

Table 1: 81-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(81; \emptyset)$	1
2	$\mathcal{O}(41; \emptyset)$	4835703278458516698824703
2	$\mathcal{O}(40; \{2^4\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^8\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{12}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{16}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{20}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{24}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{28}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{32}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{36}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{40}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{44}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{48}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{52}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{56}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{60}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{64}\})$	112589906842624
2	$\mathcal{O}(24; \{2^{68}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{72}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{76}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{80}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{84}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{88}\})$	274877906944
2	$\mathcal{O}(18; \{2^{92}\})$	68719476736
2	$\mathcal{O}(17; \{2^{96}\})$	17179869184
2	$\mathcal{O}(16; \{2^{100}\})$	4294967296
2	$\mathcal{O}(15; \{2^{104}\})$	1073741824
2	$\mathcal{O}(14; \{2^{108}\})$	268435456
2	$\mathcal{O}(13; \{2^{112}\})$	67108864
2	$\mathcal{O}(12; \{2^{116}\})$	16777216
2	$\mathcal{O}(11; \{2^{120}\})$	4194304
2	$\mathcal{O}(10; \{2^{124}\})$	1048576
2	$\mathcal{O}(9; \{2^{128}\})$	262144
2	$\mathcal{O}(8; \{2^{132}\})$	65536
2	$\mathcal{O}(7; \{2^{136}\})$	16384
2	$\mathcal{O}(6; \{2^{140}\})$	4096
2	$\mathcal{O}(5; \{2^{144}\})$	1024
2	$\mathcal{O}(4; \{2^{148}\})$	256
2	$\mathcal{O}(3; \{2^{152}\})$	64
2	$\mathcal{O}(2; \{2^{156}\})$	16
2	$\mathcal{O}(1; \{2^{160}\})$	4

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(0; \{2^{164}\})$	1
3	$\mathcal{O}(27; \{3^2\})$	116299474006080119380780338
3	$\mathcal{O}(26; \{3^5\})$	64610818892266732989322410
3	$\mathcal{O}(25; \{3^8\})$	61739226941499322634241414
3	$\mathcal{O}(24; \{3^{11}\})$	54400714178427051726812202
3	$\mathcal{O}(23; \{3^{14}\})$	48409368009541960985964198
3	$\mathcal{O}(22; \{3^{17}\})$	43024640716401974764570890
3	$\mathcal{O}(21; \{3^{20}\})$	38244781595180988864884934
3	$\mathcal{O}(20; \{3^{23}\})$	33995288471945902427213802
3	$\mathcal{O}(19; \{3^{26}\})$	30218042302395552639920358
3	$\mathcal{O}(18; \{3^{29}\})$	26860481146006012786823370
3	$\mathcal{O}(17; \{3^{32}\})$	23875983340957323786286854
3	$\mathcal{O}(16; \{3^{35}\})$	21223096291955055565810602
3	$\mathcal{O}(15; \{3^{38}\})$	18864974482973173962177318
3	$\mathcal{O}(14; \{3^{41}\})$	16768866206950004989427850
3	$\mathcal{O}(13; \{3^{44}\})$	14905658850637477852239174
3	$\mathcal{O}(12; \{3^{47}\})$	13249474533898285735882602
3	$\mathcal{O}(11; \{3^{50}\})$	11777310696798664496031078
3	$\mathcal{O}(10; \{3^{53}\})$	10468720619376569742432330
3	$\mathcal{O}(9; \{3^{56}\})$	9305529439445842095573894
3	$\mathcal{O}(8; \{3^{59}\})$	8271581723951859382229802
3	$\mathcal{O}(7; \{3^{62}\})$	7352517087957208368457638
3	$\mathcal{O}(6; \{3^{65}\})$	6535570744850851879884810
3	$\mathcal{O}(5; \{3^{68}\})$	5809396217645201671363014
3	$\mathcal{O}(4; \{3^{71}\})$	5163907749017957041172202
3	$\mathcal{O}(3; \{3^{74}\})$	4590140221349295147712998
3	$\mathcal{O}(2; \{3^{77}\})$	4080124641199373464633290
3	$\mathcal{O}(1; \{3^{80}\})$	3626777458843887524118534
3	$\mathcal{O}(0; \{3^{83}\})$	3223802185639011132549802
4	$\mathcal{O}(21; \emptyset)$	19342813113829668748787712
4	$\mathcal{O}(20; \{2^4\})$	1208925819613529663078400
4	$\mathcal{O}(20; \{2, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^8\})$	75557863725639445512192
4	$\mathcal{O}(19; \{2^5, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^2, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^{12}\})$	4722366482800925736960
4	$\mathcal{O}(18; \{2^9, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^6, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^3, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{4^8\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^{16}\})$	295147905162172956672
4	$\mathcal{O}(17; \{2^{13}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{10}, 4^4\})$	2361183241434822606848

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(17; \{2^7, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^4, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2^{20}\})$	18446744069414584320
4	$\mathcal{O}(16; \{2^{17}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{14}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{11}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^8, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^5, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^2, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^{24}\})$	1152921503533105152
4	$\mathcal{O}(15; \{2^{21}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{18}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{15}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{12}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^9, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^6, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^3, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^{28}\})$	72057593769492480
4	$\mathcal{O}(14; \{2^{25}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{22}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{19}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{16}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{13}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{10}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^7, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^4, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^{32}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^{29}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{26}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{23}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{20}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{17}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{14}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{11}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^8, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^5, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^2, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2^{36}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{33}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{30}, 4^4\})$	2251799813685248

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(12; \{2^{27}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{24}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{21}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{18}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{15}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{12}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^9, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^6, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^3, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^{40}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{37}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{34}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{31}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{28}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{25}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{22}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{19}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{16}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{13}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{10}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^7, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^4, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^{44}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{41}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{38}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{35}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{32}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{29}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{26}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{23}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{20}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{17}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{14}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{11}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^8, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^5, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^2, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^{48}\})$	68719214592
4	$\mathcal{O}(9; \{2^{45}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{42}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{39}, 4^6\})$	2199023255552

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(9; \{2^{36}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{33}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{30}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{27}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{24}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{21}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{18}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{15}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{12}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^9, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^6, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^3, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{4^{32}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^{52}\})$	4294901760
4	$\mathcal{O}(8; \{2^{49}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{46}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{43}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{40}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{37}, 4^{10}\})$	2190023255552
4	$\mathcal{O}(8; \{2^{34}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{31}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{28}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{25}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{22}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{19}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{16}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{13}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{10}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^7, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^4, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^{56}\})$	268419072
4	$\mathcal{O}(7; \{2^{53}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{50}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{47}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{44}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{41}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{38}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{35}, 4^{14}\})$	2190023255552
4	$\mathcal{O}(7; \{2^{32}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{29}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{26}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{23}, 4^{22}\})$	562949953421312

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^{20}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{17}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{14}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{11}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^8, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^5, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^2, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^{60}\})$	16773120
4	$\mathcal{O}(6; \{2^{57}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{54}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{51}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{48}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{45}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{42}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{39}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{36}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{33}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{30}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{27}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{24}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{21}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{18}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{15}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{12}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^9, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^6, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^3, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{4^{40}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^{64}\})$	1047552
4	$\mathcal{O}(5; \{2^{61}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{58}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{55}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{52}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{49}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{46}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{43}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{40}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{37}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{34}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{31}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{28}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{25}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{22}, 4^{28}\})$	140737488355328

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{19}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{16}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{13}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{10}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^7, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^4, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^{68}\})$	65280
4	$\mathcal{O}(4; \{2^{65}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{62}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{59}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{56}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{53}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{50}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{47}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{44}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{41}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{38}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{35}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{32}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{29}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{26}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{23}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{20}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{17}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{14}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{11}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^8, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^5, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^2, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(3; \{2^{72}\})$	4032
4	$\mathcal{O}(3; \{2^{69}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{66}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{63}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{60}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{57}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{54}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{51}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{48}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{45}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{42}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{39}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{36}, 4^{24}\})$	34359738368

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{33}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{30}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{27}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{24}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{21}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{18}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{15}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{12}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^9, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^6, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^3, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{4^{48}\})$	576460752303423488
4	$\mathcal{O}(2; \{2^{76}\})$	240
4	$\mathcal{O}(2; \{2^{73}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{70}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{67}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{64}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{61}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{58}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{55}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{52}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{49}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{46}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{43}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{40}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{37}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{34}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{31}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{28}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{25}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{22}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{19}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{16}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{13}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{10}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^7, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^4, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^{80}\})$	12
4	$\mathcal{O}(1; \{2^{77}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{74}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{71}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{68}, 4^8\})$	2048

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{65}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{62}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{59}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{56}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{53}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{50}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{47}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{44}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{41}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{38}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{35}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{32}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{29}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{26}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{23}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{20}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{17}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{14}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{11}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^8, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^5, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^2, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^{81}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{78}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{75}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{72}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{69}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{66}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{63}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{60}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{57}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{54}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{51}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{48}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{45}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{42}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{39}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{36}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{33}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{30}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{27}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{24}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{21}, 4^{42}\})$	2199023255552

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{18}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{15}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{12}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^9, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^6, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^3, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{4^{56}\})$	36028797018963968
5	$\mathcal{O}(17; \emptyset)$	582076609134674072265624
5	$\mathcal{O}(15; \{5^5\})$	189989805221557617187500
5	$\mathcal{O}(13; \{5^{10}\})$	312501192092895507812500
5	$\mathcal{O}(11; \{5^{15}\})$	511999998092651367187500
5	$\mathcal{O}(9; \{5^{20}\})$	838860800003051757812500
5	$\mathcal{O}(7; \{5^{25}\})$	1374389534719995117187500
5	$\mathcal{O}(5; \{5^{30}\})$	2251799813685248007812500
5	$\mathcal{O}(3; \{5^{35}\})$	3689348814741910323187500
5	$\mathcal{O}(1; \{5^{40}\})$	6044629098073145873530900
6	$\mathcal{O}(13; \{3^4\})$	1023490353826274279562
6	$\mathcal{O}(13; \{2, 3^2, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^2, 6^2\})$	341163456359156416512
6	$\mathcal{O}(12; \{2^4, 3^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{3^7\})$	199012004347467377430
6	$\mathcal{O}(12; \{2^5, 3^2, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2, 3^5, 6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^6, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^2, 3^3, 6^2\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^3, 3, 6^3\})$	28430288029929701376
6	$\mathcal{O}(12; \{3^2, 6^4\})$	104244389443075571712
6	$\mathcal{O}(12; \{2, 6^5\})$	47383813383216168960
6	$\mathcal{O}(11; \{2^8, 3^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^4, 3^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{3^{10}\})$	45014611981732974234
6	$\mathcal{O}(11; \{2^9, 3^2, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^5, 3^5, 6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2, 3^8, 6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^{10}, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^6, 3^3, 6^2\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^2, 3^6, 6^2\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^7, 3, 6^3\})$	789730223053602816
6	$\mathcal{O}(11; \{2^3, 3^4, 6^3\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^4, 3^2, 6^4\})$	2895677484529876992
6	$\mathcal{O}(11; \{3^5, 6^4\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^5, 6^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2, 3^3, 6^5\})$	11319466530434973696

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(11; \{2^2, 3, 6^6\})$	5528111561375219712
6	$\mathcal{O}(11; \{6^8\})$	11319466530434973696
6	$\mathcal{O}(10; \{2^{12}, 3^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^8, 3^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^4, 3^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^{13}\})$	9981303022450509750
6	$\mathcal{O}(10; \{2^{13}, 3^2, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^9, 3^5, 6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^5, 3^8, 6\})$	621546934810705920
6	$\mathcal{O}(10; \{2, 3^{11}, 6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{14}, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{10}, 3^3, 6^2\})$	36561584400629760
6	$\mathcal{O}(10; \{2^6, 3^6, 6^2\})$	314429625845415936
6	$\mathcal{O}(10; \{2^2, 3^9, 6^2\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^{11}, 3, 6^3\})$	21936950640377856
6	$\mathcal{O}(10; \{2^7, 3^4, 6^3\})$	153558654482644992
6	$\mathcal{O}(10; \{2^3, 3^7, 6^3\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^8, 3^2, 6^4\})$	80435485681385472
6	$\mathcal{O}(10; \{2^4, 3^5, 6^4\})$	621546934810705920
6	$\mathcal{O}(10; \{3^8, 6^4\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^9, 6^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^5, 3^3, 6^5\})$	314429625845415936
6	$\mathcal{O}(10; \{2, 3^6, 6^5\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^6, 3, 6^6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^2, 3^4, 6^6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 3^2, 6^7\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 6^8\})$	314429625845415936
6	$\mathcal{O}(10; \{3^3, 6^8\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3, 6^9\})$	1250406186501537792
6	$\mathcal{O}(9; \{2^{16}, 3^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{12}, 3^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^8, 3^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{3^{16}\})$	2218670349790213242
6	$\mathcal{O}(9; \{2^{17}, 3^2, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{13}, 3^5, 6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^9, 3^8, 6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^5, 3^{11}, 6\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^{14}, 6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{18}, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{14}, 3^3, 6^2\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{10}, 3^6, 6^2\})$	8734156273483776
6	$\mathcal{O}(9; \{2^6, 3^9, 6^2\})$	69263890447859712

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^2, 3^{12}, 6^2\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{15}, 3, 6^3\})$	609359740010496
6	$\mathcal{O}(9; \{2^{11}, 3^4, 6^3\})$	4265518180073472
6	$\mathcal{O}(9; \{2^7, 3^7, 6^3\})$	34733505180598272
6	$\mathcal{O}(9; \{2^3, 3^{10}, 6^3\})$	277258681704775680
6	$\mathcal{O}(9; \{2^{12}, 3^2, 6^4\})$	2234319046705152
6	$\mathcal{O}(9; \{2^8, 3^5, 6^4\})$	17265192633630720
6	$\mathcal{O}(9; \{2^4, 3^8, 6^4\})$	138730900809056256
6	$\mathcal{O}(9; \{3^{11}, 6^4\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{13}, 6^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^9, 3^3, 6^5\})$	8734156273483776
6	$\mathcal{O}(9; \{2^5, 3^6, 6^5\})$	69263890447859712
6	$\mathcal{O}(9; \{2, 3^9, 6^5\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{10}, 3, 6^6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^6, 3^4, 6^6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^2, 3^7, 6^6\})$	277258681704775680
6	$\mathcal{O}(9; \{2^7, 3^2, 6^7\})$	17265192633630720
6	$\mathcal{O}(9; \{2^3, 3^5, 6^7\})$	138730900809056256
6	$\mathcal{O}(9; \{2^8, 6^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^4, 3^3, 6^8\})$	69263890447859712
6	$\mathcal{O}(9; \{3^6, 6^8\})$	554720483322888192
6	$\mathcal{O}(9; \{2^5, 3, 6^9\})$	34733505180598272
6	$\mathcal{O}(9; \{2, 3^4, 6^9\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^2, 6^{10}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 6^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{3, 6^{12}\})$	277258681704775680
6	$\mathcal{O}(8; \{2^{20}, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{16}, 3^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{12}, 3^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^{16}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^{19}\})$	493015286715770070
6	$\mathcal{O}(8; \{2^{21}, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{17}, 3^5, 6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{13}, 3^8, 6\})$	479588684267520
6	$\mathcal{O}(8; \{2^9, 3^{11}, 6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^{14}, 6\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^{17}, 6\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{22}, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{18}, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2^{14}, 3^6, 6^2\})$	242615452041216
6	$\mathcal{O}(8; \{2^{10}, 3^9, 6^2\})$	1923996956884992
6	$\mathcal{O}(8; \{2^6, 3^{12}, 6^2\})$	15408902314524672

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^2, 3^{15}, 6^2\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{19}, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(8; \{2^{15}, 3^4, 6^3\})$	118486616113152
6	$\mathcal{O}(8; \{2^{11}, 3^7, 6^3\})$	964819588349952
6	$\mathcal{O}(8; \{2^7, 3^{10}, 6^3\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^{13}, 6^3\})$	61629967038283776
6	$\mathcal{O}(8; \{2^{16}, 3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2^{12}, 3^5, 6^4\})$	479588684267520
6	$\mathcal{O}(8; \{2^8, 3^8, 6^4\})$	3853636133584896
6	$\mathcal{O}(8; \{2^4, 3^{11}, 6^4\})$	30812162409234432
6	$\mathcal{O}(8; \{3^{14}, 6^4\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{17}, 6^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{13}, 3^3, 6^5\})$	242615452041216
6	$\mathcal{O}(8; \{2^9, 3^6, 6^5\})$	1923996956884992
6	$\mathcal{O}(8; \{2^5, 3^9, 6^5\})$	15408902314524672
6	$\mathcal{O}(8; \{2, 3^{12}, 6^5\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{14}, 3, 6^6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{10}, 3^4, 6^6\})$	964819588349952
6	$\mathcal{O}(8; \{2^6, 3^7, 6^6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^2, 3^{10}, 6^6\})$	61629967038283776
6	$\mathcal{O}(8; \{2^{11}, 3^2, 6^7\})$	479588684267520
6	$\mathcal{O}(8; \{2^7, 3^5, 6^7\})$	3853636133584896
6	$\mathcal{O}(8; \{2^3, 3^8, 6^7\})$	30812162409234432
6	$\mathcal{O}(8; \{2^{12}, 6^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^8, 3^3, 6^8\})$	1923996956884992
6	$\mathcal{O}(8; \{2^4, 3^6, 6^8\})$	15408902314524672
6	$\mathcal{O}(8; \{3^9, 6^8\})$	123254291856752640
6	$\mathcal{O}(8; \{2^9, 3, 6^9\})$	964819588349952
6	$\mathcal{O}(8; \{2^5, 3^4, 6^9\})$	7701630047354880
6	$\mathcal{O}(8; \{2, 3^7, 6^9\})$	61629967038283776
6	$\mathcal{O}(8; \{2^6, 3^2, 6^{10}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^2, 3^5, 6^{10}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^7, 6^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^3, 3^3, 6^{11}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3, 6^{12}\})$	7701630047354880
6	$\mathcal{O}(8; \{3^4, 6^{12}\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^2, 6^{13}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 6^{14}\})$	15408902314524672
6	$\mathcal{O}(7; \{2^{24}, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{20}, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{16}, 3^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^{16}\})$	1711943528841216

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^4, 3^{19}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{22}\})$	109554407472420954
6	$\mathcal{O}(7; \{2^{25}, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{21}, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{17}, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{13}, 3^{11}, 6\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^{14}, 6\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^{17}, 6\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{20}, 6\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{26}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{22}, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^{18}, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^{14}, 3^9, 6^2\})$	53444359913472
6	$\mathcal{O}(7; \{2^{10}, 3^{12}, 6^2\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^{15}, 6^2\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^{18}, 6^2\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{23}, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^{19}, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2^{15}, 3^7, 6^3\})$	26800544120832
6	$\mathcal{O}(7; \{2^{11}, 3^{10}, 6^3\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^{13}, 6^3\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^{16}, 6^3\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{20}, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^{16}, 3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^{12}, 3^8, 6^4\})$	107045448155136
6	$\mathcal{O}(7; \{2^8, 3^{11}, 6^4\})$	855893400256512
6	$\mathcal{O}(7; \{2^4, 3^{14}, 6^4\})$	6847617387036672
6	$\mathcal{O}(7; \{3^{17}, 6^4\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{21}, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{17}, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^{13}, 3^6, 6^5\})$	53444359913472
6	$\mathcal{O}(7; \{2^9, 3^9, 6^5\})$	428025064292352
6	$\mathcal{O}(7; \{2^5, 3^{12}, 6^5\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^{15}, 6^5\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{18}, 3, 6^6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{14}, 3^4, 6^6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{10}, 3^7, 6^6\})$	213934167982080
6	$\mathcal{O}(7; \{2^6, 3^{10}, 6^6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^{13}, 6^6\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{15}, 3^2, 6^7\})$	13321907896320
6	$\mathcal{O}(7; \{2^{11}, 3^5, 6^7\})$	107045448155136
6	$\mathcal{O}(7; \{2^7, 3^8, 6^7\})$	855893400256512
6	$\mathcal{O}(7; \{2^3, 3^{11}, 6^7\})$	6847617387036672

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{16}, 6^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{12}, 3^3, 6^8\})$	53444359913472
6	$\mathcal{O}(7; \{2^8, 3^6, 6^8\})$	428025064292352
6	$\mathcal{O}(7; \{2^4, 3^9, 6^8\})$	3423730329354240
6	$\mathcal{O}(7; \{3^{12}, 6^8\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{13}, 3, 6^9\})$	26800544120832
6	$\mathcal{O}(7; \{2^9, 3^4, 6^9\})$	213934167982080
6	$\mathcal{O}(7; \{2^5, 3^7, 6^9\})$	1711943528841216
6	$\mathcal{O}(7; \{2, 3^{10}, 6^9\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{10}, 3^2, 6^{10}\})$	107045448155136
6	$\mathcal{O}(7; \{2^6, 3^5, 6^{10}\})$	855893400256512
6	$\mathcal{O}(7; \{2^2, 3^8, 6^{10}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^{11}, 6^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^7, 3^3, 6^{11}\})$	428025064292352
6	$\mathcal{O}(7; \{2^3, 3^6, 6^{11}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^8, 3, 6^{12}\})$	213934167982080
6	$\mathcal{O}(7; \{2^4, 3^4, 6^{12}\})$	1711943528841216
6	$\mathcal{O}(7; \{3^7, 6^{12}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^5, 3^2, 6^{13}\})$	855893400256512
6	$\mathcal{O}(7; \{2, 3^5, 6^{13}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^6, 6^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^2, 3^3, 6^{14}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3, 6^{15}\})$	1711943528841216
6	$\mathcal{O}(7; \{3^2, 6^{16}\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 6^{17}\})$	3423730329354240
6	$\mathcal{O}(6; \{2^{28}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{24}, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{20}, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{22}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{25}\})$	24340952772904950
6	$\mathcal{O}(6; \{2^{29}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{25}, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^{21}, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{17}, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^{14}, 6\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^{17}, 6\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{20}, 6\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{23}, 6\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{30}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{26}, 3^3, 6^2\})$	21767823360

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{22}, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^{18}, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^{14}, 3^{12}, 6^2\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^{15}, 6^2\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^{18}, 6^2\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{21}, 6^2\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{27}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^{23}, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^{19}, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^{15}, 3^{10}, 6^3\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^{13}, 6^3\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^{16}, 6^3\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^{19}, 6^3\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{24}, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^{20}, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^{16}, 3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^{12}, 3^{11}, 6^4\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^{14}, 6^4\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^{17}, 6^4\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{20}, 6^4\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{25}, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{21}, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^{17}, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^{13}, 3^9, 6^5\})$	11889585119232
6	$\mathcal{O}(6; \{2^9, 3^{12}, 6^5\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^{15}, 6^5\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^{18}, 6^5\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{22}, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^{18}, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2^{14}, 3^7, 6^6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{10}, 3^{10}, 6^6\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^{13}, 6^6\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^{16}, 6^6\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{19}, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^{15}, 3^5, 6^7\})$	2973484670976
6	$\mathcal{O}(6; \{2^{11}, 3^8, 6^7\})$	23774816673792
6	$\mathcal{O}(6; \{2^7, 3^{11}, 6^7\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^{14}, 6^7\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{20}, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{16}, 3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2^{12}, 3^6, 6^8\})$	11889585119232
6	$\mathcal{O}(6; \{2^8, 3^9, 6^8\})$	95103620259840
6	$\mathcal{O}(6; \{2^4, 3^{12}, 6^8\})$	760842022772736

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{3^{15}, 6^8\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{17}, 3, 6^9\})$	744459558912
6	$\mathcal{O}(6; \{2^{13}, 3^4, 6^9\})$	5942615777280
6	$\mathcal{O}(6; \{2^9, 3^7, 6^9\})$	47553986912256
6	$\mathcal{O}(6; \{2^5, 3^{10}, 6^9\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^{13}, 6^9\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{14}, 3^2, 6^{10}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{10}, 3^5, 6^{10}\})$	23774816673792
6	$\mathcal{O}(6; \{2^6, 3^8, 6^{10}\})$	190211594084352
6	$\mathcal{O}(6; \{2^2, 3^{11}, 6^{10}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{15}, 6^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{11}, 3^3, 6^{11}\})$	11889585119232
6	$\mathcal{O}(6; \{2^7, 3^6, 6^{11}\})$	95103620259840
6	$\mathcal{O}(6; \{2^3, 3^9, 6^{11}\})$	760842022772736
6	$\mathcal{O}(6; \{2^{12}, 3, 6^{12}\})$	5942615777280
6	$\mathcal{O}(6; \{2^8, 3^4, 6^{12}\})$	47553986912256
6	$\mathcal{O}(6; \{2^4, 3^7, 6^{12}\})$	380418834604032
6	$\mathcal{O}(6; \{3^{10}, 6^{12}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^9, 3^2, 6^{13}\})$	23774816673792
6	$\mathcal{O}(6; \{2^5, 3^5, 6^{13}\})$	190211594084352
6	$\mathcal{O}(6; \{2, 3^8, 6^{13}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{10}, 6^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^6, 3^3, 6^{14}\})$	95103620259840
6	$\mathcal{O}(6; \{2^2, 3^6, 6^{14}\})$	760842022772736
6	$\mathcal{O}(6; \{2^7, 3, 6^{15}\})$	47553986912256
6	$\mathcal{O}(6; \{2^3, 3^4, 6^{15}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^2, 6^{16}\})$	190211594084352
6	$\mathcal{O}(6; \{3^5, 6^{16}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^5, 6^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2, 3^3, 6^{17}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3, 6^{18}\})$	380418834604032
6	$\mathcal{O}(6; \{6^{20}\})$	760842022772736
6	$\mathcal{O}(5; \{2^{32}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{28}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{24}, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{25}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{28}\})$	5405138267569722
6	$\mathcal{O}(5; \{2^{33}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{29}, 3^5, 6\})$	1330255872

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{25}, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{21}, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^{17}, 6\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{20}, 6\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{23}, 6\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{26}, 6\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{34}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{30}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{26}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^{22}, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^{18}, 3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^{15}, 6^2\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^{18}, 6^2\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{21}, 6^2\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{24}, 6^2\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{31}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^{27}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^{23}, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^{19}, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^{13}, 6^3\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^{16}, 6^3\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^{19}, 6^3\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{22}, 6^3\})$	676302689986560
6	$\mathcal{O}(5; \{2^{28}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^{24}, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^{20}, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^{14}, 6^4\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^{17}, 6^4\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{20}, 6^4\})$	338151405459456
6	$\mathcal{O}(5; \{3^{23}, 6^4\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{29}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^{25}, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^{21}, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^{17}, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3^{12}, 6^5\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^{15}, 6^5\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^{18}, 6^5\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{21}, 6^5\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{26}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^{22}, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^{18}, 3^7, 6^6\})$	165072660480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{14}, 3^{10}, 6^6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^{13}, 6^6\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^{16}, 6^6\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^{19}, 6^6\})$	676302689986560
6	$\mathcal{O}(5; \{2^{23}, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^{19}, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^{15}, 3^8, 6^7\})$	660411574272
6	$\mathcal{O}(5; \{2^{11}, 3^{11}, 6^7\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^{14}, 6^7\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^{17}, 6^7\})$	338151405459456
6	$\mathcal{O}(5; \{2^{24}, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{20}, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^{16}, 3^6, 6^8\})$	330266253312
6	$\mathcal{O}(5; \{2^{12}, 3^9, 6^8\})$	2641767229440
6	$\mathcal{O}(5; \{2^8, 3^{12}, 6^8\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^{15}, 6^8\})$	169075642263552
6	$\mathcal{O}(5; \{3^{18}, 6^8\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{21}, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2^{17}, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^{13}, 3^7, 6^9\})$	1320944080896
6	$\mathcal{O}(5; \{2^9, 3^{10}, 6^9\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^{13}, 6^9\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^{16}, 6^9\})$	676302689986560
6	$\mathcal{O}(5; \{2^{18}, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2^{14}, 3^5, 6^{10}\})$	660411574272
6	$\mathcal{O}(5; \{2^{10}, 3^8, 6^{10}\})$	5283655391232
6	$\mathcal{O}(5; \{2^6, 3^{11}, 6^{10}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^{14}, 6^{10}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{19}, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{15}, 3^3, 6^{11}\})$	330266253312
6	$\mathcal{O}(5; \{2^{11}, 3^6, 6^{11}\})$	2641767229440
6	$\mathcal{O}(5; \{2^7, 3^9, 6^{11}\})$	21134500632576
6	$\mathcal{O}(5; \{2^3, 3^{12}, 6^{11}\})$	169075642263552
6	$\mathcal{O}(5; \{2^{16}, 3, 6^{12}\})$	165072660480
6	$\mathcal{O}(5; \{2^{12}, 3^4, 6^{12}\})$	1320944080896
6	$\mathcal{O}(5; \{2^8, 3^7, 6^{12}\})$	10567189850112
6	$\mathcal{O}(5; \{2^4, 3^{10}, 6^{12}\})$	84537881597952
6	$\mathcal{O}(5; \{3^{13}, 6^{12}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{13}, 3^2, 6^{13}\})$	660411574272
6	$\mathcal{O}(5; \{2^9, 3^5, 6^{13}\})$	5283655391232
6	$\mathcal{O}(5; \{2^5, 3^8, 6^{13}\})$	42268880332800
6	$\mathcal{O}(5; \{2, 3^{11}, 6^{13}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{14}, 6^{14}\})$	330266253312

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{10}, 3^3, 6^{14}\})$	2641767229440
6	$\mathcal{O}(5; \{2^6, 3^6, 6^{14}\})$	21134500632576
6	$\mathcal{O}(5; \{2^2, 3^9, 6^{14}\})$	169075642263552
6	$\mathcal{O}(5; \{2^{11}, 3, 6^{15}\})$	1320944080896
6	$\mathcal{O}(5; \{2^7, 3^4, 6^{15}\})$	10567189850112
6	$\mathcal{O}(5; \{2^3, 3^7, 6^{15}\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 3^2, 6^{16}\})$	5283655391232
6	$\mathcal{O}(5; \{2^4, 3^5, 6^{16}\})$	42268880332800
6	$\mathcal{O}(5; \{3^8, 6^{16}\})$	338151405459456
6	$\mathcal{O}(5; \{2^9, 6^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^5, 3^3, 6^{17}\})$	21134500632576
6	$\mathcal{O}(5; \{2, 3^6, 6^{17}\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3, 6^{18}\})$	10567189850112
6	$\mathcal{O}(5; \{2^2, 3^4, 6^{18}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^2, 6^{19}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 6^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{3^3, 6^{20}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3, 6^{21}\})$	84537881597952
6	$\mathcal{O}(4; \{2^{36}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{32}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{28}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{28}\})$	150289496741376
6	$\mathcal{O}(4; \{3^{31}\})$	1197619417119510
6	$\mathcal{O}(4; \{2^{37}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{33}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{29}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{25}, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{20}, 6\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{23}, 6\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{26}, 6\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{29}, 6\})$	601157983606272
6	$\mathcal{O}(4; \{2^{38}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{34}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{30}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{26}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^{22}, 3^{12}, 6^2\})$	9174062592

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{18}, 3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^{18}, 6^2\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{21}, 6^2\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{24}, 6^2\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{27}, 6^2\})$	300578990123520
6	$\mathcal{O}(4; \{2^{35}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{31}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{27}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^{23}, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^{16}, 6^3\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^{19}, 6^3\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{22}, 6^3\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{25}, 6^3\})$	150289496741376
6	$\mathcal{O}(4; \{2^{32}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{28}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^{24}, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^{20}, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^{17}, 6^4\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{20}, 6^4\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{23}, 6^4\})$	75144746691072
6	$\mathcal{O}(4; \{3^{26}, 6^4\})$	601157983606272
6	$\mathcal{O}(4; \{2^{33}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{29}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^{25}, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^{21}, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{17}, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^{15}, 6^5\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^{18}, 6^5\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{21}, 6^5\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{24}, 6^5\})$	300578990123520
6	$\mathcal{O}(4; \{2^{30}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{26}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^{22}, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^{18}, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^{13}, 6^6\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^{16}, 6^6\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^{19}, 6^6\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{22}, 6^6\})$	150289496741376
6	$\mathcal{O}(4; \{2^{27}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^{23}, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^{19}, 3^8, 6^7\})$	18344765952

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{15}, 3^{11}, 6^7\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^{14}, 6^7\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^{17}, 6^7\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{20}, 6^7\})$	75144746691072
6	$\mathcal{O}(4; \{2^{28}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^{24}, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^{20}, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^{16}, 3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^{12}, 3^{12}, 6^8\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^{15}, 6^8\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^{18}, 6^8\})$	37572375025152
6	$\mathcal{O}(4; \{3^{21}, 6^8\})$	300578990123520
6	$\mathcal{O}(4; \{2^{25}, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^{21}, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^{17}, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^{13}, 3^{10}, 6^9\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^{13}, 6^9\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^{16}, 6^9\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^{19}, 6^9\})$	150289496741376
6	$\mathcal{O}(4; \{2^{22}, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^{18}, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^{14}, 3^8, 6^{10}\})$	146768205312
6	$\mathcal{O}(4; \{2^{10}, 3^{11}, 6^{10}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^{14}, 6^{10}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^{17}, 6^{10}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{23}, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{19}, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^{15}, 3^6, 6^{11}\})$	73382423040
6	$\mathcal{O}(4; \{2^{11}, 3^9, 6^{11}\})$	587069462016
6	$\mathcal{O}(4; \{2^7, 3^{12}, 6^{11}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^{15}, 6^{11}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{20}, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{2^{16}, 3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2^{12}, 3^7, 6^{12}\})$	293533051392
6	$\mathcal{O}(4; \{2^8, 3^{10}, 6^{12}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^{13}, 6^{12}\})$	18786185832960
6	$\mathcal{O}(4; \{3^{16}, 6^{12}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{17}, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^{13}, 3^5, 6^{13}\})$	146768205312
6	$\mathcal{O}(4; \{2^9, 3^8, 6^{13}\})$	1174135564800
6	$\mathcal{O}(4; \{2^5, 3^{11}, 6^{13}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^{14}, 6^{13}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{18}, 6^{14}\})$	9174062592

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{14}, 3^3, 6^{14}\})$	73382423040
6	$\mathcal{O}(4; \{2^{10}, 3^6, 6^{14}\})$	587069462016
6	$\mathcal{O}(4; \{2^6, 3^9, 6^{14}\})$	4696545618432
6	$\mathcal{O}(4; \{2^2, 3^{12}, 6^{14}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{15}, 3, 6^{15}\})$	36692891136
6	$\mathcal{O}(4; \{2^{11}, 3^4, 6^{15}\})$	293533051392
6	$\mathcal{O}(4; \{2^7, 3^7, 6^{15}\})$	2348274488832
6	$\mathcal{O}(4; \{2^3, 3^{10}, 6^{15}\})$	18786185832960
6	$\mathcal{O}(4; \{2^{12}, 3^2, 6^{16}\})$	146768205312
6	$\mathcal{O}(4; \{2^8, 3^5, 6^{16}\})$	1174135564800
6	$\mathcal{O}(4; \{2^4, 3^8, 6^{16}\})$	9393094596096
6	$\mathcal{O}(4; \{3^{11}, 6^{16}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{13}, 6^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^9, 3^3, 6^{17}\})$	587069462016
6	$\mathcal{O}(4; \{2^5, 3^6, 6^{17}\})$	4696545618432
6	$\mathcal{O}(4; \{2, 3^9, 6^{17}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{10}, 3, 6^{18}\})$	293533051392
6	$\mathcal{O}(4; \{2^6, 3^4, 6^{18}\})$	2348274488832
6	$\mathcal{O}(4; \{2^2, 3^7, 6^{18}\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^2, 6^{19}\})$	1174135564800
6	$\mathcal{O}(4; \{2^3, 3^5, 6^{19}\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 6^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^4, 3^3, 6^{20}\})$	4696545618432
6	$\mathcal{O}(4; \{3^6, 6^{20}\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3, 6^{21}\})$	2348274488832
6	$\mathcal{O}(4; \{2, 3^4, 6^{21}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^2, 6^{22}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 6^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{3, 6^{24}\})$	18786185832960
6	$\mathcal{O}(3; \{2^{40}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{36}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{32}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{28}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{31}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{34}\})$	263006617368474
6	$\mathcal{O}(3; \{2^{41}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{37}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{33}, 3^8, 6\})$	7931520

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{29}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{23}, 6\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{26}, 6\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{29}, 6\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{32}, 6\})$	133590662743680
6	$\mathcal{O}(3; \{2^{42}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{38}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{34}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{30}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{26}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^{21}, 6^2\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{24}, 6^2\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{27}, 6^2\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{30}, 6^2\})$	66795331418496
6	$\mathcal{O}(3; \{2^{39}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{35}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{31}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{27}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^{19}, 6^3\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{22}, 6^3\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{25}, 6^3\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{28}, 6^3\})$	33397665662592
6	$\mathcal{O}(3; \{2^{36}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{32}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{28}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^{24}, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{20}, 6^4\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{23}, 6^4\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{26}, 6^4\})$	16698832877952
6	$\mathcal{O}(3; \{3^{29}, 6^4\})$	133590662743680
6	$\mathcal{O}(3; \{2^{37}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{33}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{29}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^{25}, 3^9, 6^5\})$	254835072

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{21}, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^{18}, 6^5\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{21}, 6^5\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{24}, 6^5\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{27}, 6^5\})$	66795331418496
6	$\mathcal{O}(3; \{2^{34}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{30}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{26}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^{22}, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^{16}, 6^6\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^{19}, 6^6\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{22}, 6^6\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{25}, 6^6\})$	33397665662592
6	$\mathcal{O}(3; \{2^{31}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{27}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^{23}, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^{14}, 6^7\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^{17}, 6^7\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{20}, 6^7\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{23}, 6^7\})$	16698832877952
6	$\mathcal{O}(3; \{2^{32}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{28}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^{24}, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^{20}, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^{15}, 6^8\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^{18}, 6^8\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^{21}, 6^8\})$	8349416392320
6	$\mathcal{O}(3; \{3^{24}, 6^8\})$	66795331418496
6	$\mathcal{O}(3; \{2^{29}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^{25}, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^{21}, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^{17}, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^{13}, 6^9\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^{16}, 6^9\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^{19}, 6^9\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{22}, 6^9\})$	33397665662592
6	$\mathcal{O}(3; \{2^{26}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^{22}, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^{18}, 3^8, 6^{10}\})$	4076894592

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 3^{11}, 6^{10}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^{14}, 6^{10}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^{17}, 6^{10}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^{20}, 6^{10}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{27}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{23}, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^{19}, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 3^9, 6^{11}\})$	16307485056
6	$\mathcal{O}(3; \{2^{11}, 3^{12}, 6^{11}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^{15}, 6^{11}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^{18}, 6^{11}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{24}, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^{20}, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^{16}, 3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^{12}, 3^{10}, 6^{12}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^{13}, 6^{12}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^{16}, 6^{12}\})$	4174708242816
6	$\mathcal{O}(3; \{3^{19}, 6^{12}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{21}, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^{17}, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^{13}, 3^8, 6^{13}\})$	32614876800
6	$\mathcal{O}(3; \{2^9, 3^{11}, 6^{13}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^{14}, 6^{13}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^{17}, 6^{13}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{22}, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{18}, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2^{14}, 3^6, 6^{14}\})$	16307485056
6	$\mathcal{O}(3; \{2^{10}, 3^9, 6^{14}\})$	130459600512
6	$\mathcal{O}(3; \{2^6, 3^{12}, 6^{14}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^{15}, 6^{14}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{19}, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{2^{15}, 3^4, 6^{15}\})$	8153695872
6	$\mathcal{O}(3; \{2^{11}, 3^7, 6^{15}\})$	65229846912
6	$\mathcal{O}(3; \{2^7, 3^{10}, 6^{15}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^{13}, 6^{15}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{16}, 3^2, 6^{16}\})$	4076894592
6	$\mathcal{O}(3; \{2^{12}, 3^5, 6^{16}\})$	32614876800
6	$\mathcal{O}(3; \{2^8, 3^8, 6^{16}\})$	260919294336
6	$\mathcal{O}(3; \{2^4, 3^{11}, 6^{16}\})$	2087354074752
6	$\mathcal{O}(3; \{3^{14}, 6^{16}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{17}, 6^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6^{17}\})$	16307485056
6	$\mathcal{O}(3; \{2^9, 3^6, 6^{17}\})$	130459600512

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^5, 3^9, 6^{17}\})$	1043677084032
6	$\mathcal{O}(3; \{2, 3^{12}, 6^{17}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{14}, 3, 6^{18}\})$	8153695872
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^{18}\})$	65229846912
6	$\mathcal{O}(3; \{2^6, 3^7, 6^{18}\})$	521838495360
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^{18}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^{19}\})$	32614876800
6	$\mathcal{O}(3; \{2^7, 3^5, 6^{19}\})$	260919294336
6	$\mathcal{O}(3; \{2^3, 3^8, 6^{19}\})$	2087354074752
6	$\mathcal{O}(3; \{2^{12}, 6^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^8, 3^3, 6^{20}\})$	130459600512
6	$\mathcal{O}(3; \{2^4, 3^6, 6^{20}\})$	1043677084032
6	$\mathcal{O}(3; \{3^9, 6^{20}\})$	8349416392320
6	$\mathcal{O}(3; \{2^9, 3, 6^{21}\})$	65229846912
6	$\mathcal{O}(3; \{2^5, 3^4, 6^{21}\})$	521838495360
6	$\mathcal{O}(3; \{2, 3^7, 6^{21}\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^2, 6^{22}\})$	260919294336
6	$\mathcal{O}(3; \{2^2, 3^5, 6^{22}\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 6^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^3, 3^3, 6^{23}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3, 6^{24}\})$	521838495360
6	$\mathcal{O}(3; \{3^4, 6^{24}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^2, 6^{25}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 6^{26}\})$	1043677084032
6	$\mathcal{O}(2; \{2^{44}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{40}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{36}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{31}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{34}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{37}\})$	55662776155350
6	$\mathcal{O}(2; \{2^{45}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{41}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{37}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{33}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{20}, 6\})$	905968800

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{17}, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{26}, 6\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{29}, 6\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{32}, 6\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{35}, 6\})$	29686813950816
6	$\mathcal{O}(2; \{2^{46}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{42}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{38}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{34}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{30}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{24}, 6^2\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{27}, 6^2\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{30}, 6^2\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{33}, 6^2\})$	14843406974112
6	$\mathcal{O}(2; \{2^{43}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{39}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{35}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{31}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{22}, 6^3\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{25}, 6^3\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{28}, 6^3\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{31}, 6^3\})$	7421703488352
6	$\mathcal{O}(2; \{2^{40}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{36}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{32}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{28}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{20}, 6^4\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^{23}, 6^4\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{26}, 6^4\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{29}, 6^4\})$	3710851742880
6	$\mathcal{O}(2; \{3^{32}, 6^4\})$	29686813950816
6	$\mathcal{O}(2; \{2^{41}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{37}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{33}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^{29}, 3^9, 6^5\})$	7078752

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{25}, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^{21}, 6^5\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{24}, 6^5\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{27}, 6^5\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{30}, 6^5\})$	14843406974112
6	$\mathcal{O}(2; \{2^{38}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{34}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{30}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{26}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^{19}, 6^6\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{22}, 6^6\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{25}, 6^6\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{28}, 6^6\})$	7421703488352
6	$\mathcal{O}(2; \{2^{35}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{31}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{27}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^{23}, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^{17}, 6^7\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{20}, 6^7\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{23}, 6^7\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{26}, 6^7\})$	3710851742880
6	$\mathcal{O}(2; \{2^{36}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{32}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{28}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^{24}, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^{15}, 6^8\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^{18}, 6^8\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{21}, 6^8\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{24}, 6^8\})$	1855425872736
6	$\mathcal{O}(2; \{3^{27}, 6^8\})$	14843406974112
6	$\mathcal{O}(2; \{2^{33}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{29}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^{25}, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^{21}, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^{16}, 6^9\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^{19}, 6^9\})$	115964117856

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^5, 3^{22}, 6^9\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{25}, 6^9\})$	7421703488352
6	$\mathcal{O}(2; \{2^{30}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{26}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^{22}, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^{18}, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^{14}, 6^{10}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^{17}, 6^{10}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{20}, 6^{10}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{23}, 6^{10}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{31}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{27}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^{23}, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^{19}, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{15}, 3^{12}, 6^{11}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^{15}, 6^{11}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^{18}, 6^{11}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{21}, 6^{11}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{28}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^{24}, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^{20}, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^{16}, 3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^{13}, 6^{12}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^{16}, 6^{12}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^{19}, 6^{12}\})$	927712935072
6	$\mathcal{O}(2; \{3^{22}, 6^{12}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{25}, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^{21}, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^{17}, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^{11}, 6^{13}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^{14}, 6^{13}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^{17}, 6^{13}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{20}, 6^{13}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{26}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{22}, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^{18}, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 3^9, 6^{14}\})$	3623877792
6	$\mathcal{O}(2; \{2^{10}, 3^{12}, 6^{14}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^{15}, 6^{14}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^{18}, 6^{14}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{23}, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^{19}, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^{15}, 3^7, 6^{15}\})$	1811940192

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{11}, 3^{10}, 6^{15}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^{13}, 6^{15}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^{16}, 6^{15}\})$	927712935072
6	$\mathcal{O}(2; \{2^{20}, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^{16}, 3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^{12}, 3^8, 6^{16}\})$	7247758176
6	$\mathcal{O}(2; \{2^8, 3^{11}, 6^{16}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^{14}, 6^{16}\})$	463856468832
6	$\mathcal{O}(2; \{3^{17}, 6^{16}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{21}, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{17}, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^{13}, 3^6, 6^{17}\})$	3623877792
6	$\mathcal{O}(2; \{2^9, 3^9, 6^{17}\})$	28991030112
6	$\mathcal{O}(2; \{2^5, 3^{12}, 6^{17}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^{15}, 6^{17}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{18}, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{2^{14}, 3^4, 6^{18}\})$	1811940192
6	$\mathcal{O}(2; \{2^{10}, 3^7, 6^{18}\})$	14495513760
6	$\mathcal{O}(2; \{2^6, 3^{10}, 6^{18}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^{13}, 6^{18}\})$	927712935072
6	$\mathcal{O}(2; \{2^{15}, 3^2, 6^{19}\})$	905968800
6	$\mathcal{O}(2; \{2^{11}, 3^5, 6^{19}\})$	7247758176
6	$\mathcal{O}(2; \{2^7, 3^8, 6^{19}\})$	57982057632
6	$\mathcal{O}(2; \{2^3, 3^{11}, 6^{19}\})$	463856468832
6	$\mathcal{O}(2; \{2^{16}, 6^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{12}, 3^3, 6^{20}\})$	3623877792
6	$\mathcal{O}(2; \{2^8, 3^6, 6^{20}\})$	28991030112
6	$\mathcal{O}(2; \{2^4, 3^9, 6^{20}\})$	231928233120
6	$\mathcal{O}(2; \{3^{12}, 6^{20}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{13}, 3, 6^{21}\})$	1811940192
6	$\mathcal{O}(2; \{2^9, 3^4, 6^{21}\})$	14495513760
6	$\mathcal{O}(2; \{2^5, 3^7, 6^{21}\})$	115964117856
6	$\mathcal{O}(2; \{2, 3^{10}, 6^{21}\})$	927712935072
6	$\mathcal{O}(2; \{2^{10}, 3^2, 6^{22}\})$	7247758176
6	$\mathcal{O}(2; \{2^6, 3^5, 6^{22}\})$	57982057632
6	$\mathcal{O}(2; \{2^2, 3^8, 6^{22}\})$	463856468832
6	$\mathcal{O}(2; \{2^{11}, 6^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^7, 3^3, 6^{23}\})$	28991030112
6	$\mathcal{O}(2; \{2^3, 3^6, 6^{23}\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3, 6^{24}\})$	14495513760
6	$\mathcal{O}(2; \{2^4, 3^4, 6^{24}\})$	115964117856
6	$\mathcal{O}(2; \{3^7, 6^{24}\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^2, 6^{25}\})$	57982057632

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2, 3^5, 6^{25}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 6^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^2, 3^3, 6^{26}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3, 6^{27}\})$	115964117856
6	$\mathcal{O}(2; \{3^2, 6^{28}\})$	463856468832
6	$\mathcal{O}(2; \{2, 6^{29}\})$	231928233120
6	$\mathcal{O}(1; \{2^{48}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{44}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{40}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{34}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{37}\})$	1649267441640
6	$\mathcal{O}(1; \{3^{40}\})$	9895604650002
6	$\mathcal{O}(1; \{2^{49}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{45}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{41}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{37}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{29}, 6\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{32}, 6\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{35}, 6\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{38}, 6\})$	6597069766632
6	$\mathcal{O}(1; \{2^{50}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{46}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{42}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{38}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{34}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{27}, 6^2\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{30}, 6^2\})$	51539607576

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^6, 3^{33}, 6^2\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{36}, 6^2\})$	3298534883352
6	$\mathcal{O}(1; \{2^{47}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{43}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{39}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{35}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{25}, 6^3\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{28}, 6^3\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{31}, 6^3\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{34}, 6^3\})$	1649267441640
6	$\mathcal{O}(1; \{2^{44}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{40}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{36}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{32}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{26}, 6^4\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{29}, 6^4\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{32}, 6^4\})$	824633720856
6	$\mathcal{O}(1; \{3^{35}, 6^4\})$	6597069766632
6	$\mathcal{O}(1; \{2^{45}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{41}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{37}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{33}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{29}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{24}, 6^5\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{27}, 6^5\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{30}, 6^5\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{33}, 6^5\})$	3298534883352
6	$\mathcal{O}(1; \{2^{42}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{38}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{34}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{30}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^{13}, 6^6\})$	6291432

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{22}, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{22}, 6^6\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{25}, 6^6\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{28}, 6^6\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{31}, 6^6\})$	1649267441640
6	$\mathcal{O}(1; \{2^{39}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{35}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{31}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{27}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{20}, 6^7\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{23}, 6^7\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{26}, 6^7\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{29}, 6^7\})$	824633720856
6	$\mathcal{O}(1; \{2^{40}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{36}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{32}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{28}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{24}, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{21}, 6^8\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{24}, 6^8\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{27}, 6^8\})$	412316860392
6	$\mathcal{O}(1; \{3^{30}, 6^8\})$	3298534883352
6	$\mathcal{O}(1; \{2^{37}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{33}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{29}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^{25}, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^{21}, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^{19}, 6^9\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{22}, 6^9\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{25}, 6^9\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{28}, 6^9\})$	1649267441640
6	$\mathcal{O}(1; \{2^{34}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{30}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{26}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^{22}, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^{17}, 6^{10}\})$	1610612712

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 3^{20}, 6^{10}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{23}, 6^{10}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{26}, 6^{10}\})$	824633720856
6	$\mathcal{O}(1; \{2^{35}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{31}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{27}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^{23}, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{19}, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^{15}, 6^{11}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^{18}, 6^{11}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{21}, 6^{11}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{24}, 6^{11}\})$	412316860392
6	$\mathcal{O}(1; \{2^{32}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{28}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^{24}, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^{20}, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^{16}, 6^{12}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^{19}, 6^{12}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{22}, 6^{12}\})$	206158430232
6	$\mathcal{O}(1; \{3^{25}, 6^{12}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{29}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^{25}, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^{21}, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3^{11}, 6^{13}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^{14}, 6^{13}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^{17}, 6^{13}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{20}, 6^{13}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{23}, 6^{13}\})$	824633720856
6	$\mathcal{O}(1; \{2^{30}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{26}, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^{22}, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^{18}, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3^{12}, 6^{14}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^{15}, 6^{14}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^{18}, 6^{14}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{21}, 6^{14}\})$	412316860392
6	$\mathcal{O}(1; \{2^{27}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^{23}, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^{19}, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^{15}, 3^{10}, 6^{15}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^{13}, 6^{15}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^{16}, 6^{15}\})$	25769803752

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^3, 3^{19}, 6^{15}\})$	206158430232
6	$\mathcal{O}(1; \{2^{24}, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^{20}, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^{16}, 3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^{12}, 3^{11}, 6^{16}\})$	1610612712
6	$\mathcal{O}(1; \{2^8, 3^{14}, 6^{16}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^{17}, 6^{16}\})$	103079215080
6	$\mathcal{O}(1; \{3^{20}, 6^{16}\})$	824633720856
6	$\mathcal{O}(1; \{2^{25}, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{21}, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^{17}, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 3^9, 6^{17}\})$	805306392
6	$\mathcal{O}(1; \{2^9, 3^{12}, 6^{17}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^{15}, 6^{17}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^{18}, 6^{17}\})$	412316860392
6	$\mathcal{O}(1; \{2^{22}, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^{18}, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2^{14}, 3^7, 6^{18}\})$	402653160
6	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6^{18}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^{13}, 6^{18}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^{16}, 6^{18}\})$	206158430232
6	$\mathcal{O}(1; \{2^{19}, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^{15}, 3^5, 6^{19}\})$	201326616
6	$\mathcal{O}(1; \{2^{11}, 3^8, 6^{19}\})$	1610612712
6	$\mathcal{O}(1; \{2^7, 3^{11}, 6^{19}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^{14}, 6^{19}\})$	103079215080
6	$\mathcal{O}(1; \{2^{20}, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{16}, 3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2^{12}, 3^6, 6^{20}\})$	805306392
6	$\mathcal{O}(1; \{2^8, 3^9, 6^{20}\})$	6442450920
6	$\mathcal{O}(1; \{2^4, 3^{12}, 6^{20}\})$	51539607576
6	$\mathcal{O}(1; \{3^{15}, 6^{20}\})$	412316860392
6	$\mathcal{O}(1; \{2^{17}, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(1; \{2^{13}, 3^4, 6^{21}\})$	402653160
6	$\mathcal{O}(1; \{2^9, 3^7, 6^{21}\})$	3221225496
6	$\mathcal{O}(1; \{2^5, 3^{10}, 6^{21}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^{13}, 6^{21}\})$	206158430232
6	$\mathcal{O}(1; \{2^{14}, 3^2, 6^{22}\})$	201326616
6	$\mathcal{O}(1; \{2^{10}, 3^5, 6^{22}\})$	1610612712
6	$\mathcal{O}(1; \{2^6, 3^8, 6^{22}\})$	12884901912
6	$\mathcal{O}(1; \{2^2, 3^{11}, 6^{22}\})$	103079215080
6	$\mathcal{O}(1; \{2^{15}, 6^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6^{23}\})$	805306392

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^7, 3^6, 6^{23}\})$	6442450920
6	$\mathcal{O}(1; \{2^3, 3^9, 6^{23}\})$	51539607576
6	$\mathcal{O}(1; \{2^{12}, 3, 6^{24}\})$	402653160
6	$\mathcal{O}(1; \{2^8, 3^4, 6^{24}\})$	3221225496
6	$\mathcal{O}(1; \{2^4, 3^7, 6^{24}\})$	25769803752
6	$\mathcal{O}(1; \{3^{10}, 6^{24}\})$	206158430232
6	$\mathcal{O}(1; \{2^9, 3^2, 6^{25}\})$	1610612712
6	$\mathcal{O}(1; \{2^5, 3^5, 6^{25}\})$	12884901912
6	$\mathcal{O}(1; \{2, 3^8, 6^{25}\})$	103079215080
6	$\mathcal{O}(1; \{2^{10}, 6^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{26}\})$	6442450920
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{26}\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3, 6^{27}\})$	3221225496
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{27}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{28}\})$	12884901912
6	$\mathcal{O}(1; \{3^5, 6^{28}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 6^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2, 3^3, 6^{29}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3, 6^{30}\})$	25769803752
6	$\mathcal{O}(1; \{6^{32}\})$	51539607576
6	$\mathcal{O}(0; \{2^{52}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{48}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{44}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{34}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{37}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{40}\})$	366503875926
6	$\mathcal{O}(0; \{2^{53}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{49}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{45}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{41}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{29}, 6\})$	357913942

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3^{32}, 6\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{35}, 6\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{38}, 6\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{41}, 6\})$	1466015503702
6	$\mathcal{O}(0; \{2^{54}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{50}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{46}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{42}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{38}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{30}, 6^2\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{33}, 6^2\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{36}, 6^2\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{39}, 6^2\})$	733007751850
6	$\mathcal{O}(0; \{2^{51}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{47}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{43}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{39}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{28}, 6^3\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{31}, 6^3\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{34}, 6^3\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{37}, 6^3\})$	366503875926
6	$\mathcal{O}(0; \{2^{48}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{44}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{40}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{36}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{26}, 6^4\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{29}, 6^4\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{32}, 6^4\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{35}, 6^4\})$	183251937962

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{3^{38}, 6^4\})$	1466015503702
6	$\mathcal{O}(0; \{2^{49}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{45}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{41}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{37}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{33}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{24}, 6^5\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{27}, 6^5\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{30}, 6^5\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{33}, 6^5\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{36}, 6^5\})$	733007751850
6	$\mathcal{O}(0; \{2^{46}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{42}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{38}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{34}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{25}, 6^6\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{28}, 6^6\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{31}, 6^6\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{34}, 6^6\})$	366503875926
6	$\mathcal{O}(0; \{2^{43}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{39}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{35}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{31}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{23}, 6^7\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{26}, 6^7\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{29}, 6^7\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{32}, 6^7\})$	183251937962
6	$\mathcal{O}(0; \{2^{44}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{40}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{36}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{32}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{28}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^{15}, 6^8\})$	2796202

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{20}, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{24}, 6^8\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{27}, 6^8\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{30}, 6^8\})$	91625968982
6	$\mathcal{O}(0; \{3^{33}, 6^8\})$	733007751850
6	$\mathcal{O}(0; \{2^{41}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{37}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{33}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{29}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{22}, 6^9\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{25}, 6^9\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{28}, 6^9\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{31}, 6^9\})$	366503875926
6	$\mathcal{O}(0; \{2^{38}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{34}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{30}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^{26}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^{20}, 6^{10}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{23}, 6^{10}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{26}, 6^{10}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{29}, 6^{10}\})$	183251937962
6	$\mathcal{O}(0; \{2^{39}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{35}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{31}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{27}, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^{23}, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^{18}, 6^{11}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{21}, 6^{11}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{24}, 6^{11}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{27}, 6^{11}\})$	91625968982
6	$\mathcal{O}(0; \{2^{36}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{32}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{28}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^{24}, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^{16}, 6^{12}\})$	89478486

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{12}, 3^{19}, 6^{12}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{22}, 6^{12}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{25}, 6^{12}\})$	45812984490
6	$\mathcal{O}(0; \{3^{28}, 6^{12}\})$	366503875926
6	$\mathcal{O}(0; \{2^{33}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{29}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^{25}, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^{21}, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^{17}, 6^{13}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{20}, 6^{13}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{23}, 6^{13}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{26}, 6^{13}\})$	183251937962
6	$\mathcal{O}(0; \{2^{34}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{30}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{26}, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^{22}, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^{18}, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^{15}, 6^{14}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^{18}, 6^{14}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{21}, 6^{14}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{24}, 6^{14}\})$	91625968982
6	$\mathcal{O}(0; \{2^{31}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{27}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^{23}, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^{19}, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^{13}, 6^{15}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^{16}, 6^{15}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^{19}, 6^{15}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{22}, 6^{15}\})$	45812984490
6	$\mathcal{O}(0; \{2^{28}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^{24}, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^{20}, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^{14}, 6^{16}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^{17}, 6^{16}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{20}, 6^{16}\})$	22906492246
6	$\mathcal{O}(0; \{3^{23}, 6^{16}\})$	183251937962
6	$\mathcal{O}(0; \{2^{29}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{25}, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^{21}, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^{17}, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3^{12}, 6^{17}\})$	178956970

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3^{15}, 6^{17}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^{18}, 6^{17}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{21}, 6^{17}\})$	91625968982
6	$\mathcal{O}(0; \{2^{26}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^{22}, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^{18}, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6^{18}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6^{18}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^{16}, 6^{18}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^{19}, 6^{18}\})$	45812984490
6	$\mathcal{O}(0; \{2^{23}, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^{19}, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^{15}, 3^8, 6^{19}\})$	44739242
6	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^{19}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^{14}, 6^{19}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^{17}, 6^{19}\})$	22906492246
6	$\mathcal{O}(0; \{2^{24}, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{20}, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^{16}, 3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^{12}, 3^9, 6^{20}\})$	178956970
6	$\mathcal{O}(0; \{2^8, 3^{12}, 6^{20}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^{15}, 6^{20}\})$	11453246122
6	$\mathcal{O}(0; \{3^{18}, 6^{20}\})$	91625968982
6	$\mathcal{O}(0; \{2^{21}, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2^{17}, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^{13}, 3^7, 6^{21}\})$	89478486
6	$\mathcal{O}(0; \{2^9, 3^{10}, 6^{21}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^{13}, 6^{21}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^{16}, 6^{21}\})$	45812984490
6	$\mathcal{O}(0; \{2^{18}, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2^{14}, 3^5, 6^{22}\})$	44739242
6	$\mathcal{O}(0; \{2^{10}, 3^8, 6^{22}\})$	357913942
6	$\mathcal{O}(0; \{2^6, 3^{11}, 6^{22}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^{14}, 6^{22}\})$	22906492246
6	$\mathcal{O}(0; \{2^{19}, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{15}, 3^3, 6^{23}\})$	22369622
6	$\mathcal{O}(0; \{2^{11}, 3^6, 6^{23}\})$	178956970
6	$\mathcal{O}(0; \{2^7, 3^9, 6^{23}\})$	1431655766
6	$\mathcal{O}(0; \{2^3, 3^{12}, 6^{23}\})$	11453246122
6	$\mathcal{O}(0; \{2^{16}, 3, 6^{24}\})$	11184810
6	$\mathcal{O}(0; \{2^{12}, 3^4, 6^{24}\})$	89478486
6	$\mathcal{O}(0; \{2^8, 3^7, 6^{24}\})$	715827882
6	$\mathcal{O}(0; \{2^4, 3^{10}, 6^{24}\})$	5726623062

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{3^{13}, 6^{24}\})$	45812984490
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6^{25}\})$	44739242
6	$\mathcal{O}(0; \{2^9, 3^5, 6^{25}\})$	357913942
6	$\mathcal{O}(0; \{2^5, 3^8, 6^{25}\})$	2863311530
6	$\mathcal{O}(0; \{2, 3^{11}, 6^{25}\})$	22906492246
6	$\mathcal{O}(0; \{2^{14}, 6^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^{26}\})$	178956970
6	$\mathcal{O}(0; \{2^6, 3^6, 6^{26}\})$	1431655766
6	$\mathcal{O}(0; \{2^2, 3^9, 6^{26}\})$	11453246122
6	$\mathcal{O}(0; \{2^{11}, 3, 6^{27}\})$	89478486
6	$\mathcal{O}(0; \{2^7, 3^4, 6^{27}\})$	715827882
6	$\mathcal{O}(0; \{2^3, 3^7, 6^{27}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^2, 6^{28}\})$	357913942
6	$\mathcal{O}(0; \{2^4, 3^5, 6^{28}\})$	2863311530
6	$\mathcal{O}(0; \{3^8, 6^{28}\})$	22906492246
6	$\mathcal{O}(0; \{2^9, 6^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^5, 3^3, 6^{29}\})$	1431655766
6	$\mathcal{O}(0; \{2, 3^6, 6^{29}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3, 6^{30}\})$	715827882
6	$\mathcal{O}(0; \{2^2, 3^4, 6^{30}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^2, 6^{31}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 6^{32}\})$	1431655766
6	$\mathcal{O}(0; \{3^3, 6^{32}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3, 6^{33}\})$	5726623062
7	$\mathcal{O}(9; \{7^8\})$	390731329164220595754
7	$\mathcal{O}(6; \{7^{15}\})$	929709344147303355510
7	$\mathcal{O}(3; \{7^{22}\})$	2212165976476983855594
7	$\mathcal{O}(0; \{7^{29}\})$	5263664755255556140470
8	$\mathcal{O}(11; \emptyset)$	73786958702652162048
8	$\mathcal{O}(10; \{2^4\})$	1152920405095219200
8	$\mathcal{O}(10; \{2, 4^2\})$	2305840810190438400
8	$\mathcal{O}(9; \{2^8\})$	18014329790005248
8	$\mathcal{O}(9; \{2^5, 4^2\})$	36028659580010496
8	$\mathcal{O}(9; \{2^2, 4^4\})$	144114638320041984
8	$\mathcal{O}(9; \{2^3, 4, 8^2\})$	144115188075855872
8	$\mathcal{O}(9; \{4^3, 8^2\})$	576460752303423488
8	$\mathcal{O}(9; \{2, 8^4\})$	1152921504606846976
8	$\mathcal{O}(8; \{2^{12}\})$	281470681743360
8	$\mathcal{O}(8; \{2^9, 4^2\})$	562941363486720
8	$\mathcal{O}(8; \{2^6, 4^4\})$	2251765453946880
8	$\mathcal{O}(8; \{2^3, 4^6\})$	9007061815787520
8	$\mathcal{O}(8; \{4^8\})$	36028247263150080
8	$\mathcal{O}(8; \{2^7, 4, 8^2\})$	2251799813685248

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(8; \{2^4, 4^3, 8^2\})$	9007199254740992
8	$\mathcal{O}(8; \{2, 4^5, 8^2\})$	36028797018963968
8	$\mathcal{O}(8; \{2^5, 8^4\})$	18014398509481984
8	$\mathcal{O}(8; \{2^2, 4^2, 8^4\})$	72057594037927936
8	$\mathcal{O}(8; \{4, 8^6\})$	576460752303423488
8	$\mathcal{O}(7; \{2^{16}\})$	4397778075648
8	$\mathcal{O}(7; \{2^{13}, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{2^{10}, 4^4\})$	35182224605184
8	$\mathcal{O}(7; \{2^7, 4^6\})$	140728898420736
8	$\mathcal{O}(7; \{2^4, 4^8\})$	562915593682944
8	$\mathcal{O}(7; \{2, 4^{10}\})$	2251662374731776
8	$\mathcal{O}(7; \{2^{11}, 4, 8^2\})$	35184372088832
8	$\mathcal{O}(7; \{2^8, 4^3, 8^2\})$	140737488355328
8	$\mathcal{O}(7; \{2^5, 4^5, 8^2\})$	562949953421312
8	$\mathcal{O}(7; \{2^2, 4^7, 8^2\})$	2251799813685248
8	$\mathcal{O}(7; \{2^9, 8^4\})$	281474976710656
8	$\mathcal{O}(7; \{2^6, 4^2, 8^4\})$	112589906842624
8	$\mathcal{O}(7; \{2^3, 4^4, 8^4\})$	4503599627370496
8	$\mathcal{O}(7; \{4^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(7; \{2^4, 4, 8^6\})$	9007199254740992
8	$\mathcal{O}(7; \{2, 4^3, 8^6\})$	36028797018963968
8	$\mathcal{O}(7; \{2^2, 8^8\})$	72057594037927936
8	$\mathcal{O}(6; \{2^{20}\})$	68702699520
8	$\mathcal{O}(6; \{2^{17}, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^{14}, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^{11}, 4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^8, 4^8\})$	8793945538560
8	$\mathcal{O}(6; \{2^5, 4^{10}\})$	35175782154240
8	$\mathcal{O}(6; \{2^2, 4^{12}\})$	140703128616960
8	$\mathcal{O}(6; \{2^{15}, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2^{12}, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^9, 4^5, 8^2\})$	8796093022208
8	$\mathcal{O}(6; \{2^6, 4^7, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^3, 4^9, 8^2\})$	140737488355328
8	$\mathcal{O}(6; \{4^{11}, 8^2\})$	562949953421312
8	$\mathcal{O}(6; \{2^{13}, 8^4\})$	4398046511104
8	$\mathcal{O}(6; \{2^{10}, 4^2, 8^4\})$	17592186044416
8	$\mathcal{O}(6; \{2^7, 4^4, 8^4\})$	70368744177664
8	$\mathcal{O}(6; \{2^4, 4^6, 8^4\})$	281474976710656
8	$\mathcal{O}(6; \{2, 4^8, 8^4\})$	112589906842624
8	$\mathcal{O}(6; \{2^8, 4, 8^6\})$	140737488355328
8	$\mathcal{O}(6; \{2^5, 4^3, 8^6\})$	562949953421312
8	$\mathcal{O}(6; \{2^2, 4^5, 8^6\})$	2251799813685248

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(6; \{2^3, 4^2, 8^8\})$	4503599627370496
8	$\mathcal{O}(6; \{4^4, 8^8\})$	18014398509481984
8	$\mathcal{O}(6; \{2, 4, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(5; \{2^{24}\})$	1072693248
8	$\mathcal{O}(5; \{2^{21}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^{18}, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^{15}, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^{12}, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^9, 4^{10}\})$	549218942976
8	$\mathcal{O}(5; \{2^6, 4^{12}\})$	2196875771904
8	$\mathcal{O}(5; \{2^3, 4^{14}\})$	8787503087616
8	$\mathcal{O}(5; \{4^{16}\})$	35150012350464
8	$\mathcal{O}(5; \{2^{19}, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^{16}, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^{13}, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^{10}, 4^7, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^7, 4^9, 8^2\})$	2199023255552
8	$\mathcal{O}(5; \{2^4, 4^{11}, 8^2\})$	8796093022208
8	$\mathcal{O}(5; \{2, 4^{13}, 8^2\})$	35184372088832
8	$\mathcal{O}(5; \{2^{17}, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^{14}, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{2^{11}, 4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2^8, 4^6, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^5, 4^8, 8^4\})$	17592186044416
8	$\mathcal{O}(5; \{2^2, 4^{10}, 8^4\})$	70368744177664
8	$\mathcal{O}(5; \{2^{12}, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(5; \{2^9, 4^3, 8^6\})$	8796093022208
8	$\mathcal{O}(5; \{2^6, 4^5, 8^6\})$	35184372088832
8	$\mathcal{O}(5; \{2^3, 4^7, 8^6\})$	140737488355328
8	$\mathcal{O}(5; \{4^9, 8^6\})$	562949953421312
8	$\mathcal{O}(5; \{2^{10}, 8^8\})$	17592186044416
8	$\mathcal{O}(5; \{2^7, 4^2, 8^8\})$	70368744177664
8	$\mathcal{O}(5; \{2^4, 4^4, 8^8\})$	281474976710656
8	$\mathcal{O}(5; \{2, 4^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(5; \{2^5, 4, 8^{10}\})$	562949953421312
8	$\mathcal{O}(5; \{2^2, 4^3, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(5; \{2^3, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(5; \{4^2, 8^{12}\})$	18014398509481984
8	$\mathcal{O}(4; \{2^{28}\})$	16711680
8	$\mathcal{O}(4; \{2^{25}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{22}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^{19}, 4^6\})$	534773760

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^{16}, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^{13}, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{10}, 4^{12}\})$	34225520640
8	$\mathcal{O}(4; \{2^7, 4^{14}\})$	136902082560
8	$\mathcal{O}(4; \{2^4, 4^{16}\})$	547608330240
8	$\mathcal{O}(4; \{2, 4^{18}\})$	2190433320960
8	$\mathcal{O}(4; \{2^{23}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^{20}, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^{17}, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^{14}, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{11}, 4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^8, 4^{11}, 8^2\})$	137438953472
8	$\mathcal{O}(4; \{2^5, 4^{13}, 8^2\})$	549755813888
8	$\mathcal{O}(4; \{2^2, 4^{15}, 8^2\})$	2199023255552
8	$\mathcal{O}(4; \{2^{21}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^{18}, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^{15}, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^{12}, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^9, 4^8, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^6, 4^{10}, 8^4\})$	1099511627776
8	$\mathcal{O}(4; \{2^3, 4^{12}, 8^4\})$	4398046511104
8	$\mathcal{O}(4; \{4^{14}, 8^4\})$	17592186044416
8	$\mathcal{O}(4; \{2^{16}, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^{13}, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^{10}, 4^5, 8^6\})$	549755813888
8	$\mathcal{O}(4; \{2^7, 4^7, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^4, 4^9, 8^6\})$	8796093022208
8	$\mathcal{O}(4; \{2, 4^{11}, 8^6\})$	35184372088832
8	$\mathcal{O}(4; \{2^{14}, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{2^{11}, 4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(4; \{2^8, 4^4, 8^8\})$	4398046511104
8	$\mathcal{O}(4; \{2^5, 4^6, 8^8\})$	17592186044416
8	$\mathcal{O}(4; \{2^2, 4^8, 8^8\})$	70368744177664
8	$\mathcal{O}(4; \{2^9, 4, 8^{10}\})$	8796093022208
8	$\mathcal{O}(4; \{2^6, 4^3, 8^{10}\})$	35184372088832
8	$\mathcal{O}(4; \{2^3, 4^5, 8^{10}\})$	140737488355328
8	$\mathcal{O}(4; \{4^7, 8^{10}\})$	562949953421312
8	$\mathcal{O}(4; \{2^7, 8^{12}\})$	70368744177664
8	$\mathcal{O}(4; \{2^4, 4^2, 8^{12}\})$	281474976710656
8	$\mathcal{O}(4; \{2, 4^4, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^2, 4, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(4; \{8^{16}\})$	18014398509481984
8	$\mathcal{O}(3; \{2^{32}\})$	258048

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{29}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{26}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{23}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^{20}, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^{17}, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{14}, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{11}, 4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^8, 4^{16}\})$	8455716864
8	$\mathcal{O}(3; \{2^5, 4^{18}\})$	33822867456
8	$\mathcal{O}(3; \{2^2, 4^{20}\})$	135291469824
8	$\mathcal{O}(3; \{2^{27}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{24}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{21}, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^{18}, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^{15}, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{12}, 4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^9, 4^{13}, 8^2\})$	8589934592
8	$\mathcal{O}(3; \{2^6, 4^{15}, 8^2\})$	34359738368
8	$\mathcal{O}(3; \{2^3, 4^{17}, 8^2\})$	137438953472
8	$\mathcal{O}(3; \{4^{19}, 8^2\})$	549755813888
8	$\mathcal{O}(3; \{2^{25}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{22}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^{19}, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^{16}, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{13}, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{10}, 4^{10}, 8^4\})$	17179869184
8	$\mathcal{O}(3; \{2^7, 4^{12}, 8^4\})$	68719476736
8	$\mathcal{O}(3; \{2^4, 4^{14}, 8^4\})$	274877906944
8	$\mathcal{O}(3; \{2, 4^{16}, 8^4\})$	1099511627776
8	$\mathcal{O}(3; \{2^{20}, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^{17}, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^{14}, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^{11}, 4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^8, 4^9, 8^6\})$	137438953472
8	$\mathcal{O}(3; \{2^5, 4^{11}, 8^6\})$	549755813888
8	$\mathcal{O}(3; \{2^2, 4^{13}, 8^6\})$	2199023255552
8	$\mathcal{O}(3; \{2^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^{15}, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2^{12}, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^9, 4^6, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^6, 4^8, 8^8\})$	1099511627776
8	$\mathcal{O}(3; \{2^3, 4^{10}, 8^8\})$	4398046511104
8	$\mathcal{O}(3; \{4^{12}, 8^8\})$	17592186044416

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{13}, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(3; \{2^{10}, 4^3, 8^{10}\})$	549755813888
8	$\mathcal{O}(3; \{2^7, 4^5, 8^{10}\})$	2199023255552
8	$\mathcal{O}(3; \{2^4, 4^7, 8^{10}\})$	8796093022208
8	$\mathcal{O}(3; \{2, 4^9, 8^{10}\})$	35184372088832
8	$\mathcal{O}(3; \{2^{11}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(3; \{2^8, 4^2, 8^{12}\})$	4398046511104
8	$\mathcal{O}(3; \{2^5, 4^4, 8^{12}\})$	17592186044416
8	$\mathcal{O}(3; \{2^2, 4^6, 8^{12}\})$	70368744177664
8	$\mathcal{O}(3; \{2^6, 4, 8^{14}\})$	35184372088832
8	$\mathcal{O}(3; \{2^3, 4^3, 8^{14}\})$	140737488355328
8	$\mathcal{O}(3; \{4^5, 8^{14}\})$	562949953421312
8	$\mathcal{O}(3; \{2^4, 8^{16}\})$	281474976710656
8	$\mathcal{O}(3; \{2, 4^2, 8^{16}\})$	112589906842624
8	$\mathcal{O}(2; \{2^{36}\})$	3840
8	$\mathcal{O}(2; \{2^{33}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{30}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{27}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{24}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{21}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{18}, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{15}, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{12}, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^9, 4^{18}\})$	503316480
8	$\mathcal{O}(2; \{2^6, 4^{20}\})$	2013265920
8	$\mathcal{O}(2; \{2^3, 4^{22}\})$	8053063680
8	$\mathcal{O}(2; \{4^{24}\})$	32212254720
8	$\mathcal{O}(2; \{2^{31}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{28}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{25}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{22}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{19}, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{16}, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{13}, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{10}, 4^{15}, 8^2\})$	536870912
8	$\mathcal{O}(2; \{2^7, 4^{17}, 8^2\})$	2147483648
8	$\mathcal{O}(2; \{2^4, 4^{19}, 8^2\})$	8589934592
8	$\mathcal{O}(2; \{2, 4^{21}, 8^2\})$	34359738368
8	$\mathcal{O}(2; \{2^{29}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{26}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{23}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^{20}, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^{17}, 4^8, 8^4\})$	67108864

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{14}, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{11}, 4^{12}, 8^4\})$	1073741824
8	$\mathcal{O}(2; \{2^8, 4^{14}, 8^4\})$	4294967296
8	$\mathcal{O}(2; \{2^5, 4^{16}, 8^4\})$	17179869184
8	$\mathcal{O}(2; \{2^2, 4^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(2; \{2^{24}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{21}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^{18}, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^{15}, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{12}, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^9, 4^{11}, 8^6\})$	8589934592
8	$\mathcal{O}(2; \{2^6, 4^{13}, 8^6\})$	34359738368
8	$\mathcal{O}(2; \{2^3, 4^{15}, 8^6\})$	137438953472
8	$\mathcal{O}(2; \{4^{17}, 8^6\})$	549755813888
8	$\mathcal{O}(2; \{2^{22}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^{19}, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^{16}, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^{13}, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{10}, 4^8, 8^8\})$	17179869184
8	$\mathcal{O}(2; \{2^7, 4^{10}, 8^8\})$	68719476736
8	$\mathcal{O}(2; \{2^4, 4^{12}, 8^8\})$	274877906944
8	$\mathcal{O}(2; \{2, 4^{14}, 8^8\})$	1099511627776
8	$\mathcal{O}(2; \{2^{17}, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^{14}, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^{11}, 4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^8, 4^7, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^5, 4^9, 8^{10}\})$	549755813888
8	$\mathcal{O}(2; \{2^2, 4^{11}, 8^{10}\})$	2199023255552
8	$\mathcal{O}(2; \{2^{15}, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2^{12}, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(2; \{2^9, 4^4, 8^{12}\})$	274877906944
8	$\mathcal{O}(2; \{2^6, 4^6, 8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^3, 4^8, 8^{12}\})$	4398046511104
8	$\mathcal{O}(2; \{4^{10}, 8^{12}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{10}, 4, 8^{14}\})$	549755813888
8	$\mathcal{O}(2; \{2^7, 4^3, 8^{14}\})$	2199023255552
8	$\mathcal{O}(2; \{2^4, 4^5, 8^{14}\})$	8796093022208
8	$\mathcal{O}(2; \{2, 4^7, 8^{14}\})$	35184372088832
8	$\mathcal{O}(2; \{2^8, 8^{16}\})$	4398046511104
8	$\mathcal{O}(2; \{2^5, 4^2, 8^{16}\})$	17592186044416
8	$\mathcal{O}(2; \{2^2, 4^4, 8^{16}\})$	70368744177664
8	$\mathcal{O}(2; \{2^3, 4, 8^{18}\})$	140737488355328
8	$\mathcal{O}(2; \{4^3, 8^{18}\})$	562949953421312

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(1; \{2^{40}\})$	48
8	$\mathcal{O}(1; \{2^{37}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{34}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{31}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{28}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{25}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{22}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{19}, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{16}, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{13}, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{10}, 4^{20}\})$	25165824
8	$\mathcal{O}(1; \{2^7, 4^{22}\})$	100663296
8	$\mathcal{O}(1; \{2^4, 4^{24}\})$	402653184
8	$\mathcal{O}(1; \{2, 4^{26}\})$	1610612736
8	$\mathcal{O}(1; \{2^{35}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{32}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{29}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{26}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{23}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^{20}, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{17}, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{14}, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{11}, 4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^8, 4^{19}, 8^2\})$	134217728
8	$\mathcal{O}(1; \{2^5, 4^{21}, 8^2\})$	536870912
8	$\mathcal{O}(1; \{2^2, 4^{23}, 8^2\})$	2147483648
8	$\mathcal{O}(1; \{2^{33}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{30}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{27}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{24}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{21}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{18}, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{15}, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{12}, 4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^9, 4^{16}, 8^4\})$	268435456
8	$\mathcal{O}(1; \{2^6, 4^{18}, 8^4\})$	1073741824
8	$\mathcal{O}(1; \{2^3, 4^{20}, 8^4\})$	4294967296
8	$\mathcal{O}(1; \{4^{22}, 8^4\})$	17179869184
8	$\mathcal{O}(1; \{2^{28}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{25}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{22}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^{19}, 4^7, 8^6\})$	8388608

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{16}, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{13}, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{10}, 4^{13}, 8^6\})$	536870912
8	$\mathcal{O}(1; \{2^7, 4^{15}, 8^6\})$	2147483648
8	$\mathcal{O}(1; \{2^4, 4^{17}, 8^6\})$	8589934592
8	$\mathcal{O}(1; \{2, 4^{19}, 8^6\})$	34359738368
8	$\mathcal{O}(1; \{2^{26}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{23}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^{20}, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^{17}, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{14}, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{11}, 4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^8, 4^{12}, 8^8\})$	4294967296
8	$\mathcal{O}(1; \{2^5, 4^{14}, 8^8\})$	17179869184
8	$\mathcal{O}(1; \{2^2, 4^{16}, 8^8\})$	68719476736
8	$\mathcal{O}(1; \{2^{21}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^{18}, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^{15}, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^{12}, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^9, 4^9, 8^{10}\})$	8589934592
8	$\mathcal{O}(1; \{2^6, 4^{11}, 8^{10}\})$	34359738368
8	$\mathcal{O}(1; \{2^3, 4^{13}, 8^{10}\})$	137438953472
8	$\mathcal{O}(1; \{4^{15}, 8^{10}\})$	549755813888
8	$\mathcal{O}(1; \{2^{19}, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^{16}, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^{13}, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^{10}, 4^6, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^7, 4^8, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^4, 4^{10}, 8^{12}\})$	274877906944
8	$\mathcal{O}(1; \{2, 4^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{14}, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{2^{11}, 4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2^8, 4^5, 8^{14}\})$	137438953472
8	$\mathcal{O}(1; \{2^5, 4^7, 8^{14}\})$	549755813888
8	$\mathcal{O}(1; \{2^2, 4^9, 8^{14}\})$	2199023255552
8	$\mathcal{O}(1; \{2^{12}, 8^{16}\})$	68719476736
8	$\mathcal{O}(1; \{2^9, 4^2, 8^{16}\})$	274877906944
8	$\mathcal{O}(1; \{2^6, 4^4, 8^{16}\})$	1099511627776
8	$\mathcal{O}(1; \{2^3, 4^6, 8^{16}\})$	4398046511104
8	$\mathcal{O}(1; \{4^8, 8^{16}\})$	17592186044416
8	$\mathcal{O}(1; \{2^7, 4, 8^{18}\})$	2199023255552
8	$\mathcal{O}(1; \{2^4, 4^3, 8^{18}\})$	8796093022208
8	$\mathcal{O}(1; \{2, 4^5, 8^{18}\})$	35184372088832

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^5, 8^{20}\})$	17592186044416
8	$\mathcal{O}(1; \{2^2, 4^2, 8^{20}\})$	70368744177664
8	$\mathcal{O}(1; \{4, 8^{22}\})$	562949953421312
8	$\mathcal{O}(0; \{2^{39}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{36}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{33}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{30}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{27}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{24}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{21}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{18}, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{15}, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{12}, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^9, 4^{21}, 8^2\})$	8388608
8	$\mathcal{O}(0; \{2^6, 4^{23}, 8^2\})$	33554432
8	$\mathcal{O}(0; \{2^3, 4^{25}, 8^2\})$	134217728
8	$\mathcal{O}(0; \{4^{27}, 8^2\})$	536870912
8	$\mathcal{O}(0; \{2^{37}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{34}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{31}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{28}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{25}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{22}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^{19}, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{16}, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{13}, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{10}, 4^{18}, 8^4\})$	16777216
8	$\mathcal{O}(0; \{2^7, 4^{20}, 8^4\})$	67108864
8	$\mathcal{O}(0; \{2^4, 4^{22}, 8^4\})$	268435456
8	$\mathcal{O}(0; \{2, 4^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(0; \{2^{32}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{29}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{26}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{23}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{20}, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{17}, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{14}, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{11}, 4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^8, 4^{17}, 8^6\})$	134217728
8	$\mathcal{O}(0; \{2^5, 4^{19}, 8^6\})$	536870912
8	$\mathcal{O}(0; \{2^2, 4^{21}, 8^6\})$	2147483648
8	$\mathcal{O}(0; \{2^{30}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{27}, 4^2, 8^8\})$	65536

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{24}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{21}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{18}, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^{15}, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{12}, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^9, 4^{14}, 8^8\})$	268435456
8	$\mathcal{O}(0; \{2^6, 4^{16}, 8^8\})$	1073741824
8	$\mathcal{O}(0; \{2^3, 4^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(0; \{4^{20}, 8^8\})$	17179869184
8	$\mathcal{O}(0; \{2^{25}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{22}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^{19}, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^{16}, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{13}, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{10}, 4^{11}, 8^{10}\})$	536870912
8	$\mathcal{O}(0; \{2^7, 4^{13}, 8^{10}\})$	2147483648
8	$\mathcal{O}(0; \{2^4, 4^{15}, 8^{10}\})$	8589934592
8	$\mathcal{O}(0; \{2, 4^{17}, 8^{10}\})$	34359738368
8	$\mathcal{O}(0; \{2^{23}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^{20}, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^{17}, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^{14}, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{11}, 4^8, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^8, 4^{10}, 8^{12}\})$	4294967296
8	$\mathcal{O}(0; \{2^5, 4^{12}, 8^{12}\})$	17179869184
8	$\mathcal{O}(0; \{2^2, 4^{14}, 8^{12}\})$	68719476736
8	$\mathcal{O}(0; \{2^{18}, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^{15}, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^{12}, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^9, 4^7, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^6, 4^9, 8^{14}\})$	34359738368
8	$\mathcal{O}(0; \{2^3, 4^{11}, 8^{14}\})$	137438953472
8	$\mathcal{O}(0; \{4^{13}, 8^{14}\})$	549755813888
8	$\mathcal{O}(0; \{2^{16}, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^{13}, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{2^{10}, 4^4, 8^{16}\})$	17179869184
8	$\mathcal{O}(0; \{2^7, 4^6, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^4, 4^8, 8^{16}\})$	274877906944
8	$\mathcal{O}(0; \{2, 4^{10}, 8^{16}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{11}, 4, 8^{18}\})$	34359738368
8	$\mathcal{O}(0; \{2^8, 4^3, 8^{18}\})$	137438953472
8	$\mathcal{O}(0; \{2^5, 4^5, 8^{18}\})$	549755813888
8	$\mathcal{O}(0; \{2^2, 4^7, 8^{18}\})$	2199023255552

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^9, 8^{20}\})$	274877906944
8	$\mathcal{O}(0; \{2^6, 4^2, 8^{20}\})$	1099511627776
8	$\mathcal{O}(0; \{2^3, 4^4, 8^{20}\})$	4398046511104
8	$\mathcal{O}(0; \{4^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(0; \{2^4, 4, 8^{22}\})$	8796093022208
8	$\mathcal{O}(0; \{2, 4^3, 8^{22}\})$	35184372088832
8	$\mathcal{O}(0; \{2^2, 8^{24}\})$	70368744177664
9	$\mathcal{O}(9; \{9^2\})$	900567811781994726
9	$\mathcal{O}(8; \{3^3, 9^2\})$	88944969064888368
9	$\mathcal{O}(7; \{3^6, 9^2\})$	8784688302705024
9	$\mathcal{O}(7; \{3^2, 9^5\})$	74120807554073640
9	$\mathcal{O}(6; \{3^9, 9^2\})$	867623536069632
9	$\mathcal{O}(6; \{3^5, 9^5\})$	7320573585587520
9	$\mathcal{O}(6; \{3, 9^8\})$	106239824160838884
9	$\mathcal{O}(5; \{3^{12}, 9^2\})$	85691213438976
9	$\mathcal{O}(5; \{3^8, 9^5\})$	723019613391360
9	$\mathcal{O}(5; \{3^4, 9^8\})$	10492822139342112
9	$\mathcal{O}(5; \{9^{11}\})$	140417752088550618
9	$\mathcal{O}(4; \{3^{15}, 9^2\})$	8463329722368
9	$\mathcal{O}(4; \{3^{11}, 9^5\})$	71409344532480
9	$\mathcal{O}(4; \{3^7, 9^8\})$	1036328112527616
9	$\mathcal{O}(4; \{3^3, 9^{11}\})$	13868419959363024
9	$\mathcal{O}(3; \{3^{18}, 9^2\})$	835884417024
9	$\mathcal{O}(3; \{3^{14}, 9^5\})$	7052774768640
9	$\mathcal{O}(3; \{3^{10}, 9^8\})$	102353393829888
9	$\mathcal{O}(3; \{3^6, 9^{11}\})$	1369720489813632
9	$\mathcal{O}(3; \{3^2, 9^{14}\})$	18511561539110664
9	$\mathcal{O}(2; \{3^{21}, 9^2\})$	82556485632
9	$\mathcal{O}(2; \{3^{17}, 9^5\})$	696570347520
9	$\mathcal{O}(2; \{3^{13}, 9^8\})$	10108977168384
9	$\mathcal{O}(2; \{3^9, 9^{11}\})$	135281036030976
9	$\mathcal{O}(2; \{3^5, 9^{14}\})$	1828302374233152
9	$\mathcal{O}(2; \{3, 9^{17}\})$	24678692897709780
9	$\mathcal{O}(1; \{3^{24}, 9^2\})$	8153726976
9	$\mathcal{O}(1; \{3^{20}, 9^5\})$	68797071360
9	$\mathcal{O}(1; \{3^{16}, 9^8\})$	998417498112
9	$\mathcal{O}(1; \{3^{12}, 9^{11}\})$	13361089978368
9	$\mathcal{O}(1; \{3^8, 9^{14}\})$	180573073998336
9	$\mathcal{O}(1; \{3^4, 9^{17}\})$	2437401767675040
9	$\mathcal{O}(1; \{9^{20}\})$	32905488722686002
9	$\mathcal{O}(0; \{3^{27}, 9^2\})$	805306368
9	$\mathcal{O}(0; \{3^{23}, 9^5\})$	6794772480
9	$\mathcal{O}(0; \{3^{19}, 9^8\})$	98609135616

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(0; \{3^{15}, 9^{11}\})$	1319613825024
9	$\mathcal{O}(0; \{3^{11}, 9^{14}\})$	17834377678848
9	$\mathcal{O}(0; \{3^7, 9^{17}\})$	240731038782720
9	$\mathcal{O}(0; \{3^3, 9^{20}\})$	3249924812117136
10	$\mathcal{O}(9; \emptyset)$	999996185302472232
10	$\mathcal{O}(8; \{2^4\})$	999999999934464
10	$\mathcal{O}(7; \{2^8\})$	99999999983616
10	$\mathcal{O}(7; \{5^5\})$	20398754882812500
10	$\mathcal{O}(7; \{2^3, 5^2, 10\})$	1200000000000000
10	$\mathcal{O}(7; \{2, 5, 10^3\})$	5200000000000000
10	$\mathcal{O}(6; \{2^{12}\})$	999999995904
10	$\mathcal{O}(6; \{2^4, 5^5\})$	2040000000000000
10	$\mathcal{O}(6; \{2^7, 5^2, 10\})$	1200000000000000
10	$\mathcal{O}(6; \{2^2, 5^4, 10^2\})$	8200000000000000
10	$\mathcal{O}(6; \{2^5, 5, 10^3\})$	5200000000000000
10	$\mathcal{O}(6; \{5^3, 10^4\})$	3276000000000000
10	$\mathcal{O}(6; \{2^3, 10^5\})$	2040000000000000
10	$\mathcal{O}(5; \{2^{16}\})$	999998976
10	$\mathcal{O}(5; \{2^8, 5^5\})$	2040000000000000
10	$\mathcal{O}(5; \{5^{10}\})$	2095111992187500
10	$\mathcal{O}(5; \{2^{11}, 5^2, 10\})$	1200000000000000
10	$\mathcal{O}(5; \{2^3, 5^7, 10\})$	1310800000000000
10	$\mathcal{O}(5; \{2^6, 5^4, 10^2\})$	8200000000000000
10	$\mathcal{O}(5; \{2^9, 5, 10^3\})$	5200000000000000
10	$\mathcal{O}(5; \{2, 5^6, 10^3\})$	5242800000000000
10	$\mathcal{O}(5; \{2^4, 5^3, 10^4\})$	3276000000000000
10	$\mathcal{O}(5; \{2^7, 10^5\})$	2040000000000000
10	$\mathcal{O}(5; \{2^2, 5^2, 10^6\})$	1310800000000000
10	$\mathcal{O}(5; \{5, 10^8\})$	5242800000000000
10	$\mathcal{O}(4; \{2^{20}\})$	99999744
10	$\mathcal{O}(4; \{2^{12}, 5^5\})$	204000000000
10	$\mathcal{O}(4; \{2^4, 5^{10}\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{15}, 5^2, 10\})$	1200000000000000
10	$\mathcal{O}(4; \{2^7, 5^7, 10\})$	1310800000000000
10	$\mathcal{O}(4; \{2^{10}, 5^4, 10^2\})$	8200000000000000
10	$\mathcal{O}(4; \{2^2, 5^9, 10^2\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{13}, 5, 10^3\})$	5200000000000000
10	$\mathcal{O}(4; \{2^5, 5^6, 10^3\})$	5242800000000000
10	$\mathcal{O}(4; \{2^8, 5^3, 10^4\})$	3276000000000000
10	$\mathcal{O}(4; \{5^8, 10^4\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{11}, 10^5\})$	2040000000000000
10	$\mathcal{O}(4; \{2^3, 5^5, 10^5\})$	2097160000000000
10	$\mathcal{O}(4; \{2^6, 5^2, 10^6\})$	1310800000000000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{2, 5^4, 10^7\})$	83886000000000
10	$\mathcal{O}(4; \{2^4, 5, 10^8\})$	52428000000000
10	$\mathcal{O}(4; \{2^2, 10^{10}\})$	20971600000000
10	$\mathcal{O}(3; \{2^{24}\})$	999936
10	$\mathcal{O}(3; \{2^{16}, 5^5\})$	204000000
10	$\mathcal{O}(3; \{2^8, 5^{10}\})$	209716000000
10	$\mathcal{O}(3; \{5^{15}\})$	211392920812500
10	$\mathcal{O}(3; \{2^{19}, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{2^{11}, 5^7, 10\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5^{12}, 10\})$	13421772000000
10	$\mathcal{O}(3; \{2^{14}, 5^4, 10^2\})$	820000000
10	$\mathcal{O}(3; \{2^6, 5^9, 10^2\})$	8388600000000
10	$\mathcal{O}(3; \{2^{17}, 5, 10^3\})$	520000000
10	$\mathcal{O}(3; \{2^9, 5^6, 10^3\})$	524280000000
10	$\mathcal{O}(3; \{2, 5^{11}, 10^3\})$	53687092000000
10	$\mathcal{O}(3; \{2^{12}, 5^3, 10^4\})$	3276000000
10	$\mathcal{O}(3; \{2^4, 5^8, 10^4\})$	33554440000000
10	$\mathcal{O}(3; \{2^{15}, 10^5\})$	204000000
10	$\mathcal{O}(3; \{2^7, 5^5, 10^5\})$	209716000000
10	$\mathcal{O}(3; \{2^{10}, 5^2, 10^6\})$	13108000000
10	$\mathcal{O}(3; \{2^2, 5^7, 10^6\})$	13421772000000
10	$\mathcal{O}(3; \{2^5, 5^4, 10^7\})$	8388600000000
10	$\mathcal{O}(3; \{2^8, 5, 10^8\})$	524280000000
10	$\mathcal{O}(3; \{5^6, 10^8\})$	53687092000000
10	$\mathcal{O}(3; \{2^3, 5^3, 10^9\})$	33554440000000
10	$\mathcal{O}(3; \{2^6, 10^{10}\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^2, 10^{11}\})$	13421772000000
10	$\mathcal{O}(2; \{2^{28}\})$	9984
10	$\mathcal{O}(2; \{2^{20}, 5^5\})$	2040000
10	$\mathcal{O}(2; \{2^{12}, 5^{10}\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^{15}\})$	2147483640000
10	$\mathcal{O}(2; \{2^{23}, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2^{15}, 5^7, 10\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^{12}, 10\})$	134217720000
10	$\mathcal{O}(2; \{2^{18}, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{2^{10}, 5^9, 10^2\})$	83886000000
10	$\mathcal{O}(2; \{2^2, 5^{14}, 10^2\})$	8589934600000
10	$\mathcal{O}(2; \{2^{21}, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{2^{13}, 5^6, 10^3\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^{11}, 10^3\})$	536870920000
10	$\mathcal{O}(2; \{2^{16}, 5^3, 10^4\})$	32760000
10	$\mathcal{O}(2; \{2^8, 5^8, 10^4\})$	33554440000
10	$\mathcal{O}(2; \{5^{13}, 10^4\})$	34359738360000

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^{19}, 10^5\})$	2040000
10	$\mathcal{O}(2; \{2^{11}, 5^5, 10^5\})$	2097160000
10	$\mathcal{O}(2; \{2^3, 5^{10}, 10^5\})$	2147483640000
10	$\mathcal{O}(2; \{2^{14}, 5^2, 10^6\})$	131080000
10	$\mathcal{O}(2; \{2^6, 5^7, 10^6\})$	134217720000
10	$\mathcal{O}(2; \{2^9, 5^4, 10^7\})$	8388600000
10	$\mathcal{O}(2; \{2, 5^9, 10^7\})$	8589934600000
10	$\mathcal{O}(2; \{2^{12}, 5, 10^8\})$	524280000
10	$\mathcal{O}(2; \{2^4, 5^6, 10^8\})$	536870920000
10	$\mathcal{O}(2; \{2^7, 5^3, 10^9\})$	33554440000
10	$\mathcal{O}(2; \{2^{10}, 10^{10}\})$	2097160000
10	$\mathcal{O}(2; \{2^2, 5^5, 10^{10}\})$	2147483640000
10	$\mathcal{O}(2; \{2^5, 5^2, 10^{11}\})$	134217720000
10	$\mathcal{O}(2; \{5^4, 10^{12}\})$	8589934600000
10	$\mathcal{O}(2; \{2^3, 5, 10^{13}\})$	536870920000
10	$\mathcal{O}(2; \{2, 10^{15}\})$	2147483640000
10	$\mathcal{O}(1; \{2^{32}\})$	96
10	$\mathcal{O}(1; \{2^{24}, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^{16}, 5^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^{15}\})$	21474836400
10	$\mathcal{O}(1; \{5^{20}\})$	16492674416700
10	$\mathcal{O}(1; \{2^{27}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^{19}, 5^7, 10\})$	1310800
10	$\mathcal{O}(1; \{2^{11}, 5^{12}, 10\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^{17}, 10\})$	1374389534800
10	$\mathcal{O}(1; \{2^{22}, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^{14}, 5^9, 10^2\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^{14}, 10^2\})$	85899346000
10	$\mathcal{O}(1; \{2^{25}, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2^{17}, 5^6, 10^3\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^{11}, 10^3\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^{16}, 10^3\})$	5497558138800
10	$\mathcal{O}(1; \{2^{20}, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{2^{12}, 5^8, 10^4\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^{13}, 10^4\})$	343597383600
10	$\mathcal{O}(1; \{2^{23}, 10^5\})$	20400
10	$\mathcal{O}(1; \{2^{15}, 5^5, 10^5\})$	20971600
10	$\mathcal{O}(1; \{2^7, 5^{10}, 10^5\})$	21474836400
10	$\mathcal{O}(1; \{2^{18}, 5^2, 10^6\})$	1310800
10	$\mathcal{O}(1; \{2^{10}, 5^7, 10^6\})$	1342177200
10	$\mathcal{O}(1; \{2^2, 5^{12}, 10^6\})$	1374389534800
10	$\mathcal{O}(1; \{2^{13}, 5^4, 10^7\})$	83886000
10	$\mathcal{O}(1; \{2^5, 5^9, 10^7\})$	85899346000

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{16}, 5, 10^8\})$	5242800
10	$\mathcal{O}(1; \{2^8, 5^6, 10^8\})$	5368709200
10	$\mathcal{O}(1; \{5^{11}, 10^8\})$	5497558138800
10	$\mathcal{O}(1; \{2^{11}, 5^3, 10^9\})$	335544400
10	$\mathcal{O}(1; \{2^3, 5^8, 10^9\})$	343597383600
10	$\mathcal{O}(1; \{2^{14}, 10^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^6, 5^5, 10^{10}\})$	21474836400
10	$\mathcal{O}(1; \{2^9, 5^2, 10^{11}\})$	1342177200
10	$\mathcal{O}(1; \{2, 5^7, 10^{11}\})$	1374389534800
10	$\mathcal{O}(1; \{2^4, 5^4, 10^{12}\})$	85899346000
10	$\mathcal{O}(1; \{2^7, 5, 10^{13}\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^3, 10^{14}\})$	343597383600
10	$\mathcal{O}(1; \{2^5, 10^{15}\})$	21474836400
10	$\mathcal{O}(1; \{5^2, 10^{16}\})$	1374389534800
10	$\mathcal{O}(0; \{2^{28}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^{20}, 5^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^{15}\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{20}\})$	219902325556
10	$\mathcal{O}(0; \{2^{31}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^{23}, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^{15}, 5^{12}, 10\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^{17}, 10\})$	13743895348
10	$\mathcal{O}(0; \{2^{26}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^{18}, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^{14}, 10^2\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^{19}, 10^2\})$	879609302220
10	$\mathcal{O}(0; \{2^{29}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^{21}, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2^{13}, 5^{11}, 10^3\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^{16}, 10^3\})$	54975581388
10	$\mathcal{O}(0; \{2^{24}, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^{16}, 5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^{13}, 10^4\})$	3435973836
10	$\mathcal{O}(0; \{5^{18}, 10^4\})$	3518437208884
10	$\mathcal{O}(0; \{2^{27}, 10^5\})$	204
10	$\mathcal{O}(0; \{2^{19}, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2^{11}, 5^{10}, 10^5\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^{15}, 10^5\})$	219902325556
10	$\mathcal{O}(0; \{2^{22}, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{2^{14}, 5^7, 10^6\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5^{12}, 10^6\})$	13743895348
10	$\mathcal{O}(0; \{2^{17}, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^9, 5^9, 10^7\})$	858993460

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2, 5^{14}, 10^7\})$	879609302220
10	$\mathcal{O}(0; \{2^{20}, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{2^{12}, 5^6, 10^8\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^{11}, 10^8\})$	54975581388
10	$\mathcal{O}(0; \{2^{15}, 5^3, 10^9\})$	3355444
10	$\mathcal{O}(0; \{2^7, 5^8, 10^9\})$	3435973836
10	$\mathcal{O}(0; \{2^{18}, 10^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{10}, 5^5, 10^{10}\})$	214748364
10	$\mathcal{O}(0; \{2^2, 5^{10}, 10^{10}\})$	219902325556
10	$\mathcal{O}(0; \{2^{13}, 5^2, 10^{11}\})$	13421772
10	$\mathcal{O}(0; \{2^5, 5^7, 10^{11}\})$	13743895348
10	$\mathcal{O}(0; \{2^8, 5^4, 10^{12}\})$	858993460
10	$\mathcal{O}(0; \{5^9, 10^{12}\})$	879609302220
10	$\mathcal{O}(0; \{2^{11}, 5, 10^{13}\})$	53687092
10	$\mathcal{O}(0; \{2^3, 5^6, 10^{13}\})$	54975581388
10	$\mathcal{O}(0; \{2^6, 5^3, 10^{14}\})$	3435973836
10	$\mathcal{O}(0; \{2^9, 10^{15}\})$	214748364
10	$\mathcal{O}(0; \{2, 5^5, 10^{15}\})$	219902325556
10	$\mathcal{O}(0; \{2^4, 5^2, 10^{16}\})$	13743895348
10	$\mathcal{O}(0; \{2^2, 5, 10^{18}\})$	54975581388
10	$\mathcal{O}(0; \{10^{20}\})$	219902325556
11	$\mathcal{O}(6; \{11^5\})$	28528313944393890
11	$\mathcal{O}(1; \{11^{16}\})$	110000000000000110
12	$\mathcal{O}(7; \{3^2\})$	2567680200769536
12	$\mathcal{O}(6; \{2^4, 3^2\})$	17827847331840
12	$\mathcal{O}(6; \{3^5\})$	89139236659200
12	$\mathcal{O}(6; \{2, 3^2, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^3, 6\})$	53483541995520
12	$\mathcal{O}(6; \{2^2, 3, 6^2\})$	17827847331840
12	$\mathcal{O}(6; \{6^4\})$	53483541995520
12	$\mathcal{O}(6; \{2^2, 3, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{4, 6^2, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^3, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{3, 6, 12^2\})$	106993205379072
12	$\mathcal{O}(5; \{2^8, 3^2\})$	123713796096
12	$\mathcal{O}(5; \{2^4, 3^5\})$	618568980480
12	$\mathcal{O}(5; \{3^8\})$	5319693232128
12	$\mathcal{O}(5; \{2^5, 3^2, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^5, 4^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 3^2, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{2^5, 3^3, 6\})$	371141388288
12	$\mathcal{O}(5; \{2, 3^6, 6\})$	2597989718016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^2, 3^3, 4^2, 6\})$	743008370688
12	$\mathcal{O}(5; \{2^6, 3, 6^2\})$	123713796096
12	$\mathcal{O}(5; \{2^2, 3^4, 6^2\})$	1360851757056
12	$\mathcal{O}(5; \{2^3, 3, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{3, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{2^3, 3^2, 6^3\})$	618568980480
12	$\mathcal{O}(5; \{3^2, 4^2, 6^3\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 6^4\})$	371141388288
12	$\mathcal{O}(5; \{3^3, 6^4\})$	2597989718016
12	$\mathcal{O}(5; \{2, 4^2, 6^4\})$	743008370688
12	$\mathcal{O}(5; \{2, 3, 6^5\})$	1360851757056
12	$\mathcal{O}(5; \{2^6, 3, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^4, 4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 3, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3^2, 4, 6, 12\})$	743008370688
12	$\mathcal{O}(5; \{3^2, 4^3, 6, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^4, 4, 6^2, 12\})$	247669456896
12	$\mathcal{O}(5; \{3^3, 4, 6^2, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2, 4^3, 6^2, 12\})$	990677827584
12	$\mathcal{O}(5; \{2, 3, 4, 6^3, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^7, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3, 6, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{3^4, 6, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3, 4^2, 6, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3^2, 6^2, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 6^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^2, 4, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 4, 6, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{6^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{4, 12^5\})$	19813556551680
12	$\mathcal{O}(4; \{2^{12}, 3^2\})$	856604160
12	$\mathcal{O}(4; \{2^8, 3^5\})$	4283020800
12	$\mathcal{O}(4; \{2^4, 3^8\})$	36833978880
12	$\mathcal{O}(4; \{3^{11}\})$	292102018560
12	$\mathcal{O}(4; \{2^9, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^5, 4^2\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^8, 4^2\})$	73956851712

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^6, 3^2, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^5, 4^4\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^2, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{3^2, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{2^9, 3^3, 6\})$	2569812480
12	$\mathcal{O}(4; \{2^5, 3^6, 6\})$	17988687360
12	$\mathcal{O}(4; \{2, 3^9, 6\})$	146479311360
12	$\mathcal{O}(4; \{2^6, 3^3, 4^2, 6\})$	5159780352
12	$\mathcal{O}(4; \{2^2, 3^6, 4^2, 6\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 3^3, 4^4, 6\})$	20639121408
12	$\mathcal{O}(4; \{3^3, 4^6, 6\})$	82556485632
12	$\mathcal{O}(4; \{2^{10}, 3, 6^2\})$	856604160
12	$\mathcal{O}(4; \{2^6, 3^4, 6^2\})$	9422645760
12	$\mathcal{O}(4; \{2^2, 3^7, 6^2\})$	72811353600
12	$\mathcal{O}(4; \{2^7, 3, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^3, 3^4, 4^2, 6^2\})$	18919194624
12	$\mathcal{O}(4; \{2^4, 3, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{3^4, 4^4, 6^2\})$	75676778496
12	$\mathcal{O}(4; \{2, 3, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{2^7, 3^2, 6^3\})$	4283020800
12	$\mathcal{O}(4; \{2^3, 3^5, 6^3\})$	36833978880
12	$\mathcal{O}(4; \{2^4, 3^2, 4^2, 6^3\})$	8599633920
12	$\mathcal{O}(4; \{3^5, 4^2, 6^3\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^2, 4^4, 6^3\})$	34398535680
12	$\mathcal{O}(4; \{2^8, 6^4\})$	2569812480
12	$\mathcal{O}(4; \{2^4, 3^3, 6^4\})$	17988687360
12	$\mathcal{O}(4; \{3^6, 6^4\})$	146479311360
12	$\mathcal{O}(4; \{2^5, 4^2, 6^4\})$	5159780352
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 6^4\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 4^4, 6^4\})$	20639121408
12	$\mathcal{O}(4; \{2^5, 3, 6^5\})$	9422645760
12	$\mathcal{O}(4; \{2, 3^4, 6^5\})$	72811353600
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6^5\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^2, 6^6\})$	36833978880
12	$\mathcal{O}(4; \{2^3, 6^7\})$	17988687360
12	$\mathcal{O}(4; \{4^2, 6^7\})$	36118462464
12	$\mathcal{O}(4; \{3, 6^8\})$	72811353600
12	$\mathcal{O}(4; \{2^{10}, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^4, 4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^7, 4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^7, 3, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^4, 4^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3, 4^5, 12\})$	27518828544

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3^4, 4^5, 12\})$	137594142720
12	$\mathcal{O}(4; \{2, 3, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3^2, 4, 6, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^5, 4, 6, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3^2, 4^3, 6, 12\})$	20639121408
12	$\mathcal{O}(4; \{3^5, 4^3, 6, 12\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^2, 4^5, 6, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^8, 4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 3^3, 4, 6^2, 12\})$	18919194624
12	$\mathcal{O}(4; \{3^6, 4, 6^2, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^5, 4^3, 6^2, 12\})$	6879707136
12	$\mathcal{O}(4; \{2, 3^3, 4^3, 6^2, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 4^5, 6^2, 12\})$	27518828544
12	$\mathcal{O}(4; \{2^5, 3, 4, 6^3, 12\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^4, 4, 6^3, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 3, 4^3, 6^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 6^4, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 4, 6^5, 12\})$	18919194624
12	$\mathcal{O}(4; \{4^3, 6^5, 12\})$	75676778496
12	$\mathcal{O}(4; \{3, 4, 6^6, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^{11}, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{3^6, 4^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^4, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^4, 6, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{3^7, 6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3, 4^2, 6, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^4, 4^2, 6, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3, 4^4, 6, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{2^5, 3^2, 6^2, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^5, 6^2, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 6^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2^6, 6^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^3, 6^3, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 4^2, 6^3, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{4^4, 6^3, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3, 6^4, 12^2\})$	36118462464

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3, 4^2, 6^4, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3^2, 6^5, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2, 6^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^5, 3^2, 4, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^5, 4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3^2, 4^3, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{2^6, 4, 6, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^3, 4, 6, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 4^3, 6, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{4^5, 6, 12^3\})$	330225942528
12	$\mathcal{O}(4; \{2^3, 3, 4, 6^2, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{3, 4^3, 6^2, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{3^2, 4, 6^3, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2, 4, 6^4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^6, 3, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{3, 4^4, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{2^3, 3^2, 6, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3^2, 4^2, 6, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^4, 6^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{3^3, 6^2, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2, 4^2, 6^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{2, 3, 6^3, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 4, 12^5\})$	137594142720
12	$\mathcal{O}(4; \{3^3, 4, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2, 4^3, 12^5\})$	550376570880
12	$\mathcal{O}(4; \{2, 3, 4, 6, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 6, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{12^8\})$	4733238509568
12	$\mathcal{O}(3; \{2^{16}, 3^2\})$	5878656
12	$\mathcal{O}(3; \{2^{12}, 3^5\})$	29393280
12	$\mathcal{O}(3; \{2^8, 3^8\})$	252782208
12	$\mathcal{O}(3; \{2^4, 3^{11}\})$	2004621696
12	$\mathcal{O}(3; \{3^{14}\})$	16054609536
12	$\mathcal{O}(3; \{2^{13}, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^8, 4^2\})$	513589248
12	$\mathcal{O}(3; \{2, 3^{11}, 4^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^5, 4^4\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^8, 4^4\})$	2054356992

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3^2, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^5, 4^6\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^2, 4^8\})$	764411904
12	$\mathcal{O}(3; \{3^5, 4^8\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^2, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{2^{13}, 3^3, 6\})$	17635968
12	$\mathcal{O}(3; \{2^9, 3^6, 6\})$	123451776
12	$\mathcal{O}(3; \{2^5, 3^9, 6\})$	1005250176
12	$\mathcal{O}(3; \{2, 3^{12}, 6\})$	8024365440
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^6, 3^6, 4^2, 6\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^9, 4^2, 6\})$	2042413056
12	$\mathcal{O}(3; \{2^7, 3^3, 4^4, 6\})$	143327232
12	$\mathcal{O}(3; \{2^3, 3^6, 4^4, 6\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^3, 4^6, 6\})$	573308928
12	$\mathcal{O}(3; \{3^6, 4^6, 6\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^3, 4^8, 6\})$	2293235712
12	$\mathcal{O}(3; \{2^{14}, 3, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^{10}, 3^4, 6^2\})$	64665216
12	$\mathcal{O}(3; \{2^6, 3^7, 6^2\})$	499685760
12	$\mathcal{O}(3; \{2^2, 3^{10}, 6^2\})$	4015122048
12	$\mathcal{O}(3; \{2^{11}, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^7, 3^4, 4^2, 6^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^7, 4^2, 6^2\})$	1015234560
12	$\mathcal{O}(3; \{2^8, 3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^4, 3^4, 4^4, 6^2\})$	525533184
12	$\mathcal{O}(3; \{3^7, 4^4, 6^2\})$	4060938240
12	$\mathcal{O}(3; \{2^5, 3, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2, 3^4, 4^6, 6^2\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{2^{11}, 3^2, 6^3\})$	29393280
12	$\mathcal{O}(3; \{2^7, 3^5, 6^3\})$	252782208
12	$\mathcal{O}(3; \{2^3, 3^8, 6^3\})$	2004621696
12	$\mathcal{O}(3; \{2^8, 3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^4, 3^5, 4^2, 6^3\})$	513589248
12	$\mathcal{O}(3; \{3^8, 4^2, 6^3\})$	4072882176
12	$\mathcal{O}(3; \{2^5, 3^2, 4^4, 6^3\})$	238878720
12	$\mathcal{O}(3; \{2, 3^5, 4^4, 6^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^2, 4^6, 6^3\})$	955514880
12	$\mathcal{O}(3; \{2^{12}, 6^4\})$	17635968
12	$\mathcal{O}(3; \{2^8, 3^3, 6^4\})$	123451776
12	$\mathcal{O}(3; \{2^4, 3^6, 6^4\})$	1005250176
12	$\mathcal{O}(3; \{3^9, 6^4\})$	8024365440

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^9, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 6^4\})$	250822656
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 6^4\})$	2042413056
12	$\mathcal{O}(3; \{2^6, 4^4, 6^4\})$	143327232
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 6^4\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 4^6, 6^4\})$	573308928
12	$\mathcal{O}(3; \{4^8, 6^4\})$	2293235712
12	$\mathcal{O}(3; \{2^9, 3, 6^5\})$	64665216
12	$\mathcal{O}(3; \{2^5, 3^4, 6^5\})$	499685760
12	$\mathcal{O}(3; \{2, 3^7, 6^5\})$	4015122048
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6^5\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6^5\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6^5\})$	525533184
12	$\mathcal{O}(3; \{3, 4^6, 6^5\})$	2102132736
12	$\mathcal{O}(3; \{2^6, 3^2, 6^6\})$	252782208
12	$\mathcal{O}(3; \{2^2, 3^5, 6^6\})$	2004621696
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^6\})$	513589248
12	$\mathcal{O}(3; \{3^2, 4^4, 6^6\})$	2054356992
12	$\mathcal{O}(3; \{2^7, 6^7\})$	123451776
12	$\mathcal{O}(3; \{2^3, 3^3, 6^7\})$	1005250176
12	$\mathcal{O}(3; \{2^4, 4^2, 6^7\})$	250822656
12	$\mathcal{O}(3; \{3^3, 4^2, 6^7\})$	2042413056
12	$\mathcal{O}(3; \{2, 4^4, 6^7\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3, 6^8\})$	499685760
12	$\mathcal{O}(3; \{3^4, 6^8\})$	4015122048
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^8\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^2, 6^9\})$	2004621696
12	$\mathcal{O}(3; \{2^2, 6^{10}\})$	1005250176
12	$\mathcal{O}(3; \{2^{14}, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^7, 4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^4, 4^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^7, 4^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^8, 3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^4, 4^5, 12\})$	955514880
12	$\mathcal{O}(3; \{3^7, 4^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 3, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2, 3^4, 4^7, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^5, 4, 6, 12\})$	250822656

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3^8, 4, 6, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^5, 4^3, 6, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^8, 4^3, 6, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3^2, 4^5, 6, 12\})$	573308928
12	$\mathcal{O}(3; \{2, 3^5, 4^5, 6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^2, 4^7, 6, 12\})$	2293235712
12	$\mathcal{O}(3; \{2^{12}, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^8, 3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^6, 4, 6^2, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^9, 4, 6^2, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^9, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^3, 4^3, 6^2, 12\})$	525533184
12	$\mathcal{O}(3; \{2, 3^6, 4^3, 6^2, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 4^5, 6^2, 12\})$	191102976
12	$\mathcal{O}(3; \{2^2, 3^3, 4^5, 6^2, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 4^7, 6^2, 12\})$	764411904
12	$\mathcal{O}(3; \{4^9, 6^2, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^9, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^4, 4, 6^3, 12\})$	513589248
12	$\mathcal{O}(3; \{2, 3^7, 4, 6^3, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^6, 3, 4^3, 6^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^4, 4^3, 6^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3, 4^5, 6^3, 12\})$	955514880
12	$\mathcal{O}(3; \{3, 4^7, 6^3, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 6^4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 6^4, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 6^4, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^2, 4^5, 6^4, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^7, 4, 6^5, 12\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6^5, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 4^3, 6^5, 12\})$	525533184
12	$\mathcal{O}(3; \{3^3, 4^3, 6^5, 12\})$	4060938240
12	$\mathcal{O}(3; \{2, 4^5, 6^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^6, 12\})$	513589248
12	$\mathcal{O}(3; \{3^4, 4, 6^6, 12\})$	4072882176
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^6, 12\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^7, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 4, 6^8, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^{15}, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^9, 12^2\})$	4072882176

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{12}, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^6, 4^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^9, 4^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^4, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2, 3^6, 4^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^7, 6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^{10}, 6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^4, 4^2, 6, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^7, 4^2, 6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3, 4^4, 6, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^4, 4^4, 6, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3, 4^6, 6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{3, 4^8, 6, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^9, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^5, 6^2, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^8, 6^2, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 6^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 6^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 6^2, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^2, 4^6, 6^2, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^{10}, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^3, 6^3, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^6, 6^3, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 4^2, 6^3, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6^3, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 4^4, 6^3, 12^2\})$	955514880
12	$\mathcal{O}(3; \{3^3, 4^4, 6^3, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2, 4^6, 6^3, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^7, 3, 6^4, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^4, 6^4, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^4, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{3^4, 4^2, 6^4, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^2, 6^5, 12^2\})$	1015234560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^5, 6^5, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^5, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^5, 6^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2, 3^3, 6^6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 4^2, 6^6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3, 6^7, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{6^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^9, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^5, 4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^8, 4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 3^2, 4^3, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^5, 4^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^2, 4^5, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{3^2, 4^7, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^{10}, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^3, 4, 6, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^6, 4, 6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 4^3, 6, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^3, 4^3, 6, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 4^5, 6, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{3^3, 4^5, 6, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2, 4^7, 6, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{2^7, 3, 4, 6^2, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 6^2, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 6^2, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{3^4, 4^3, 6^2, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2, 3, 4^5, 6^2, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6^3, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{3^5, 4, 6^3, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 4, 6^4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 4^3, 6^4, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^5, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{4, 6^7, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^{10}, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{3^4, 4^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2, 3, 4^6, 12^4\})$	15288238080

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3^2, 6, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^5, 6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{3^5, 4^2, 6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^8, 6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^3, 6^2, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{3^6, 6^2, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 4^2, 6^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 4^4, 6^2, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{2^5, 3, 6^3, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^4, 6^3, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^3, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^2, 6^4, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 6^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{4^2, 6^5, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3, 6^6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 4, 12^5\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{3^6, 4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 4^3, 12^5\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 4^5, 12^5\})$	15288238080
12	$\mathcal{O}(3; \{2^5, 3, 4, 6, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^4, 4, 6, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^2, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 4, 6^3, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{4^3, 6^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{3, 4, 6^4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{2^6, 6, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^3, 6, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 4^2, 6, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{4^4, 6, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{2^3, 3, 6^2, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{3, 4^2, 6^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{3^2, 6^3, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2, 6^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 3, 4, 12^7\})$	32869711872

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3, 4^3, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{3^2, 4, 6, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2, 4, 6^2, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{2^4, 12^8\})$	32869711872
12	$\mathcal{O}(3; \{3^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2, 4^2, 12^8\})$	131478847488
12	$\mathcal{O}(3; \{2, 3, 6, 12^8\})$	130714435584
12	$\mathcal{O}(2; \{2^{20}, 3^2\})$	38880
12	$\mathcal{O}(2; \{2^{16}, 3^5\})$	194400
12	$\mathcal{O}(2; \{2^{12}, 3^8\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^{11}\})$	13258080
12	$\mathcal{O}(2; \{2^4, 3^{14}\})$	106181280
12	$\mathcal{O}(2; \{3^{17}\})$	849333600
12	$\mathcal{O}(2; \{2^{17}, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^{11}, 4^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{14}, 4^2\})$	226520064
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^8, 4^4\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^4\})$	113135616
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^5, 4^6\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^8, 4^6\})$	57065472
12	$\mathcal{O}(2; \{2^8, 3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^5, 4^8\})$	26542080
12	$\mathcal{O}(2; \{3^8, 4^8\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^2, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2, 3^5, 4^{10}\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{2^{17}, 3^3, 6\})$	116640
12	$\mathcal{O}(2; \{2^{13}, 3^6, 6\})$	816480
12	$\mathcal{O}(2; \{2^9, 3^9, 6\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^{12}, 6\})$	53071200
12	$\mathcal{O}(2; \{2, 3^{15}, 6\})$	424686240
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^9, 4^2, 6\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^2, 6\})$	113218560
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^7, 3^6, 4^4, 6\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^9, 4^4, 6\})$	56733696

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^6, 4^6, 6\})$	27869184
12	$\mathcal{O}(2; \{3^9, 4^6, 6\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3^3, 4^8, 6\})$	15925248
12	$\mathcal{O}(2; \{2, 3^6, 4^8, 6\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{10}, 6\})$	63700992
12	$\mathcal{O}(2; \{2^{18}, 3, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^{14}, 3^4, 6^2\})$	427680
12	$\mathcal{O}(2; \{2^{10}, 3^7, 6^2\})$	3304800
12	$\mathcal{O}(2; \{2^6, 3^{10}, 6^2\})$	26555040
12	$\mathcal{O}(2; \{2^2, 3^{13}, 6^2\})$	212323680
12	$\mathcal{O}(2; \{2^{15}, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^7, 4^2, 6^2\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^2, 6^2\})$	56650752
12	$\mathcal{O}(2; \{2^{12}, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^8, 3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^7, 4^4, 6^2\})$	28200960
12	$\mathcal{O}(2; \{3^{10}, 4^4, 6^2\})$	226603008
12	$\mathcal{O}(2; \{2^9, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3^4, 4^6, 6^2\})$	14598144
12	$\mathcal{O}(2; \{2, 3^7, 4^6, 6^2\})$	112803840
12	$\mathcal{O}(2; \{2^6, 3, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^2, 3^4, 4^8, 6^2\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{3, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{2^{15}, 3^2, 6^3\})$	194400
12	$\mathcal{O}(2; \{2^{11}, 3^5, 6^3\})$	1671840
12	$\mathcal{O}(2; \{2^7, 3^8, 6^3\})$	13258080
12	$\mathcal{O}(2; \{2^3, 3^{11}, 6^3\})$	106181280
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^8, 3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^8, 4^2, 6^3\})$	28283904
12	$\mathcal{O}(2; \{3^{11}, 4^2, 6^3\})$	226520064
12	$\mathcal{O}(2; \{2^9, 3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^5, 3^5, 4^4, 6^3\})$	14266368
12	$\mathcal{O}(2; \{2, 3^8, 4^4, 6^3\})$	113135616
12	$\mathcal{O}(2; \{2^6, 3^2, 4^6, 6^3\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3^5, 4^6, 6^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^2, 4^8, 6^3\})$	26542080
12	$\mathcal{O}(2; \{3^2, 4^{10}, 6^3\})$	106168320
12	$\mathcal{O}(2; \{2^{16}, 6^4\})$	116640
12	$\mathcal{O}(2; \{2^{12}, 3^3, 6^4\})$	816480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3^6, 6^4\})$	6648480
12	$\mathcal{O}(2; \{2^4, 3^9, 6^4\})$	53071200
12	$\mathcal{O}(2; \{3^{12}, 6^4\})$	424686240
12	$\mathcal{O}(2; \{2^{13}, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 6^4\})$	14183424
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 6^4\})$	113218560
12	$\mathcal{O}(2; \{2^{10}, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 6^4\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 6^4\})$	56733696
12	$\mathcal{O}(2; \{2^7, 4^6, 6^4\})$	3981312
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 6^4\})$	27869184
12	$\mathcal{O}(2; \{2^4, 4^8, 6^4\})$	15925248
12	$\mathcal{O}(2; \{3^3, 4^8, 6^4\})$	111476736
12	$\mathcal{O}(2; \{2, 4^{10}, 6^4\})$	63700992
12	$\mathcal{O}(2; \{2^{13}, 3, 6^5\})$	427680
12	$\mathcal{O}(2; \{2^9, 3^4, 6^5\})$	3304800
12	$\mathcal{O}(2; \{2^5, 3^7, 6^5\})$	26555040
12	$\mathcal{O}(2; \{2, 3^{10}, 6^5\})$	212323680
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6^5\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6^5\})$	56650752
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6^5\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6^5\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6^5\})$	14598144
12	$\mathcal{O}(2; \{3^4, 4^6, 6^5\})$	112803840
12	$\mathcal{O}(2; \{2, 3, 4^8, 6^5\})$	58392576
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6^6\})$	1671840
12	$\mathcal{O}(2; \{2^6, 3^5, 6^6\})$	13258080
12	$\mathcal{O}(2; \{2^2, 3^8, 6^6\})$	106181280
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^6\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^6\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^6\})$	14266368
12	$\mathcal{O}(2; \{3^5, 4^4, 6^6\})$	113135616
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^6\})$	57065472
12	$\mathcal{O}(2; \{2^{11}, 6^7\})$	816480
12	$\mathcal{O}(2; \{2^7, 3^3, 6^7\})$	6648480
12	$\mathcal{O}(2; \{2^3, 3^6, 6^7\})$	53071200
12	$\mathcal{O}(2; \{2^8, 4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^7\})$	14183424
12	$\mathcal{O}(2; \{3^6, 4^2, 6^7\})$	113218560
12	$\mathcal{O}(2; \{2^5, 4^4, 6^7\})$	6967296
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^7\})$	56733696

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^6, 6^7\})$	27869184
12	$\mathcal{O}(2; \{2^8, 3, 6^8\})$	3304800
12	$\mathcal{O}(2; \{2^4, 3^4, 6^8\})$	26555040
12	$\mathcal{O}(2; \{3^7, 6^8\})$	212323680
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^8\})$	7050240
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^8\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^8\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^2, 6^9\})$	13258080
12	$\mathcal{O}(2; \{2, 3^5, 6^9\})$	106181280
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^9\})$	28283904
12	$\mathcal{O}(2; \{2^6, 6^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^2, 3^3, 6^{10}\})$	53071200
12	$\mathcal{O}(2; \{2^3, 4^2, 6^{10}\})$	14183424
12	$\mathcal{O}(2; \{4^4, 6^{10}\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3, 6^{11}\})$	26555040
12	$\mathcal{O}(2; \{3, 4^2, 6^{11}\})$	56650752
12	$\mathcal{O}(2; \{3^2, 6^{12}\})$	106181280
12	$\mathcal{O}(2; \{2, 6^{13}\})$	53071200
12	$\mathcal{O}(2; \{2^{18}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^7, 4^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^3, 12\})$	113135616
12	$\mathcal{O}(2; \{2^{12}, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^7, 4^5, 12\})$	57065472
12	$\mathcal{O}(2; \{3^{10}, 4^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2^9, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^4, 4^7, 12\})$	26542080
12	$\mathcal{O}(2; \{2, 3^7, 4^7, 12\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^4, 4^9, 12\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{3, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^8, 4, 6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4, 6, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^3, 6, 12\})$	995328

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^8, 4^3, 6, 12\})$	56733696
12	$\mathcal{O}(2; \{3^{11}, 4^3, 6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^5, 4^5, 6, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^8, 4^5, 6, 12\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3^2, 4^7, 6, 12\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^5, 4^7, 6, 12\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^2, 4^9, 6, 12\})$	63700992
12	$\mathcal{O}(2; \{3^2, 4^{11}, 6, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{16}, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^9, 4, 6^2, 12\})$	56650752
12	$\mathcal{O}(2; \{3^{12}, 4, 6^2, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{13}, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2^9, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^6, 4^3, 6^2, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^9, 4^3, 6^2, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{10}, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^3, 4^5, 6^2, 12\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^6, 4^5, 6^2, 12\})$	112803840
12	$\mathcal{O}(2; \{2^7, 4^7, 6^2, 12\})$	5308416
12	$\mathcal{O}(2; \{2^3, 3^3, 4^7, 6^2, 12\})$	58392576
12	$\mathcal{O}(2; \{2^4, 4^9, 6^2, 12\})$	21233664
12	$\mathcal{O}(2; \{3^3, 4^9, 6^2, 12\})$	233570304
12	$\mathcal{O}(2; \{2, 4^{11}, 6^2, 12\})$	84934656
12	$\mathcal{O}(2; \{2^{13}, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^7, 4, 6^3, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{10}, 4, 6^3, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{10}, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^4, 4^3, 6^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^7, 4^3, 6^3, 12\})$	113135616
12	$\mathcal{O}(2; \{2^7, 3, 4^5, 6^3, 12\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^4, 4^5, 6^3, 12\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3, 4^7, 6^3, 12\})$	26542080
12	$\mathcal{O}(2; \{3^4, 4^7, 6^3, 12\})$	228261888
12	$\mathcal{O}(2; \{2, 3, 4^9, 6^3, 12\})$	106168320
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 6^4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 6^4, 12\})$	113218560
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 6^4, 12\})$	6967296

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 6^4, 12\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 6^4, 12\})$	27869184
12	$\mathcal{O}(2; \{3^5, 4^5, 6^4, 12\})$	226934784
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 6^4, 12\})$	111476736
12	$\mathcal{O}(2; \{2^{11}, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6^5, 12\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6^5, 12\})$	56650752
12	$\mathcal{O}(2; \{2^8, 4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6^5, 12\})$	28200960
12	$\mathcal{O}(2; \{3^6, 4^3, 6^5, 12\})$	226603008
12	$\mathcal{O}(2; \{2^5, 4^5, 6^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6^5, 12\})$	112803840
12	$\mathcal{O}(2; \{2^2, 4^7, 6^5, 12\})$	58392576
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^6, 12\})$	28283904
12	$\mathcal{O}(2; \{3^7, 4, 6^6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^6, 12\})$	14266368
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^6, 12\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^6, 12\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^7, 12\})$	14183424
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^7, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^7, 12\})$	56733696
12	$\mathcal{O}(2; \{2^6, 4, 6^8, 12\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^8, 12\})$	56650752
12	$\mathcal{O}(2; \{2^3, 4^3, 6^8, 12\})$	28200960
12	$\mathcal{O}(2; \{4^5, 6^8, 12\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^9, 12\})$	28283904
12	$\mathcal{O}(2; \{3, 4^3, 6^9, 12\})$	113135616
12	$\mathcal{O}(2; \{3^2, 4, 6^{10}, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 4, 6^{11}, 12\})$	56650752
12	$\mathcal{O}(2; \{2^{19}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^9, 4^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^{12}, 4^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^6, 4^4, 12^2\})$	57065472

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^9, 4^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^3, 4^6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^6, 4^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^7, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^8, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2^4, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^{10}, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{10}, 6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^{13}, 6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^7, 4^2, 6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{10}, 4^2, 6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^4, 4^4, 6, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^7, 4^4, 6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3, 4^6, 6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^4, 4^6, 6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3, 4^8, 6, 12^2\})$	63700992
12	$\mathcal{O}(2; \{3^4, 4^8, 6, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2, 3, 4^{10}, 6, 12^2\})$	254803968
12	$\mathcal{O}(2; \{2^{13}, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^8, 6^2, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{11}, 6^2, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 6^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 6^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 6^2, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 6^2, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 6^2, 12^2\})$	58392576
12	$\mathcal{O}(2; \{3^5, 4^6, 6^2, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 6^2, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{14}, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^6, 6^3, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^9, 6^3, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6^3, 12^2\})$	1658880

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6^3, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6^3, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^8, 4^4, 6^3, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6^3, 12^2\})$	57065472
12	$\mathcal{O}(2; \{3^6, 4^4, 6^3, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^5, 4^6, 6^3, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6^3, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^2, 4^8, 6^3, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2^{11}, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^4, 6^4, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^7, 6^4, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^4, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^4, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3^7, 4^2, 6^4, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^4, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^8, 3^2, 6^5, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^5, 6^5, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^8, 6^5, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^5, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^5, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^5, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^9, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^3, 6^6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^6, 6^6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^6, 4^2, 6^6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^3, 4^4, 6^6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{4^6, 6^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3, 6^7, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^4, 6^7, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^7, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3, 4^4, 6^7, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^2, 6^8, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^2, 4^2, 6^8, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^4, 6^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{3^3, 6^9, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 4^2, 6^9, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3, 6^{10}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^8, 4, 12^3\})$	113135616

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^{11}, 4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^5, 4^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^8, 4^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^7, 3^2, 4^5, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^5, 4^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^2, 4^7, 12^3\})$	106168320
12	$\mathcal{O}(2; \{3^5, 4^7, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2, 3^2, 4^9, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{14}, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^6, 4, 6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^9, 4, 6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^3, 4^3, 6, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^6, 4^3, 6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^8, 4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^3, 4^5, 6, 12^3\})$	111476736
12	$\mathcal{O}(2; \{3^6, 4^5, 6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^5, 4^7, 6, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2, 3^3, 4^7, 6, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^2, 4^9, 6, 12^3\})$	254803968
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 6^2, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 6^2, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 6^2, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3^7, 4^3, 6^2, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 6^2, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 6^2, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 6^2, 12^3\})$	233570304
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6^3, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6^3, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^8, 4, 6^3, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6^3, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^9, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^6, 4^3, 6^4, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^4, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^3, 4^5, 6^4, 12^3\})$	111476736

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{4^7, 6^4, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^5, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^5, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^5, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3, 4^5, 6^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^2, 4^3, 6^6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^4, 4, 6^7, 12^3\})$	56733696
12	$\mathcal{O}(2; \{3^3, 4, 6^7, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2, 4^3, 6^7, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3, 4, 6^8, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^{14}, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3^7, 4^4, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 12^4\})$	424673280
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^5, 6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^8, 6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^8, 4^2, 6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2^{12}, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^6, 6^2, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^9, 6^2, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^6, 4^4, 6^2, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^2, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^3, 4^6, 6^2, 12^4\})$	233570304

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{4^8, 6^2, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^9, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^4, 6^3, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^7, 6^3, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^3, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^3, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^3, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3, 4^6, 6^3, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^6, 3^2, 6^4, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^5, 6^4, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^4, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^2, 4^4, 6^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^7, 6^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^3, 6^5, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^4, 4^2, 6^5, 12^4\})$	112803840
12	$\mathcal{O}(2; \{3^3, 4^2, 6^5, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2, 4^4, 6^5, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3, 6^6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{3^4, 6^6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3^2, 6^7, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^2, 6^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^9, 4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 4^5, 12^5\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^3, 4^7, 12^5\})$	424673280
12	$\mathcal{O}(2; \{4^9, 12^5\})$	1698693120
12	$\mathcal{O}(2; \{2^9, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^7, 4, 6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6, 12^5\})$	445906944
12	$\mathcal{O}(2; \{3, 4^7, 6, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^2, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^2, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^2, 12^5\})$	451215360

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 4^5, 6^2, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^7, 4, 6^3, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^3, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^4, 4^3, 6^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{3^3, 4^3, 6^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2, 4^5, 6^3, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{3^4, 4, 6^4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^4, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^5, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^2, 4, 6^6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^9, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 12^6\})$	913047552
12	$\mathcal{O}(2; \{3^2, 4^6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^{10}, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^3, 6, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^6, 6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 4^2, 6, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2^4, 4^4, 6, 12^6\})$	445906944
12	$\mathcal{O}(2; \{3^3, 4^4, 6, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2, 4^6, 6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{2^7, 3, 6^2, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^4, 6^2, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{3^4, 4^2, 6^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^2, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 3^2, 6^3, 12^6\})$	452542464
12	$\mathcal{O}(2; \{3^5, 6^3, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^3, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 6^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2, 3^3, 6^4, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 4^2, 6^4, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3, 6^5, 12^6\})$	906412032
12	$\mathcal{O}(2; \{6^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 3, 4, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 12^7\})$	913047552
12	$\mathcal{O}(2; \{3^4, 4^3, 12^7\})$	7240679424

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 4^5, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6, 12^7\})$	907739136
12	$\mathcal{O}(2; \{3^5, 4, 6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 4, 6^2, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^2, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 4^3, 6^2, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^3, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{4, 6^5, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^8, 12^8\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{3^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 4^2, 12^8\})$	913047552
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 4^4, 12^8\})$	3652190208
12	$\mathcal{O}(2; \{2^5, 3, 6, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2, 3^4, 6, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 6^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{4^2, 6^3, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{3, 6^4, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 4, 6, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{4^3, 6, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{3, 4, 6^2, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 3, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{3, 4^2, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{3^2, 6, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2, 6^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{2, 4, 12^{11}\})$	28962717696
12	$\mathcal{O}(1; \{2^{24}, 3^2\})$	216
12	$\mathcal{O}(1; \{2^{20}, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^{16}, 3^8\})$	9288
12	$\mathcal{O}(1; \{2^{12}, 3^{11}\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^{14}\})$	589896
12	$\mathcal{O}(1; \{2^4, 3^{17}\})$	4718520
12	$\mathcal{O}(1; \{3^{20}\})$	37748808
12	$\mathcal{O}(1; \{2^{21}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{14}, 4^2\})$	1573056

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^{17}, 4^2\})$	12582720
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^4\})$	6292224
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^8, 4^6\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^6\})$	3142656
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^8, 4^8\})$	1585152
12	$\mathcal{O}(1; \{3^{11}, 4^8\})$	12570624
12	$\mathcal{O}(1; \{2^9, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^5, 4^{10}\})$	737280
12	$\mathcal{O}(1; \{2, 3^8, 4^{10}\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{12}\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{3^2, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{2^{21}, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{2^{17}, 3^6, 6\})$	4536
12	$\mathcal{O}(1; \{2^{13}, 3^9, 6\})$	36936
12	$\mathcal{O}(1; \{2^9, 3^{12}, 6\})$	294840
12	$\mathcal{O}(1; \{2^5, 3^{15}, 6\})$	2359368
12	$\mathcal{O}(1; \{2, 3^{18}, 6\})$	18874296
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^2, 6\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^2, 6\})$	6291648
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^9, 4^4, 6\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^4, 6\})$	3144960
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^8, 3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^9, 4^6, 6\})$	1575936
12	$\mathcal{O}(1; \{3^{12}, 4^6, 6\})$	12579840
12	$\mathcal{O}(1; \{2^9, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^5, 3^6, 4^8, 6\})$	774144
12	$\mathcal{O}(1; \{2, 3^9, 4^8, 6\})$	6303744

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{10}, 6\})$	442368
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{10}, 6\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{12}, 6\})$	1769472
12	$\mathcal{O}(1; \{3^3, 4^{14}, 6\})$	7077888
12	$\mathcal{O}(1; \{2^{22}, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{18}, 3^4, 6^2\})$	2376
12	$\mathcal{O}(1; \{2^{14}, 3^7, 6^2\})$	18360
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6^2\})$	147528
12	$\mathcal{O}(1; \{2^6, 3^{13}, 6^2\})$	1179576
12	$\mathcal{O}(1; \{2^2, 3^{16}, 6^2\})$	9437256
12	$\mathcal{O}(1; \{2^{19}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^2, 6^2\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^2, 6^2\})$	3145536
12	$\mathcal{O}(1; \{2^{16}, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^4, 6^2\})$	1573632
12	$\mathcal{O}(1; \{3^{13}, 4^4, 6^2\})$	12582144
12	$\mathcal{O}(1; \{2^{13}, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^9, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^7, 4^6, 6^2\})$	783360
12	$\mathcal{O}(1; \{2, 3^{10}, 4^6, 6^2\})$	6294528
12	$\mathcal{O}(1; \{2^{10}, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^6, 3^4, 4^8, 6^2\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^7, 4^8, 6^2\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{10}, 6^2\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{3^4, 4^{12}, 6^2\})$	6488064
12	$\mathcal{O}(1; \{2, 3, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{2^{19}, 3^2, 6^3\})$	1080
12	$\mathcal{O}(1; \{2^{15}, 3^5, 6^3\})$	9288
12	$\mathcal{O}(1; \{2^{11}, 3^8, 6^3\})$	73656
12	$\mathcal{O}(1; \{2^7, 3^{11}, 6^3\})$	589896
12	$\mathcal{O}(1; \{2^3, 3^{14}, 6^3\})$	4718520
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^2, 6^3\})$	1573056
12	$\mathcal{O}(1; \{3^{14}, 4^2, 6^3\})$	12582720
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^4, 6^3\})$	11520

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^8, 4^4, 6^3\})$	785664
12	$\mathcal{O}(1; \{2, 3^{11}, 4^4, 6^3\})$	6292224
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^6, 3^5, 4^6, 6^3\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^8, 4^6, 6^3\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^2, 4^8, 6^3\})$	184320
12	$\mathcal{O}(1; \{2^3, 3^5, 4^8, 6^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{10}, 6^3\})$	737280
12	$\mathcal{O}(1; \{3^5, 4^{10}, 6^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^2, 4^{12}, 6^3\})$	2949120
12	$\mathcal{O}(1; \{2^{20}, 6^4\})$	648
12	$\mathcal{O}(1; \{2^{16}, 3^3, 6^4\})$	4536
12	$\mathcal{O}(1; \{2^{12}, 3^6, 6^4\})$	36936
12	$\mathcal{O}(1; \{2^8, 3^9, 6^4\})$	294840
12	$\mathcal{O}(1; \{2^4, 3^{12}, 6^4\})$	2359368
12	$\mathcal{O}(1; \{3^{15}, 6^4\})$	18874296
12	$\mathcal{O}(1; \{2^{17}, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 6^4\})$	786240
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 6^4\})$	6291648
12	$\mathcal{O}(1; \{2^{14}, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 6^4\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 6^4\})$	3144960
12	$\mathcal{O}(1; \{2^{11}, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 6^4\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 6^4\})$	1575936
12	$\mathcal{O}(1; \{2^8, 4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 6^4\})$	774144
12	$\mathcal{O}(1; \{3^6, 4^8, 6^4\})$	6303744
12	$\mathcal{O}(1; \{2^5, 4^{10}, 6^4\})$	442368
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 6^4\})$	3096576
12	$\mathcal{O}(1; \{2^2, 4^{12}, 6^4\})$	1769472
12	$\mathcal{O}(1; \{2^{17}, 3, 6^5\})$	2376
12	$\mathcal{O}(1; \{2^{13}, 3^4, 6^5\})$	18360
12	$\mathcal{O}(1; \{2^9, 3^7, 6^5\})$	147528
12	$\mathcal{O}(1; \{2^5, 3^{10}, 6^5\})$	1179576
12	$\mathcal{O}(1; \{2, 3^{13}, 6^5\})$	9437256
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6^5\})$	393408

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6^5\})$	3145536
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6^5\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6^5\})$	1573632
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6^5\})$	783360
12	$\mathcal{O}(1; \{3^7, 4^6, 6^5\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6^5\})$	405504
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6^5\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6^5\})$	1622016
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6^6\})$	9288
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6^6\})$	73656
12	$\mathcal{O}(1; \{2^6, 3^8, 6^6\})$	589896
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6^6\})$	4718520
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^6\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^6\})$	1573056
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^6\})$	785664
12	$\mathcal{O}(1; \{3^8, 4^4, 6^6\})$	6292224
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^6\})$	396288
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^6\})$	1585152
12	$\mathcal{O}(1; \{2^{15}, 6^7\})$	4536
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^7\})$	36936
12	$\mathcal{O}(1; \{2^7, 3^6, 6^7\})$	294840
12	$\mathcal{O}(1; \{2^3, 3^9, 6^7\})$	2359368
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^7\})$	786240
12	$\mathcal{O}(1; \{3^9, 4^2, 6^7\})$	6291648
12	$\mathcal{O}(1; \{2^9, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^7\})$	393984
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^7\})$	3144960
12	$\mathcal{O}(1; \{2^6, 4^6, 6^7\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^7\})$	1575936
12	$\mathcal{O}(1; \{2^3, 4^8, 6^7\})$	774144
12	$\mathcal{O}(1; \{4^{10}, 6^7\})$	3096576
12	$\mathcal{O}(1; \{2^{12}, 3, 6^8\})$	18360
12	$\mathcal{O}(1; \{2^8, 3^4, 6^8\})$	147528
12	$\mathcal{O}(1; \{2^4, 3^7, 6^8\})$	1179576
12	$\mathcal{O}(1; \{3^{10}, 6^8\})$	9437256
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^8\})$	48960

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^8\})$	393408
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^8\})$	3145536
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^8\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^8\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^8\})$	783360
12	$\mathcal{O}(1; \{3, 4^8, 6^8\})$	3133440
12	$\mathcal{O}(1; \{2^9, 3^2, 6^9\})$	73656
12	$\mathcal{O}(1; \{2^5, 3^5, 6^9\})$	589896
12	$\mathcal{O}(1; \{2, 3^8, 6^9\})$	4718520
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^9\})$	196416
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^9\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^9\})$	785664
12	$\mathcal{O}(1; \{3^2, 4^6, 6^9\})$	3142656
12	$\mathcal{O}(1; \{2^{10}, 6^{10}\})$	36936
12	$\mathcal{O}(1; \{2^6, 3^3, 6^{10}\})$	294840
12	$\mathcal{O}(1; \{2^2, 3^6, 6^{10}\})$	2359368
12	$\mathcal{O}(1; \{2^7, 4^2, 6^{10}\})$	98496
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^{10}\})$	786240
12	$\mathcal{O}(1; \{2^4, 4^4, 6^{10}\})$	393984
12	$\mathcal{O}(1; \{3^3, 4^4, 6^{10}\})$	3144960
12	$\mathcal{O}(1; \{2, 4^6, 6^{10}\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3, 6^{11}\})$	147528
12	$\mathcal{O}(1; \{2^3, 3^4, 6^{11}\})$	1179576
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^{11}\})$	393408
12	$\mathcal{O}(1; \{3^4, 4^2, 6^{11}\})$	3145536
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^{11}\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^2, 6^{12}\})$	589896
12	$\mathcal{O}(1; \{3^5, 6^{12}\})$	4718520
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^{12}\})$	1573056
12	$\mathcal{O}(1; \{2^5, 6^{13}\})$	294840
12	$\mathcal{O}(1; \{2, 3^3, 6^{13}\})$	2359368
12	$\mathcal{O}(1; \{2^2, 4^2, 6^{13}\})$	786240
12	$\mathcal{O}(1; \{2^2, 3, 6^{14}\})$	1179576
12	$\mathcal{O}(1; \{6^{16}\})$	2359368
12	$\mathcal{O}(1; \{2^{22}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^3, 12\})$	99072

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{16}, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^5, 12\})$	3142656
12	$\mathcal{O}(1; \{3^{13}, 4^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^7, 4^7, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^{10}, 4^7, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^4, 4^9, 12\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^7, 4^9, 12\})$	6340608
12	$\mathcal{O}(1; \{2^7, 3, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{11}, 12\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{3^4, 4^{13}, 12\})$	11796480
12	$\mathcal{O}(1; \{2, 3, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4, 6, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4, 6, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^3, 6, 12\})$	3144960
12	$\mathcal{O}(1; \{3^{14}, 4^3, 6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^8, 4^5, 6, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{11}, 4^5, 6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^5, 4^7, 6, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^8, 4^7, 6, 12\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^2, 4^9, 6, 12\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^5, 4^9, 6, 12\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{11}, 6, 12\})$	1769472
12	$\mathcal{O}(1; \{3^5, 4^{11}, 6, 12\})$	12386304
12	$\mathcal{O}(1; \{2, 3^2, 4^{13}, 6, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{20}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4, 6^2, 12\})$	6336

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4, 6^2, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{15}, 4, 6^2, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{17}, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^9, 4^3, 6^2, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{12}, 4^3, 6^2, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{14}, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^6, 4^5, 6^2, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^9, 4^5, 6^2, 12\})$	6294528
12	$\mathcal{O}(1; \{2^{11}, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^3, 4^7, 6^2, 12\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^6, 4^7, 6^2, 12\})$	3133440
12	$\mathcal{O}(1; \{2^8, 4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^4, 3^3, 4^9, 6^2, 12\})$	1622016
12	$\mathcal{O}(1; \{3^6, 4^9, 6^2, 12\})$	12533760
12	$\mathcal{O}(1; \{2^5, 4^{11}, 6^2, 12\})$	589824
12	$\mathcal{O}(1; \{2, 3^3, 4^{11}, 6^2, 12\})$	6488064
12	$\mathcal{O}(1; \{2^2, 4^{13}, 6^2, 12\})$	2359296
12	$\mathcal{O}(1; \{2^{17}, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4, 6^3, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{13}, 4, 6^3, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{14}, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^7, 4^3, 6^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^3, 6^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{11}, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^4, 4^5, 6^3, 12\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^7, 4^5, 6^3, 12\})$	3142656
12	$\mathcal{O}(1; \{2^8, 3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^4, 4^7, 6^3, 12\})$	1585152
12	$\mathcal{O}(1; \{3^7, 4^7, 6^3, 12\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3, 4^9, 6^3, 12\})$	737280
12	$\mathcal{O}(1; \{2, 3^4, 4^9, 6^3, 12\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3, 4^{11}, 6^3, 12\})$	2949120
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 6^4, 12\})$	786240

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 6^4, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 6^4, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 6^4, 12\})$	3144960
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 6^4, 12\})$	1575936
12	$\mathcal{O}(1; \{3^8, 4^5, 6^4, 12\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 6^4, 12\})$	774144
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 6^4, 12\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 6^4, 12\})$	3096576
12	$\mathcal{O}(1; \{2^{15}, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6^5, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6^5, 12\})$	3145536
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6^5, 12\})$	1573632
12	$\mathcal{O}(1; \{3^9, 4^3, 6^5, 12\})$	12582144
12	$\mathcal{O}(1; \{2^9, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6^5, 12\})$	783360
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6^5, 12\})$	6294528
12	$\mathcal{O}(1; \{2^6, 4^7, 6^5, 12\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6^5, 12\})$	3133440
12	$\mathcal{O}(1; \{2^3, 4^9, 6^5, 12\})$	1622016
12	$\mathcal{O}(1; \{4^{11}, 6^5, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^6, 12\})$	1573056
12	$\mathcal{O}(1; \{3^{10}, 4, 6^6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^6, 12\})$	785664
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^6, 12\})$	6292224
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^6, 12\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^6, 12\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^6, 12\})$	1585152
12	$\mathcal{O}(1; \{3, 4^9, 6^6, 12\})$	6340608
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^7, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^7, 12\})$	6291648
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^7, 12\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^7, 12\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^7, 12\})$	1575936
12	$\mathcal{O}(1; \{3^2, 4^7, 6^7, 12\})$	6303744

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^8, 12\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^8, 12\})$	3145536
12	$\mathcal{O}(1; \{2^7, 4^3, 6^8, 12\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^8, 12\})$	1573632
12	$\mathcal{O}(1; \{2^4, 4^5, 6^8, 12\})$	783360
12	$\mathcal{O}(1; \{3^3, 4^5, 6^8, 12\})$	6294528
12	$\mathcal{O}(1; \{2, 4^7, 6^8, 12\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^9, 12\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^9, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^9, 12\})$	785664
12	$\mathcal{O}(1; \{3^4, 4^3, 6^9, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^9, 12\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^{10}, 12\})$	786240
12	$\mathcal{O}(1; \{3^5, 4, 6^{10}, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^{10}, 12\})$	3144960
12	$\mathcal{O}(1; \{2^5, 4, 6^{11}, 12\})$	393408
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^{11}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 4^3, 6^{11}, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^{12}, 12\})$	1573056
12	$\mathcal{O}(1; \{4, 6^{14}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^{23}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{15}, 4^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^9, 4^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{12}, 4^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^6, 4^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^9, 4^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 4^8, 12^2\})$	147456

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^3, 4^8, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^6, 4^8, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^8, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{10}, 12^2\})$	2949120
12	$\mathcal{O}(1; \{3^6, 4^{10}, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^5, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{12}, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^2, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{13}, 6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{16}, 6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^2, 6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{13}, 4^2, 6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^7, 4^4, 6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^4, 6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^4, 4^6, 6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^7, 4^6, 6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3, 4^8, 6, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^4, 4^8, 6, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3^7, 4^8, 6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3, 4^{10}, 6, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2, 3^4, 4^{10}, 6, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3, 4^{12}, 6, 12^2\})$	7077888
12	$\mathcal{O}(1; \{2^{17}, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{11}, 6^2, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{14}, 6^2, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 6^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 6^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 6^2, 12^2\})$	783360

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 6^2, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 6^2, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^8, 4^6, 6^2, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 6^2, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 6^2, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 6^2, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2^{18}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^9, 6^3, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{12}, 6^3, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6^3, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6^3, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6^3, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^9, 4^4, 6^3, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^9, 4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6^3, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6^3, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^6, 4^8, 6^3, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6^3, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6^3, 12^2\})$	2949120
12	$\mathcal{O}(1; \{4^{12}, 6^3, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{15}, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^7, 6^4, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6^4, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^4, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^4, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^4, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^4, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^4, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3, 4^{10}, 6^4, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^5, 12^2\})$	48960

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^8, 6^5, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^{11}, 6^5, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^5, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^5, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^5, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^5, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^5, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^2, 4^8, 6^5, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{13}, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^6, 6^6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^9, 6^6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^7, 4^4, 6^6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^4, 4^6, 6^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{3^3, 4^6, 6^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2, 4^8, 6^6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^{10}, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^4, 6^7, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^7, 6^7, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^7, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^7, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^7, 12^2\})$	1575936
12	$\mathcal{O}(1; \{3^4, 4^4, 6^7, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^7, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^2, 6^8, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^5, 6^8, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^8, 12^2\})$	1573632
12	$\mathcal{O}(1; \{3^5, 4^2, 6^8, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^8, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^8, 6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^3, 6^9, 12^2\})$	1573056
12	$\mathcal{O}(1; \{3^6, 6^9, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^5, 4^2, 6^9, 12^2\})$	785664
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^9, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 4^4, 6^9, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3, 6^{10}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2, 3^4, 6^{10}, 12^2\})$	6291648

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^{10}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^2, 6^{11}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 6^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{4^2, 6^{12}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3, 6^{13}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{14}, 4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^8, 4^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^5, 4^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^8, 4^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^5, 4^7, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^8, 4^7, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^2, 4^9, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2, 3^5, 4^9, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{11}, 12^3\})$	11796480
12	$\mathcal{O}(1; \{2^{18}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^9, 4, 6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4, 6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^6, 4^3, 6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^9, 4^3, 6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^6, 4^5, 6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^9, 4^5, 6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^9, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^3, 4^7, 6, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2, 3^6, 4^7, 6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^6, 4^9, 6, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^3, 4^9, 6, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^3, 4^{11}, 6, 12^3\})$	7077888
12	$\mathcal{O}(1; \{4^{13}, 6, 12^3\})$	28311552

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 6^2, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 6^2, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 6^2, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^{10}, 4^3, 6^2, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 6^2, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 6^2, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 6^2, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 6^2, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 6^2, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 6^2, 12^3\})$	6488064
12	$\mathcal{O}(1; \{3, 4^{11}, 6^2, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6^3, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^{11}, 4, 6^3, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6^3, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6^3, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6^3, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^2, 4^9, 6^3, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{13}, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^4, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^4, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^7, 4^5, 6^4, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^4, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^4, 4^7, 6^4, 12^3\})$	3096576
12	$\mathcal{O}(1; \{3^3, 4^7, 6^4, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2, 4^9, 6^4, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^5, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^5, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^5, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^5, 12^3\})$	6294528

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{3^4, 4^5, 6^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^5, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{3^5, 4^3, 6^6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^8, 4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^7, 12^3\})$	3144960
12	$\mathcal{O}(1; \{3^6, 4, 6^7, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^5, 4^3, 6^7, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^7, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^2, 4^5, 6^7, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^8, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^8, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^8, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^9, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^3, 4, 6^{10}, 12^3\})$	3144960
12	$\mathcal{O}(1; \{4^3, 6^{10}, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3, 4, 6^{11}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{18}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{13}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^{10}, 4^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 12^4\})$	11796480
12	$\mathcal{O}(1; \{3, 4^{12}, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6, 12^4\})$	393984

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^8, 6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{16}, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^9, 6^2, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^{12}, 6^2, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^2, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^2, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^7, 4^6, 6^2, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^2, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2^4, 4^8, 6^2, 12^4\})$	6488064
12	$\mathcal{O}(1; \{3^3, 4^8, 6^2, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2, 4^{10}, 6^2, 12^4\})$	25952256
12	$\mathcal{O}(1; \{2^{13}, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^7, 6^3, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{10}, 6^3, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^3, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^3, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^3, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^3, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^3, 12^4\})$	6340608
12	$\mathcal{O}(1; \{3^4, 4^6, 6^3, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^3, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^4, 12^4\})$	393984

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^5, 6^4, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^8, 6^4, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^4, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^4, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{3^5, 4^4, 6^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^4, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^{11}, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^3, 6^5, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^6, 6^5, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^8, 4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^5, 12^4\})$	6294528
12	$\mathcal{O}(1; \{3^6, 4^2, 6^5, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^5, 4^4, 6^5, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^5, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^2, 4^6, 6^5, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^4, 6^6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3^7, 6^6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^2, 6^7, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2, 3^5, 6^7, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^7, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^6, 6^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^3, 6^8, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^3, 4^2, 6^8, 12^4\})$	6294528
12	$\mathcal{O}(1; \{4^4, 6^8, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3, 6^9, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3, 4^2, 6^9, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^2, 6^{10}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 6^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^{12}, 4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 4^5, 12^5\})$	737280

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^7, 4^7, 12^5\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2^4, 4^9, 12^5\})$	11796480
12	$\mathcal{O}(1; \{3^3, 4^9, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2, 4^{11}, 12^5\})$	47185920
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6, 12^5\})$	12386304
12	$\mathcal{O}(1; \{3^4, 4^7, 6, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2, 3, 4^9, 6, 12^5\})$	49545216
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^2, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^2, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^2, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^2, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^2, 12^5\})$	12533760
12	$\mathcal{O}(1; \{3^5, 4^5, 6^2, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^2, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^{11}, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^3, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^3, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^8, 4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{3^6, 4^3, 6^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^5, 4^5, 6^3, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^3, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^2, 4^7, 6^3, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3^7, 4, 6^4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^4, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^4, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^4, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^5, 12^5\})$	6294528

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^5, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^5, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^6, 4, 6^6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^3, 4^3, 6^6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{4^5, 6^6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^7, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3, 4^3, 6^7, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^2, 4, 6^8, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2, 4, 6^9, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{11}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{3^5, 4^6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 12^6\})$	101449728
12	$\mathcal{O}(1; \{2^{14}, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^6, 6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^9, 6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^8, 4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6, 12^6\})$	25214976
12	$\mathcal{O}(1; \{3^6, 4^4, 6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^5, 4^6, 6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^2, 4^8, 6, 12^6\})$	49545216
12	$\mathcal{O}(1; \{2^{11}, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^4, 6^2, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^7, 6^2, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3^7, 4^2, 6^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^2, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^2, 12^6\})$	100712448

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^2, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2^8, 3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^5, 6^3, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^8, 6^3, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^3, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^3, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^3, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^9, 6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^3, 6^4, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2, 3^6, 6^4, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^6, 4^2, 6^4, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^4, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^3, 4^4, 6^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{4^6, 6^4, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^6, 3, 6^5, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^4, 6^5, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^5, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3, 4^4, 6^5, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^2, 6^6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^2, 4^2, 6^6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^4, 6^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{3^3, 6^7, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2, 4^2, 6^7, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3, 6^8, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3^7, 4^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 12^7\})$	101449728
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^8, 4, 6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2^9, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^2, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^2, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^6, 4^3, 6^2, 12^7\})$	12533760

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^2, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^3, 4^5, 6^2, 12^7\})$	50135040
12	$\mathcal{O}(1; \{4^7, 6^2, 12^7\})$	200540160
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^3, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^3, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3, 4^5, 6^3, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^2, 4^3, 6^4, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^4, 4, 6^5, 12^7\})$	25178112
12	$\mathcal{O}(1; \{3^3, 4, 6^5, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2, 4^3, 6^5, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2, 3, 4, 6^6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^{12}, 12^8\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^9, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^9, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^6, 4^4, 12^8\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2^3, 4^6, 12^8\})$	101449728
12	$\mathcal{O}(1; \{4^8, 12^8\})$	405798912
12	$\mathcal{O}(1; \{2^9, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^4, 6, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2, 3^7, 6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6, 12^8\})$	100859904
12	$\mathcal{O}(1; \{3, 4^6, 6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^6, 3^2, 6^2, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^5, 6^2, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^2, 4^4, 6^2, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^7, 6^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^3, 6^3, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^4, 4^2, 6^3, 12^8\})$	50282496
12	$\mathcal{O}(1; \{3^3, 4^2, 6^3, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2, 4^4, 6^3, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3, 6^4, 12^8\})$	50319360
12	$\mathcal{O}(1; \{3^4, 6^4, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^4, 12^8\})$	201277440

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^2, 6^5, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^2, 6^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 12^9\})$	201129984
12	$\mathcal{O}(1; \{3^2, 4^5, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^7, 4, 6, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2^4, 4^3, 6, 12^9\})$	100859904
12	$\mathcal{O}(1; \{3^3, 4^3, 6, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2, 4^5, 6, 12^9\})$	403439616
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^2, 12^9\})$	100712448
12	$\mathcal{O}(1; \{3^4, 4, 6^2, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^2, 4, 6^4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2^7, 3, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{3^4, 4^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2, 3, 4^4, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{2^4, 3^2, 6, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{3^5, 6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^5, 6^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2, 3^3, 6^2, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3, 6^3, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{6^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^5, 4, 12^{11}\})$	201129984
12	$\mathcal{O}(1; \{2, 3^3, 4, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 4^3, 12^{11}\})$	804519936
12	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{4, 6^3, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 3^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 6, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{4^2, 6, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{3, 6^2, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{3, 4, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{2, 12^{14}\})$	6443237376
12	$\mathcal{O}(0; \{2^{25}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^8, 4^2\})$	172

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{17}, 4^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^{20}, 4^2\})$	699052
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^4\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^4\})$	349520
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^6\})$	174784
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^8\})$	87296
12	$\mathcal{O}(0; \{3^{14}, 4^8\})$	699136
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^8, 4^{10}\})$	44032
12	$\mathcal{O}(0; \{2, 3^{11}, 4^{10}\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{12}\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{12}\})$	176128
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{14}\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{3^5, 4^{16}\})$	327680
12	$\mathcal{O}(0; \{2, 3^2, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^2, 6\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^2, 6\})$	349524
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^4, 6\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^4, 6\})$	174768

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^6, 6\})$	87360
12	$\mathcal{O}(0; \{3^{15}, 4^6, 6\})$	699072
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2^9, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^9, 4^8, 6\})$	43776
12	$\mathcal{O}(0; \{2, 3^{12}, 4^8, 6\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{10}, 6\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{10}, 6\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{12}, 6\})$	12288
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{12}, 6\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{14}, 6\})$	49152
12	$\mathcal{O}(0; \{3^6, 4^{14}, 6\})$	344064
12	$\mathcal{O}(0; \{2, 3^3, 4^{16}, 6\})$	196608
12	$\mathcal{O}(0; \{2^{23}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^2, 6^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^2, 6^2\})$	174764
12	$\mathcal{O}(0; \{2^{20}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^4, 6^2\})$	87376
12	$\mathcal{O}(0; \{3^{16}, 4^4, 6^2\})$	699056
12	$\mathcal{O}(0; \{2^{17}, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2^9, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^6, 6^2\})$	43712
12	$\mathcal{O}(0; \{2, 3^{13}, 4^6, 6^2\})$	349504
12	$\mathcal{O}(0; \{2^{14}, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^7, 4^8, 6^2\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^8, 6^2\})$	174848
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{10}, 6^2\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{10}, 6^2\})$	87040
12	$\mathcal{O}(0; \{2^8, 3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{12}, 6^2\})$	45056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^{12}, 6^2\})$	348160
12	$\mathcal{O}(0; \{2^5, 3, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2, 3^4, 4^{14}, 6^2\})$	180224
12	$\mathcal{O}(0; \{2^2, 3, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^2, 6^3\})$	87380
12	$\mathcal{O}(0; \{3^{17}, 4^2, 6^3\})$	699052
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^9, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^4, 6^3\})$	43696
12	$\mathcal{O}(0; \{2, 3^{14}, 4^4, 6^3\})$	349520
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^8, 4^6, 6^3\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^6, 6^3\})$	174784
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^7, 3^5, 4^8, 6^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^8, 4^8, 6^3\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{10}, 6^3\})$	44032
12	$\mathcal{O}(0; \{3^8, 4^{10}, 6^3\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{12}, 6^3\})$	20480
12	$\mathcal{O}(0; \{2, 3^5, 4^{12}, 6^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{14}, 6^3\})$	81920
12	$\mathcal{O}(0; \{2^{21}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 6^4\})$	43692
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 6^4\})$	349524
12	$\mathcal{O}(0; \{2^{18}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 6^4\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 6^4\})$	174768
12	$\mathcal{O}(0; \{2^{15}, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 6^4\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 6^4\})$	87360

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 6^4\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 6^4\})$	43776
12	$\mathcal{O}(0; \{3^9, 4^8, 6^4\})$	349440
12	$\mathcal{O}(0; \{2^9, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 6^4\})$	21504
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 6^4\})$	175104
12	$\mathcal{O}(0; \{2^6, 4^{12}, 6^4\})$	12288
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 6^4\})$	86016
12	$\mathcal{O}(0; \{2^3, 4^{14}, 6^4\})$	49152
12	$\mathcal{O}(0; \{4^{16}, 6^4\})$	196608
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6^5\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6^5\})$	174764
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6^5\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6^5\})$	87376
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6^5\})$	43712
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6^5\})$	349504
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6^5\})$	21760
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6^5\})$	174848
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6^5\})$	11264
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6^5\})$	87040
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6^5\})$	45056
12	$\mathcal{O}(0; \{3, 4^{14}, 6^5\})$	180224
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^6\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^6\})$	87380
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^6\})$	43696
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^6\})$	349520
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^6\})$	21824
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^6\})$	11008

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^6\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^6\})$	44032
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^6\})$	176128
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^7\})$	43692
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^7\})$	349524
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^7\})$	21840
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^7\})$	174768
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^7\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^7\})$	87360
12	$\mathcal{O}(0; \{2^7, 4^8, 6^7\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^7\})$	43776
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^7\})$	21504
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^7\})$	175104
12	$\mathcal{O}(0; \{2, 4^{12}, 6^7\})$	86016
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^8\})$	21844
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^8\})$	174764
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^8\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^8\})$	87376
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^8\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^8\})$	43712
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^8\})$	21760
12	$\mathcal{O}(0; \{3^4, 4^8, 6^8\})$	174848
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^8\})$	87040
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^9\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^9\})$	87380
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^9\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^9\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^9\})$	21824
12	$\mathcal{O}(0; \{3^5, 4^6, 6^9\})$	174784
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^9\})$	87296
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^{10}\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^{10}\})$	43692

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^{10}\})$	21840
12	$\mathcal{O}(0; \{3^6, 4^4, 6^{10}\})$	174768
12	$\mathcal{O}(0; \{2^5, 4^6, 6^{10}\})$	10944
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^{10}\})$	87360
12	$\mathcal{O}(0; \{2^2, 4^8, 6^{10}\})$	43776
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^{11}\})$	21844
12	$\mathcal{O}(0; \{3^7, 4^2, 6^{11}\})$	174764
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^{11}\})$	10928
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^{11}\})$	87376
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^{11}\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^{12}\})$	10924
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^{12}\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^{12}\})$	43696
12	$\mathcal{O}(0; \{2^6, 4^2, 6^{13}\})$	5460
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^{13}\})$	43692
12	$\mathcal{O}(0; \{2^3, 4^4, 6^{13}\})$	21840
12	$\mathcal{O}(0; \{4^6, 6^{13}\})$	87360
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{14}\})$	21844
12	$\mathcal{O}(0; \{3, 4^4, 6^{14}\})$	87376
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{15}\})$	87380
12	$\mathcal{O}(0; \{2, 4^2, 6^{16}\})$	43692
12	$\mathcal{O}(0; \{2^{26}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4, 12\})$	699052
12	$\mathcal{O}(0; \{2^{23}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^3, 12\})$	349520
12	$\mathcal{O}(0; \{2^{20}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^5, 12\})$	174784
12	$\mathcal{O}(0; \{3^{16}, 4^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 3, 4^7, 12\})$	256

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^7, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^{13}, 4^7, 12\})$	699136
12	$\mathcal{O}(0; \{2^{14}, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^7, 4^9, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^9, 12\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{11}, 12\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{11}, 12\})$	176128
12	$\mathcal{O}(0; \{2^8, 3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{13}, 12\})$	81920
12	$\mathcal{O}(0; \{3^7, 4^{13}, 12\})$	704512
12	$\mathcal{O}(0; \{2^5, 3, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2, 3^4, 4^{15}, 12\})$	327680
12	$\mathcal{O}(0; \{2^2, 3, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4, 6, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4, 6, 12\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^3, 6, 12\})$	174768
12	$\mathcal{O}(0; \{3^{17}, 4^3, 6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^5, 6, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^{14}, 4^5, 6, 12\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^8, 4^7, 6, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^7, 6, 12\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^5, 4^9, 6, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^8, 4^9, 6, 12\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{11}, 6, 12\})$	86016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^8, 4^{11}, 6, 12\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{13}, 6, 12\})$	49152
12	$\mathcal{O}(0; \{2, 3^5, 4^{13}, 6, 12\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{15}, 6, 12\})$	196608
12	$\mathcal{O}(0; \{2^{24}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4, 6^2, 12\})$	174764
12	$\mathcal{O}(0; \{3^{18}, 4, 6^2, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{21}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^3, 6^2, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{15}, 4^3, 6^2, 12\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^9, 4^5, 6^2, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^5, 6^2, 12\})$	349504
12	$\mathcal{O}(0; \{2^{15}, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^6, 4^7, 6^2, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^9, 4^7, 6^2, 12\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^8, 3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^6, 4^9, 6^2, 12\})$	87040
12	$\mathcal{O}(0; \{3^9, 4^9, 6^2, 12\})$	699392
12	$\mathcal{O}(0; \{2^9, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{11}, 6^2, 12\})$	45056
12	$\mathcal{O}(0; \{2, 3^6, 4^{11}, 6^2, 12\})$	348160
12	$\mathcal{O}(0; \{2^6, 4^{13}, 6^2, 12\})$	16384
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{13}, 6^2, 12\})$	180224
12	$\mathcal{O}(0; \{2^3, 4^{15}, 6^2, 12\})$	65536
12	$\mathcal{O}(0; \{4^{17}, 6^2, 12\})$	262144
12	$\mathcal{O}(0; \{2^{21}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4, 6^3, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{16}, 4, 6^3, 12\})$	699052

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{18}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^3, 6^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^3, 6^3, 12\})$	349520
12	$\mathcal{O}(0; \{2^{15}, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^7, 4^5, 6^3, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^5, 6^3, 12\})$	174784
12	$\mathcal{O}(0; \{2^{12}, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^7, 4^7, 6^3, 12\})$	87296
12	$\mathcal{O}(0; \{3^{10}, 4^7, 6^3, 12\})$	699136
12	$\mathcal{O}(0; \{2^9, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^4, 4^9, 6^3, 12\})$	44032
12	$\mathcal{O}(0; \{2, 3^7, 4^9, 6^3, 12\})$	349184
12	$\mathcal{O}(0; \{2^6, 3, 4^{11}, 6^3, 12\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{11}, 6^3, 12\})$	176128
12	$\mathcal{O}(0; \{2^3, 3, 4^{13}, 6^3, 12\})$	81920
12	$\mathcal{O}(0; \{3, 4^{15}, 6^3, 12\})$	327680
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 6^4, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 6^4, 12\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 6^4, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 6^4, 12\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 6^4, 12\})$	87360
12	$\mathcal{O}(0; \{3^{11}, 4^5, 6^4, 12\})$	699072
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 6^4, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 6^4, 12\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 6^4, 12\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 6^4, 12\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 6^4, 12\})$	86016
12	$\mathcal{O}(0; \{3^2, 4^{13}, 6^4, 12\})$	344064
12	$\mathcal{O}(0; \{2^{19}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6^5, 12\})$	2732

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6^5, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6^5, 12\})$	174764
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6^5, 12\})$	87376
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6^5, 12\})$	699056
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6^5, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6^5, 12\})$	349504
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6^5, 12\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6^5, 12\})$	174848
12	$\mathcal{O}(0; \{2^7, 4^9, 6^5, 12\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6^5, 12\})$	87040
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6^5, 12\})$	45056
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6^5, 12\})$	348160
12	$\mathcal{O}(0; \{2, 4^{13}, 6^5, 12\})$	180224
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^6, 12\})$	87380
12	$\mathcal{O}(0; \{3^{13}, 4, 6^6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^6, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^6, 12\})$	349520
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^6, 12\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^6, 12\})$	174784
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^6, 12\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^6, 12\})$	87296
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^6, 12\})$	44032
12	$\mathcal{O}(0; \{3^4, 4^9, 6^6, 12\})$	349184
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^6, 12\})$	176128
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^7, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^7, 12\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^7, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^7, 12\})$	174768

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^7, 12\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^7, 12\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^7, 12\})$	43776
12	$\mathcal{O}(0; \{3^5, 4^7, 6^7, 12\})$	349440
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^7, 12\})$	175104
12	$\mathcal{O}(0; \{2^{14}, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^8, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^8, 12\})$	174764
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^8, 12\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^8, 12\})$	87376
12	$\mathcal{O}(0; \{2^8, 4^5, 6^8, 12\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^8, 12\})$	43712
12	$\mathcal{O}(0; \{3^6, 4^5, 6^8, 12\})$	349504
12	$\mathcal{O}(0; \{2^5, 4^7, 6^8, 12\})$	21760
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^8, 12\})$	174848
12	$\mathcal{O}(0; \{2^2, 4^9, 6^8, 12\})$	87040
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^9, 12\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^9, 12\})$	87380
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^9, 12\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^9, 12\})$	43696
12	$\mathcal{O}(0; \{3^7, 4^3, 6^9, 12\})$	349520
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^9, 12\})$	21824
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^9, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^9, 12\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^{10}, 12\})$	43692
12	$\mathcal{O}(0; \{3^8, 4, 6^{10}, 12\})$	349524
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^{10}, 12\})$	21840
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^{10}, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^{10}, 12\})$	87360
12	$\mathcal{O}(0; \{2^9, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^{11}, 12\})$	21844
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^{11}, 12\})$	174764
12	$\mathcal{O}(0; \{2^6, 4^3, 6^{11}, 12\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^{11}, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 4^5, 6^{11}, 12\})$	43712
12	$\mathcal{O}(0; \{4^7, 6^{11}, 12\})$	174848
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^{12}, 12\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^{12}, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^{12}, 12\})$	43696

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^5, 6^{12}, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^{13}, 12\})$	43692
12	$\mathcal{O}(0; \{3^2, 4^3, 6^{13}, 12\})$	174768
12	$\mathcal{O}(0; \{2^4, 4, 6^{14}, 12\})$	21844
12	$\mathcal{O}(0; \{3^3, 4, 6^{14}, 12\})$	174764
12	$\mathcal{O}(0; \{2, 4^3, 6^{14}, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3, 4, 6^{15}, 12\})$	87380
12	$\mathcal{O}(0; \{2^{27}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{18}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{18}, 4^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{15}, 4^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^9, 4^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^6, 4^8, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^9, 4^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{10}, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^9, 4^{10}, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^9, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{12}, 12^2\})$	81920
12	$\mathcal{O}(0; \{2, 3^6, 4^{12}, 12^2\})$	704512

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{14}, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^3, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{16}, 6, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{19}, 6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^2, 6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{16}, 4^2, 6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^4, 6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^4, 6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^7, 4^6, 6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^6, 6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^4, 4^8, 6, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^7, 4^8, 6, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^{10}, 4^8, 6, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{10}, 6, 12^2\})$	86016
12	$\mathcal{O}(0; \{2, 3^7, 4^{10}, 6, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^6, 3, 4^{12}, 6, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{12}, 6, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^3, 3, 4^{14}, 6, 12^2\})$	196608
12	$\mathcal{O}(0; \{3, 4^{16}, 6, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{14}, 6^2, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{17}, 6^2, 12^2\})$	1398100

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 6^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 6^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 6^2, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 6^2, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 6^2, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^{11}, 4^6, 6^2, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 6^2, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 6^2, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 6^2, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 6^2, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 6^2, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^2, 4^{14}, 6^2, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{22}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{12}, 6^3, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{15}, 6^3, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6^3, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6^3, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6^3, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6^3, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6^3, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6^3, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6^3, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6^3, 12^2\})$	349184

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6^3, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6^3, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6^3, 12^2\})$	81920
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6^3, 12^2\})$	704512
12	$\mathcal{O}(0; \{2, 4^{14}, 6^3, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^{19}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{10}, 6^4, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{13}, 6^4, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^4, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^4, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^4, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^4, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^4, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^4, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^4, 12^2\})$	86016
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^4, 12^2\})$	700416
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^4, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^8, 6^5, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6^5, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^{14}, 6^5, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^5, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^5, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^5, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^5, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^5, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^5, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^5, 12^2\})$	87040
12	$\mathcal{O}(0; \{3^5, 4^8, 6^5, 12^2\})$	699392

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^5, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{17}, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^9, 6^6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^{12}, 6^6, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^6, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^8, 4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{3^6, 4^6, 6^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^5, 4^8, 6^6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^6, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^6, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^{14}, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^7, 6^7, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^7, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^7, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^7, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^7, 12^2\})$	87360
12	$\mathcal{O}(0; \{3^7, 4^4, 6^7, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^7, 12^2\})$	43776
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^7, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^7, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^5, 6^8, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^8, 6^8, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^8, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^8, 4^2, 6^8, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^8, 12^2\})$	43712
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^8, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^8, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^3, 6^9, 12^2\})$	10924

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^6, 6^9, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^9, 6^9, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^9, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^9, 12^2\})$	43696
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^9, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^6, 4^4, 6^9, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^9, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^3, 4^6, 6^9, 12^2\})$	87296
12	$\mathcal{O}(0; \{4^8, 6^9, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^9, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^4, 6^{10}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2, 3^7, 6^{10}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^{10}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^{10}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^{10}, 12^2\})$	87360
12	$\mathcal{O}(0; \{3, 4^6, 6^{10}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^2, 6^{11}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^5, 6^{11}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^{11}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^2, 4^4, 6^{11}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^7, 6^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^3, 6^{12}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{12}, 12^2\})$	43696
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{12}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 4^4, 6^{12}, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^4, 3, 6^{13}, 12^2\})$	43692
12	$\mathcal{O}(0; \{3^4, 6^{13}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{13}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^2, 6^{14}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 6^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{17}, 4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^5, 12^3\})$	11008

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^8, 4^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^8, 4^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^{11}, 4^7, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^5, 4^9, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^8, 4^9, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{11}, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{11}, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{13}, 12^3\})$	327680
12	$\mathcal{O}(0; \{3^2, 4^{15}, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{22}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4, 6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4, 6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^9, 4^3, 6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^3, 6, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^9, 4^5, 6, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^{12}, 4^5, 6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^6, 4^7, 6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^9, 4^7, 6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^3, 4^9, 6, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^6, 4^9, 6, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^7, 4^{11}, 6, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{11}, 6, 12^3\})$	344064
12	$\mathcal{O}(0; \{2^4, 4^{13}, 6, 12^3\})$	196608
12	$\mathcal{O}(0; \{3^3, 4^{13}, 6, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2, 4^{15}, 6, 12^3\})$	786432
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 6^2, 12^3\})$	1360

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 6^2, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 6^2, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 6^2, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^{13}, 4^3, 6^2, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 6^2, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 6^2, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 6^2, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 6^2, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 6^2, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 6^2, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 6^2, 12^3\})$	180224
12	$\mathcal{O}(0; \{3^4, 4^{11}, 6^2, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 6^2, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6^3, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^{14}, 4, 6^3, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6^3, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6^3, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6^3, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6^3, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6^3, 12^3\})$	176128
12	$\mathcal{O}(0; \{3^5, 4^9, 6^3, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6^3, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{17}, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^4, 12^3\})$	1344

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^4, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^4, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^4, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^4, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^8, 4^7, 6^4, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^4, 12^3\})$	175104
12	$\mathcal{O}(0; \{3^6, 4^7, 6^4, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^5, 4^9, 6^4, 12^3\})$	86016
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^4, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^4, 12^3\})$	344064
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^5, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^5, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^5, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^5, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{3^7, 4^5, 6^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^5, 12^3\})$	87040
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^5, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^5, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^6, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^8, 4^3, 6^6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^6, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^6, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^7, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^9, 4, 6^7, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^9, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^7, 12^3\})$	87360
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^7, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^6, 4^5, 6^7, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^7, 12^3\})$	349440

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4^7, 6^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{4^9, 6^7, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^8, 12^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^8, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^8, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^8, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^8, 12^3\})$	174848
12	$\mathcal{O}(0; \{3, 4^7, 6^8, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^9, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^9, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^9, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^2, 4^5, 6^9, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^7, 4, 6^{10}, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^{10}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 4^3, 6^{10}, 12^3\})$	87360
12	$\mathcal{O}(0; \{3^3, 4^3, 6^{10}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 4^5, 6^{10}, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^{11}, 12^3\})$	87376
12	$\mathcal{O}(0; \{3^4, 4, 6^{11}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^{11}, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{12}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 4, 6^{13}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^{22}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{16}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^{13}, 4^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 12^4\})$	2796544

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 12^4\})$	704512
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 12^4\})$	327680
12	$\mathcal{O}(0; \{3^4, 4^{12}, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 12^4\})$	1310720
12	$\mathcal{O}(0; \{2^{19}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{11}, 6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{14}, 6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6, 12^4\})$	344064
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{20}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{12}, 6^2, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{15}, 6^2, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^2, 12^4\})$	21760

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^2, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^2, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^2, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^2, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^8, 4^8, 6^2, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^2, 12^4\})$	348160
12	$\mathcal{O}(0; \{3^6, 4^8, 6^2, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^2, 12^4\})$	180224
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^2, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^2, 12^4\})$	720896
12	$\mathcal{O}(0; \{2^{17}, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6^3, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^{13}, 6^3, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^3, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^3, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^3, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^3, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^3, 12^4\})$	349184
12	$\mathcal{O}(0; \{3^7, 4^6, 6^3, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^3, 12^4\})$	176128
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^3, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^3, 12^4\})$	704512
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^8, 6^4, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^4, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^4, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^4, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^8, 4^4, 6^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^4, 12^4\})$	175104
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^4, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^4, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^{15}, 6^5, 12^4\})$	1360

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^6, 6^5, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^9, 6^5, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^5, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^9, 4^2, 6^5, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^9, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^5, 12^4\})$	174848
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^5, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^6, 4^6, 6^5, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^5, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^3, 4^8, 6^5, 12^4\})$	348160
12	$\mathcal{O}(0; \{4^{10}, 6^5, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{12}, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^7, 6^6, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^{10}, 6^6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^6, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{3, 4^8, 6^6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^5, 6^7, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^8, 6^7, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^7, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^7, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^7, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^2, 4^6, 6^7, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^3, 6^8, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^6, 6^8, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^7, 4^2, 6^8, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^8, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^4, 4^4, 6^8, 12^4\})$	174848
12	$\mathcal{O}(0; \{3^3, 4^4, 6^8, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2, 4^6, 6^8, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^7, 3, 6^9, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^4, 6^9, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^9, 12^4\})$	174784

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 4^2, 6^9, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^9, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^2, 6^{10}, 12^4\})$	174768
12	$\mathcal{O}(0; \{3^5, 6^{10}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{10}, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^5, 6^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2, 3^3, 6^{11}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{11}, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3, 6^{12}, 12^4\})$	349520
12	$\mathcal{O}(0; \{6^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{15}, 4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^8, 4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 12^5\})$	704512
12	$\mathcal{O}(0; \{3^6, 4^9, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^5, 4^{11}, 12^5\})$	327680
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^2, 4^{13}, 12^5\})$	1310720
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6, 12^5\})$	2796288

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6, 12^5\})$	700416
12	$\mathcal{O}(0; \{3^7, 4^7, 6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6, 12^5\})$	344064
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6, 12^5\})$	1376256
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^2, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^2, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^2, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^2, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^2, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^2, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^8, 4^5, 6^2, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^2, 12^5\})$	348160
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^2, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^2, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2^{15}, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^3, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^3, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^9, 4^3, 6^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^9, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^3, 12^5\})$	349184
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^3, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^6, 4^7, 6^3, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^3, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^3, 4^9, 6^3, 12^5\})$	704512
12	$\mathcal{O}(0; \{4^{11}, 6^3, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^4, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^{10}, 4, 6^4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^4, 12^5\})$	349440

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^4, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^4, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^4, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^4, 12^5\})$	700416
12	$\mathcal{O}(0; \{3, 4^9, 6^4, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^5, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^5, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^5, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^5, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^2, 4^7, 6^5, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^7, 4^3, 6^6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^4, 4^5, 6^6, 12^5\})$	349184
12	$\mathcal{O}(0; \{3^3, 4^5, 6^6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2, 4^7, 6^6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^7, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^7, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^7, 12^5\})$	349440
12	$\mathcal{O}(0; \{3^4, 4^3, 6^7, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^7, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^8, 12^5\})$	349504
12	$\mathcal{O}(0; \{3^5, 4, 6^8, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^8, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^5, 4, 6^9, 12^5\})$	174784
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^9, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 4^3, 6^9, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{10}, 12^5\})$	699072
12	$\mathcal{O}(0; \{4, 6^{12}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{14}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 12^6\})$	44032

Continued on next page

Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^8, 4^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 12^6\})$	704512
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 12^6\})$	2818048
12	$\mathcal{O}(0; \{2^{18}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^9, 6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^9, 4^4, 6, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^9, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^6, 4^8, 6, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6, 12^6\})$	1376256
12	$\mathcal{O}(0; \{4^{12}, 6, 12^6\})$	5505024
12	$\mathcal{O}(0; \{2^{15}, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^7, 6^2, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^2, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^2, 12^6\})$	699392
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^2, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^2, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^2, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^2, 12^6\})$	1392640
12	$\mathcal{O}(0; \{3, 4^{10}, 6^2, 12^6\})$	5570560

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^8, 6^3, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^{11}, 6^3, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^3, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^3, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^3, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^3, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^3, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^2, 4^8, 6^3, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{13}, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^6, 6^4, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^9, 6^4, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^4, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^4, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^7, 4^4, 6^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^4, 4^6, 6^4, 12^6\})$	700416
12	$\mathcal{O}(0; \{3^3, 4^6, 6^4, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2, 4^8, 6^4, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^{10}, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^4, 6^5, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^7, 6^5, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^5, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^5, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^5, 12^6\})$	699392
12	$\mathcal{O}(0; \{3^4, 4^4, 6^5, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^5, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3^2, 6^6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^5, 6^6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^6, 12^6\})$	699136
12	$\mathcal{O}(0; \{3^5, 4^2, 6^6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^8, 6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^3, 6^7, 12^6\})$	699072
12	$\mathcal{O}(0; \{3^6, 6^7, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^5, 4^2, 6^7, 12^6\})$	349440
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^7, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^2, 4^4, 6^7, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3, 6^8, 12^6\})$	349504

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 6^8, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^8, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^2, 6^9, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^3, 6^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{4^2, 6^{10}, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3, 6^{11}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^{10}, 4^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 12^7\})$	2818048
12	$\mathcal{O}(0; \{3, 4^{11}, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^{11}, 4, 6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3^2, 4^9, 6, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{13}, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^2, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^2, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^2, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^2, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^7, 4^5, 6^2, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^2, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2^4, 4^7, 6^2, 12^7\})$	1392640
12	$\mathcal{O}(0; \{3^3, 4^7, 6^2, 12^7\})$	11190272

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^9, 6^2, 12^7\})$	5570560
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^3, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^3, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^3, 12^7\})$	1396736
12	$\mathcal{O}(0; \{3^4, 4^5, 6^3, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^3, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^4, 12^7\})$	1397760
12	$\mathcal{O}(0; \{3^5, 4^3, 6^4, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^4, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^8, 4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^5, 12^7\})$	1398016
12	$\mathcal{O}(0; \{3^6, 4, 6^5, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^5, 4^3, 6^5, 12^7\})$	699392
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^5, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^2, 4^5, 6^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^7, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^3, 4, 6^8, 12^7\})$	1398016
12	$\mathcal{O}(0; \{4^3, 6^8, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3, 4, 6^9, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{16}, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^{12}, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^7, 4^6, 12^8\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2^4, 4^8, 12^8\})$	2818048
12	$\mathcal{O}(0; \{3^3, 4^8, 12^8\})$	22347776

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^{10}, 12^8\})$	11272192
12	$\mathcal{O}(0; \{2^{13}, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^7, 6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{10}, 6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{3^4, 4^6, 6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2, 3, 4^8, 6, 12^8\})$	11206656
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^5, 6^2, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^8, 6^2, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^2, 12^8\})$	2797568
12	$\mathcal{O}(0; \{3^5, 4^4, 6^2, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^2, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^{11}, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^3, 6^3, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^6, 6^3, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^8, 4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^3, 12^8\})$	2796544
12	$\mathcal{O}(0; \{3^6, 4^2, 6^3, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^5, 4^4, 6^3, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^3, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^2, 4^6, 6^3, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2^8, 3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^4, 6^4, 12^8\})$	2796288
12	$\mathcal{O}(0; \{3^7, 6^4, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^4, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^4, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^2, 6^5, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2, 3^5, 6^5, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^5, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^6, 6^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^3, 6^6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^3, 4^2, 6^6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{4^4, 6^6, 12^8\})$	11186176

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 6^7, 12^8\})$	2796288
12	$\mathcal{O}(0; \{3, 4^2, 6^7, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^2, 6^8, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2, 6^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 12^9\})$	5586944
12	$\mathcal{O}(0; \{3^5, 4^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^{11}, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^8, 4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6, 12^9\})$	5591040
12	$\mathcal{O}(0; \{3^6, 4^3, 6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^5, 4^5, 6, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^2, 4^7, 6, 12^9\})$	11206656
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^2, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3^7, 4, 6^2, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^2, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^2, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^2, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^3, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^3, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^6, 4, 6^4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^3, 4^3, 6^4, 12^9\})$	5591040
12	$\mathcal{O}(0; \{4^5, 6^4, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^5, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3, 4^3, 6^5, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3^2, 4, 6^6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2, 4, 6^7, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 12^{10}\})$	11186176

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{2^8, 3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^5, 6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^8, 6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2^9, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2, 3^6, 6^2, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^6, 4^2, 6^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^3, 4^4, 6^2, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{4^6, 6^2, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^6, 3, 6^3, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{3, 4^4, 6^3, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^2, 4^2, 6^4, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 6^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{3^3, 6^5, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2, 4^2, 6^5, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2, 3, 6^6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^9, 4, 12^{11}\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^6, 4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^6, 4^3, 12^{11}\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 4^5, 12^{11}\})$	22347776
12	$\mathcal{O}(0; \{4^7, 12^{11}\})$	89391104
12	$\mathcal{O}(0; \{2^6, 3, 4, 6, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{3, 4^5, 6, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 4, 6^3, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{3^3, 4, 6^3, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2, 4^3, 6^3, 12^{11}\})$	44744704

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4, 6^4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^6, 3^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{3^2, 4^4, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^7, 6, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^3, 6, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 4^2, 6, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{3^3, 4^2, 6, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2, 4^4, 6, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{2^4, 3, 6^2, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{3^4, 6^2, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^2, 6^3, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 6^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 3, 4, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{3^4, 4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2, 3, 4^3, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{2^5, 12^{14}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 4^2, 12^{14}\})$	178978816
12	$\mathcal{O}(0; \{2^2, 3, 6, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{6^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{4, 6, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{3, 12^{16}\})$	1431633920
13	$\mathcal{O}(3; \{13^9\})$	1915790321779620
14	$\mathcal{O}(5; \{7^4\})$	53748825429222
14	$\mathcal{O}(4; \{2^4, 7^4\})$	274496764416
14	$\mathcal{O}(4; \{2^2, 7^3, 14^2\})$	1638125852160
14	$\mathcal{O}(4; \{7^2, 14^4\})$	9837609847296
14	$\mathcal{O}(3; \{2^8, 7^4\})$	1400493696
14	$\mathcal{O}(3; \{2, 7^7, 14\})$	1806682045056
14	$\mathcal{O}(3; \{2^6, 7^3, 14^2\})$	8357784960
14	$\mathcal{O}(3; \{2^4, 7^2, 14^4\})$	50191886976
14	$\mathcal{O}(3; \{2^2, 7, 14^6\})$	301106144640
14	$\mathcal{O}(3; \{14^8\})$	1806682045056
14	$\mathcal{O}(2; \{2^{12}, 7^4\})$	7145376
14	$\mathcal{O}(2; \{7^{11}\})$	1866590822250
14	$\mathcal{O}(2; \{2^5, 7^7, 14\})$	9217765536
14	$\mathcal{O}(2; \{2^{10}, 7^3, 14^2\})$	42641760
14	$\mathcal{O}(2; \{2^3, 7^6, 14^3\})$	55306362720

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(2; \{2^8, 7^2, 14^4\})$	256081056
14	$\mathcal{O}(2; \{2, 7^5, 14^5\})$	331838406816
14	$\mathcal{O}(2; \{2^6, 7, 14^6\})$	1536255840
14	$\mathcal{O}(2; \{2^4, 14^8\})$	9217765536
14	$\mathcal{O}(1; \{2^{16}, 7^4\})$	36456
14	$\mathcal{O}(1; \{2^4, 7^{11}\})$	10158317400
14	$\mathcal{O}(1; \{2^9, 7^7, 14\})$	47029416
14	$\mathcal{O}(1; \{2^{14}, 7^3, 14^2\})$	217560
14	$\mathcal{O}(1; \{2^2, 7^{10}, 14^2\})$	60949905576
14	$\mathcal{O}(1; \{2^7, 7^6, 14^3\})$	282175320
14	$\mathcal{O}(1; \{2^{12}, 7^2, 14^4\})$	1306536
14	$\mathcal{O}(1; \{7^9, 14^4\})$	365699432280
14	$\mathcal{O}(1; \{2^5, 7^5, 14^5\})$	1693053096
14	$\mathcal{O}(1; \{2^{10}, 7, 14^6\})$	7838040
14	$\mathcal{O}(1; \{2^3, 7^4, 14^7\})$	10158317400
14	$\mathcal{O}(1; \{2^8, 14^8\})$	47029416
14	$\mathcal{O}(1; \{2, 7^3, 14^9\})$	60949905576
14	$\mathcal{O}(0; \{2^{20}, 7^4\})$	186
14	$\mathcal{O}(0; \{2^8, 7^{11}\})$	51828150
14	$\mathcal{O}(0; \{2^{13}, 7^7, 14\})$	239946
14	$\mathcal{O}(0; \{2, 7^{14}, 14\})$	67169283510
14	$\mathcal{O}(0; \{2^{18}, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{2^6, 7^{10}, 14^2\})$	310968906
14	$\mathcal{O}(0; \{2^{11}, 7^6, 14^3\})$	1439670
14	$\mathcal{O}(0; \{2^{16}, 7^2, 14^4\})$	6666
14	$\mathcal{O}(0; \{2^4, 7^9, 14^4\})$	1865813430
14	$\mathcal{O}(0; \{2^9, 7^5, 14^5\})$	8638026
14	$\mathcal{O}(0; \{2^{14}, 7, 14^6\})$	39990
14	$\mathcal{O}(0; \{2^2, 7^8, 14^6\})$	11194880586
14	$\mathcal{O}(0; \{2^7, 7^4, 14^7\})$	51828150
14	$\mathcal{O}(0; \{2^{12}, 14^8\})$	239946
14	$\mathcal{O}(0; \{7^7, 14^8\})$	67169283510
14	$\mathcal{O}(0; \{2^5, 7^3, 14^9\})$	310968906
14	$\mathcal{O}(0; \{2^3, 7^2, 14^{11}\})$	1865813430
14	$\mathcal{O}(0; \{2, 7, 14^{13}\})$	11194880586
15	$\mathcal{O}(5; \{3^4\})$	3459901989456
15	$\mathcal{O}(5; \{5, 15^2\})$	13839609375000
15	$\mathcal{O}(4; \{3^7\})$	107641130688
15	$\mathcal{O}(4; \{3^2, 5^3, 15\})$	266540625000
15	$\mathcal{O}(4; \{3^3, 5, 15^2\})$	307546875000
15	$\mathcal{O}(4; \{15^5\})$	5228296875000
15	$\mathcal{O}(3; \{3^{10}\})$	3895344432
15	$\mathcal{O}(3; \{3^4, 5^5\})$	13942125000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(3; \{3^5, 5^3, 15\})$	13030875000
15	$\mathcal{O}(3; \{3^6, 5, 15^2\})$	11755125000
15	$\mathcal{O}(3; \{5^6, 15^2\})$	298616625000
15	$\mathcal{O}(3; \{3, 5^4, 15^3\})$	223894125000
15	$\mathcal{O}(3; \{3^2, 5^2, 15^4\})$	205486875000
15	$\mathcal{O}(3; \{3^3, 15^5\})$	199837125000
15	$\mathcal{O}(2; \{3^{13}\})$	137985120
15	$\mathcal{O}(2; \{3^7, 5^5\})$	433755000
15	$\mathcal{O}(2; \{3^8, 5^3, 15\})$	447525000
15	$\mathcal{O}(2; \{3^2, 5^8, 15\})$	5308335000
15	$\mathcal{O}(2; \{3^9, 5, 15^2\})$	414315000
15	$\mathcal{O}(2; \{3^3, 5^6, 15^2\})$	6635925000
15	$\mathcal{O}(2; \{3^4, 5^4, 15^3\})$	6965595000
15	$\mathcal{O}(2; \{3^5, 5^2, 15^4\})$	7057125000
15	$\mathcal{O}(2; \{3^6, 15^5\})$	7043355000
15	$\mathcal{O}(2; \{5^5, 15^5\})$	106168725000
15	$\mathcal{O}(2; \{3, 5^3, 15^6\})$	111475035000
15	$\mathcal{O}(2; \{3^2, 5, 15^7\})$	112810725000
15	$\mathcal{O}(1; \{3^{16}\})$	4718736
15	$\mathcal{O}(1; \{3^{10}, 5^5\})$	15697800
15	$\mathcal{O}(1; \{3^4, 5^{10}\})$	283116600
15	$\mathcal{O}(1; \{3^{11}, 5^3, 15\})$	15982200
15	$\mathcal{O}(1; \{3^5, 5^8, 15\})$	259518600
15	$\mathcal{O}(1; \{3^{12}, 5, 15^2\})$	14747400
15	$\mathcal{O}(1; \{3^6, 5^6, 15^2\})$	253639800
15	$\mathcal{O}(1; \{5^{11}, 15^2\})$	6039797400
15	$\mathcal{O}(1; \{3^7, 5^4, 15^3\})$	252088200
15	$\mathcal{O}(1; \{3, 5^9, 15^3\})$	4529849400
15	$\mathcal{O}(1; \{3^8, 5^2, 15^4\})$	252027000
15	$\mathcal{O}(1; \{3^2, 5^7, 15^4\})$	4152357000
15	$\mathcal{O}(1; \{3^9, 15^5\})$	250705800
15	$\mathcal{O}(1; \{3^3, 5^5, 15^5\})$	4058004600
15	$\mathcal{O}(1; \{3^4, 5^3, 15^6\})$	4034334600
15	$\mathcal{O}(1; \{3^5, 5, 15^7\})$	4028743800
15	$\mathcal{O}(1; \{5^4, 15^8\})$	64927841400
15	$\mathcal{O}(1; \{3, 5^2, 15^9\})$	64550277000
15	$\mathcal{O}(1; \{3^2, 15^{10}\})$	64456212600
15	$\mathcal{O}(0; \{3^{13}, 5^5\})$	556920
15	$\mathcal{O}(0; \{3^7, 5^{10}\})$	8808072
15	$\mathcal{O}(0; \{3^{14}, 5^3, 15\})$	567944
15	$\mathcal{O}(0; \{3^8, 5^8, 15\})$	8912760
15	$\mathcal{O}(0; \{3^2, 5^{13}, 15\})$	107374184
15	$\mathcal{O}(0; \{3^{15}, 5, 15^2\})$	524280

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^9, 5^6, 15^2\})$	8939656
15	$\mathcal{O}(0; \{3^3, 5^{11}, 15^2\})$	134217720
15	$\mathcal{O}(0; \{3^{10}, 5^4, 15^3\})$	8943480
15	$\mathcal{O}(0; \{3^4, 5^9, 15^3\})$	140928648
15	$\mathcal{O}(0; \{3^{11}, 5^2, 15^4\})$	8956040
15	$\mathcal{O}(0; \{3^5, 5^7, 15^4\})$	142606200
15	$\mathcal{O}(0; \{3^{12}, 15^5\})$	8912760
15	$\mathcal{O}(0; \{3^6, 5^5, 15^5\})$	143026312
15	$\mathcal{O}(0; \{5^{10}, 15^5\})$	2147483640
15	$\mathcal{O}(0; \{3^7, 5^3, 15^6\})$	143128440
15	$\mathcal{O}(0; \{3, 5^8, 15^6\})$	2254857864
15	$\mathcal{O}(0; \{3^8, 5, 15^7\})$	143165576
15	$\mathcal{O}(0; \{3^2, 5^6, 15^7\})$	2281701240
15	$\mathcal{O}(0; \{3^3, 5^4, 15^8\})$	2288412808
15	$\mathcal{O}(0; \{3^4, 5^2, 15^9\})$	2290087800
15	$\mathcal{O}(0; \{3^5, 15^{10}\})$	2290518152
15	$\mathcal{O}(0; \{5^3, 15^{11}\})$	36614596744
15	$\mathcal{O}(0; \{3, 5, 15^{12}\})$	36641437560
16	$\mathcal{O}(6; \emptyset)$	281406257233920
16	$\mathcal{O}(5; \{2^4\})$	1098437885952
16	$\mathcal{O}(5; \{2, 4^2\})$	2196875771904
16	$\mathcal{O}(4; \{2^8\})$	4278190080
16	$\mathcal{O}(4; \{2^5, 4^2\})$	8556380160
16	$\mathcal{O}(4; \{2^2, 4^4\})$	34225520640
16	$\mathcal{O}(4; \{2^3, 4, 8^2\})$	34225520640
16	$\mathcal{O}(4; \{4^3, 8^2\})$	136902082560
16	$\mathcal{O}(4; \{2, 8^4\})$	273804165120
16	$\mathcal{O}(4; \{2, 4, 8, 16^2\})$	274877906944
16	$\mathcal{O}(3; \{2^{12}\})$	16515072
16	$\mathcal{O}(3; \{2^9, 4^2\})$	33030144
16	$\mathcal{O}(3; \{2^6, 4^4\})$	132120576
16	$\mathcal{O}(3; \{2^3, 4^6\})$	528482304
16	$\mathcal{O}(3; \{4^8\})$	2113929216
16	$\mathcal{O}(3; \{2^7, 4, 8^2\})$	132120576
16	$\mathcal{O}(3; \{2^4, 4^3, 8^2\})$	528482304
16	$\mathcal{O}(3; \{2, 4^5, 8^2\})$	2113929216
16	$\mathcal{O}(3; \{2^5, 8^4\})$	1056964608
16	$\mathcal{O}(3; \{2^2, 4^2, 8^4\})$	4227858432
16	$\mathcal{O}(3; \{4, 8^6\})$	33822867456
16	$\mathcal{O}(3; \{2^5, 4, 8, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2^2, 4^3, 8, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{2^3, 8^3, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{4^2, 8^3, 16^2\})$	34359738368

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{2^3, 4, 16^4\})$	17179869184
16	$\mathcal{O}(3; \{4^3, 16^4\})$	68719476736
16	$\mathcal{O}(3; \{2, 8^2, 16^4\})$	137438953472
16	$\mathcal{O}(2; \{2^{16}\})$	61440
16	$\mathcal{O}(2; \{2^{13}, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^{10}, 4^4\})$	491520
16	$\mathcal{O}(2; \{2^7, 4^6\})$	1966080
16	$\mathcal{O}(2; \{2^4, 4^8\})$	7864320
16	$\mathcal{O}(2; \{2, 4^{10}\})$	31457280
16	$\mathcal{O}(2; \{2^{11}, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{2^8, 4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2^5, 4^5, 8^2\})$	7864320
16	$\mathcal{O}(2; \{2^2, 4^7, 8^2\})$	31457280
16	$\mathcal{O}(2; \{2^9, 8^4\})$	3932160
16	$\mathcal{O}(2; \{2^6, 4^2, 8^4\})$	15728640
16	$\mathcal{O}(2; \{2^3, 4^4, 8^4\})$	62914560
16	$\mathcal{O}(2; \{4^6, 8^4\})$	251658240
16	$\mathcal{O}(2; \{2^4, 4, 8^6\})$	125829120
16	$\mathcal{O}(2; \{2, 4^3, 8^6\})$	503316480
16	$\mathcal{O}(2; \{2^2, 8^8\})$	1006632960
16	$\mathcal{O}(2; \{2^9, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^6, 4^3, 8, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^3, 4^5, 8, 16^2\})$	67108864
16	$\mathcal{O}(2; \{4^7, 8, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^7, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^4, 4^2, 8^3, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2, 4^4, 8^3, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^2, 4, 8^5, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{8^7, 16^2\})$	8589934592
16	$\mathcal{O}(2; \{2^7, 4, 16^4\})$	67108864
16	$\mathcal{O}(2; \{2^4, 4^3, 16^4\})$	268435456
16	$\mathcal{O}(2; \{2, 4^5, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{2^5, 8^2, 16^4\})$	536870912
16	$\mathcal{O}(2; \{2^2, 4^2, 8^2, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{4, 8^4, 16^4\})$	17179869184
16	$\mathcal{O}(2; \{2^3, 8, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{4^2, 8, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{2, 16^8\})$	137438953472
16	$\mathcal{O}(1; \{2^{20}\})$	192
16	$\mathcal{O}(1; \{2^{17}, 4^2\})$	384
16	$\mathcal{O}(1; \{2^{14}, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^{11}, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^8, 4^8\})$	24576

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^5, 4^{10}\})$	98304
16	$\mathcal{O}(1; \{2^2, 4^{12}\})$	393216
16	$\mathcal{O}(1; \{2^{15}, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^{12}, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^9, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^6, 4^7, 8^2\})$	98304
16	$\mathcal{O}(1; \{2^3, 4^9, 8^2\})$	393216
16	$\mathcal{O}(1; \{4^{11}, 8^2\})$	1572864
16	$\mathcal{O}(1; \{2^{13}, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^{10}, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2^7, 4^4, 8^4\})$	196608
16	$\mathcal{O}(1; \{2^4, 4^6, 8^4\})$	786432
16	$\mathcal{O}(1; \{2, 4^8, 8^4\})$	3145728
16	$\mathcal{O}(1; \{2^8, 4, 8^6\})$	393216
16	$\mathcal{O}(1; \{2^5, 4^3, 8^6\})$	1572864
16	$\mathcal{O}(1; \{2^2, 4^5, 8^6\})$	6291456
16	$\mathcal{O}(1; \{2^6, 8^8\})$	3145728
16	$\mathcal{O}(1; \{2^3, 4^2, 8^8\})$	12582912
16	$\mathcal{O}(1; \{4^4, 8^8\})$	50331648
16	$\mathcal{O}(1; \{2, 4, 8^{10}\})$	100663296
16	$\mathcal{O}(1; \{2^{13}, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^{10}, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^7, 4^5, 8, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^4, 4^7, 8, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2, 4^9, 8, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{11}, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^8, 4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^5, 4^4, 8^3, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^2, 4^6, 8^3, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^6, 4, 8^5, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^3, 4^3, 8^5, 16^2\})$	16777216
16	$\mathcal{O}(1; \{4^5, 8^5, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^4, 8^7, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2, 4^2, 8^7, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2^{11}, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{2^8, 4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^5, 4^5, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^2, 4^7, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^9, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^6, 4^2, 8^2, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^3, 4^4, 8^2, 16^4\})$	33554432
16	$\mathcal{O}(1; \{4^6, 8^2, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^4, 4, 8^4, 16^4\})$	67108864

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2, 4^3, 8^4, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^2, 8^6, 16^4\})$	536870912
16	$\mathcal{O}(1; \{2^7, 8, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^4, 4^2, 8, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2, 4^4, 8, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^2, 4, 8^3, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{8^5, 16^6\})$	8589934592
16	$\mathcal{O}(1; \{2^5, 16^8\})$	536870912
16	$\mathcal{O}(1; \{2^2, 4^2, 16^8\})$	2147483648
16	$\mathcal{O}(1; \{4, 8^2, 16^8\})$	17179869184
16	$\mathcal{O}(0; \{2^{17}, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{14}, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{11}, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^8, 4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^5, 4^9, 8, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^2, 4^{11}, 8, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^{15}, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{12}, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^9, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^6, 4^6, 8^3, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^3, 4^8, 8^3, 16^2\})$	131072
16	$\mathcal{O}(0; \{4^{10}, 8^3, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^{10}, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^7, 4^3, 8^5, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^4, 4^5, 8^5, 16^2\})$	262144
16	$\mathcal{O}(0; \{2, 4^7, 8^5, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^8, 8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^5, 4^2, 8^7, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^2, 4^4, 8^7, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^3, 4, 8^9, 16^2\})$	4194304
16	$\mathcal{O}(0; \{4^3, 8^9, 16^2\})$	16777216
16	$\mathcal{O}(0; \{2, 8^{11}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{2^{15}, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^{12}, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^9, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^6, 4^7, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^3, 4^9, 16^4\})$	262144
16	$\mathcal{O}(0; \{4^{11}, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{13}, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^{10}, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^7, 4^4, 8^2, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^4, 4^6, 8^2, 16^4\})$	524288
16	$\mathcal{O}(0; \{2, 4^8, 8^2, 16^4\})$	2097152

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^8, 4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^5, 4^3, 8^4, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^2, 4^5, 8^4, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^6, 8^6, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^3, 4^2, 8^6, 16^4\})$	8388608
16	$\mathcal{O}(0; \{4^4, 8^6, 16^4\})$	33554432
16	$\mathcal{O}(0; \{2, 4, 8^8, 16^4\})$	67108864
16	$\mathcal{O}(0; \{2^{11}, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^8, 4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^5, 4^4, 8, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^6, 8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^6, 4, 8^3, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^3, 4^3, 8^3, 16^6\})$	16777216
16	$\mathcal{O}(0; \{4^5, 8^3, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^4, 8^5, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2, 4^2, 8^5, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2^9, 16^8\})$	2097152
16	$\mathcal{O}(0; \{2^6, 4^2, 16^8\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4^4, 16^8\})$	33554432
16	$\mathcal{O}(0; \{4^6, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^4, 4, 8^2, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2, 4^3, 8^2, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^2, 8^4, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2^2, 4, 8, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{8^3, 16^{10}\})$	8589934592
16	$\mathcal{O}(0; \{4, 16^{12}\})$	17179869184
17	$\mathcal{O}(1; \{17^{10}\})$	18691697672464
18	$\mathcal{O}(4; \{2^2, 18^2\})$	66119763456
18	$\mathcal{O}(3; \{3^2, 9^4\})$	21695547384
18	$\mathcal{O}(3; \{2, 6, 9^4\})$	11019960576
18	$\mathcal{O}(3; \{2^3, 3, 9^2, 18\})$	1224440064
18	$\mathcal{O}(3; \{3^2, 6, 9^2, 18\})$	4897760256
18	$\mathcal{O}(3; \{2, 6^2, 9^2, 18\})$	2448880128
18	$\mathcal{O}(3; \{2^6, 18^2\})$	204073344
18	$\mathcal{O}(3; \{2^2, 3^3, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{2^3, 3, 6, 18^2\})$	816293376
18	$\mathcal{O}(3; \{3^2, 6^2, 18^2\})$	3265173504
18	$\mathcal{O}(3; \{2, 6^3, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{2, 3, 9, 18^3\})$	11019960576
18	$\mathcal{O}(2; \{2^4, 3^2, 9^4\})$	68024448
18	$\mathcal{O}(2; \{3^5, 9^4\})$	510183360
18	$\mathcal{O}(2; \{2^5, 6, 9^4\})$	34012224
18	$\mathcal{O}(2; \{2, 3^3, 6, 9^4\})$	272097792

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^2, 3, 6^2, 9^4\})$	136048896
18	$\mathcal{O}(2; \{6^4, 9^4\})$	272097792
18	$\mathcal{O}(2; \{3, 9^7\})$	6026540940
18	$\mathcal{O}(2; \{2^7, 3, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^3, 3^4, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{2^4, 3^2, 6, 9^2, 18\})$	15116544
18	$\mathcal{O}(2; \{3^5, 6, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^5, 6^2, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2, 3^3, 6^2, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^2, 3, 6^3, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{6^5, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^3, 9^5, 18\})$	561201696
18	$\mathcal{O}(2; \{3, 6, 9^5, 18\})$	2244806784
18	$\mathcal{O}(2; \{2^{10}, 18^2\})$	629856
18	$\mathcal{O}(2; \{2^6, 3^3, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3^6, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^7, 3, 6, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2^3, 3^4, 6, 18^2\})$	20155392
18	$\mathcal{O}(2; \{2^4, 3^2, 6^2, 18^2\})$	10077696
18	$\mathcal{O}(2; \{3^5, 6^2, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^5, 6^3, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2, 3^3, 6^3, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^2, 3, 6^4, 18^2\})$	20155392
18	$\mathcal{O}(2; \{6^6, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^2, 3^2, 9^3, 18^2\})$	340122240
18	$\mathcal{O}(2; \{2^3, 6, 9^3, 18^2\})$	170061120
18	$\mathcal{O}(2; \{3, 6^2, 9^3, 18^2\})$	680244480
18	$\mathcal{O}(2; \{2^5, 3, 9, 18^3\})$	34012224
18	$\mathcal{O}(2; \{2, 3^4, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2^2, 3^2, 6, 9, 18^3\})$	136048896
18	$\mathcal{O}(2; \{2^3, 6^2, 9, 18^3\})$	68024448
18	$\mathcal{O}(2; \{3, 6^3, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2, 9^4, 18^3\})$	3214155168
18	$\mathcal{O}(2; \{3^2, 9^2, 18^4\})$	2244806784
18	$\mathcal{O}(2; \{2, 6, 9^2, 18^4\})$	1122403392
18	$\mathcal{O}(2; \{2^3, 3, 18^5\})$	170061120
18	$\mathcal{O}(2; \{3^2, 6, 18^5\})$	680244480
18	$\mathcal{O}(2; \{2, 6^2, 18^5\})$	340122240
18	$\mathcal{O}(1; \{2^8, 3^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^5, 9^4\})$	1679616
18	$\mathcal{O}(1; \{3^8, 9^4\})$	10077696
18	$\mathcal{O}(1; \{2^9, 6, 9^4\})$	104976
18	$\mathcal{O}(1; \{2^5, 3^3, 6, 9^4\})$	839808

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2, 3^6, 6, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^6, 3, 6^2, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 9^4\})$	1679616
18	$\mathcal{O}(1; \{2^4, 6^4, 9^4\})$	839808
18	$\mathcal{O}(1; \{3^3, 6^4, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2, 3, 6^5, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 9^7\})$	19840464
18	$\mathcal{O}(1; \{3^4, 9^7\})$	119042784
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^7\})$	79361856
18	$\mathcal{O}(1; \{2^2, 6^2, 9^7\})$	39680928
18	$\mathcal{O}(1; \{9^{10}\})$	1635775398
18	$\mathcal{O}(1; \{2^{11}, 3, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2^7, 3^4, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^7, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^8, 3^2, 6, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^5, 6, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{3^8, 6, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^9, 6^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2, 3^6, 6^2, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^6, 3, 6^3, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{2^4, 6^5, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{3^3, 6^5, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2, 3, 6^6, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^7, 9^5, 18\})$	1732104
18	$\mathcal{O}(1; \{2^3, 3^3, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{2^4, 3, 6, 9^5, 18\})$	6928416
18	$\mathcal{O}(1; \{3^4, 6, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{2^2, 6^3, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{6, 9^8, 18\})$	722759760
18	$\mathcal{O}(1; \{2^{14}, 18^2\})$	1944
18	$\mathcal{O}(1; \{2^{10}, 3^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^6, 3^6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^9, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^{11}, 3, 6, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^7, 3^4, 6, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^7, 6, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^8, 3^2, 6^2, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^4, 3^5, 6^2, 18^2\})$	248832

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{3^8, 6^2, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^9, 6^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^5, 3^3, 6^3, 18^2\})$	124416
18	$\mathcal{O}(1; \{2, 3^6, 6^3, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^6, 3, 6^4, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^2, 3^4, 6^4, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^3, 3^2, 6^5, 18^2\})$	248832
18	$\mathcal{O}(1; \{2^4, 6^6, 18^2\})$	124416
18	$\mathcal{O}(1; \{3^3, 6^6, 18^2\})$	995328
18	$\mathcal{O}(1; \{2, 3, 6^7, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^6, 3^2, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^5, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^7, 6, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{3^4, 6^2, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^2, 6^4, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{2^2, 3, 9^6, 18^2\})$	121877136
18	$\mathcal{O}(1; \{6^2, 9^6, 18^2\})$	243754272
18	$\mathcal{O}(1; \{2^9, 3, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{2^5, 3^4, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2, 3^7, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^6, 3^2, 6, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^5, 6, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^7, 6^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{2^4, 3, 6^3, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{3^4, 6^3, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2, 3^2, 6^4, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^2, 6^5, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{2^5, 9^4, 18^3\})$	9920232
18	$\mathcal{O}(1; \{2, 3^3, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^4, 18^3\})$	39680928
18	$\mathcal{O}(1; \{6^3, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{2^4, 3^2, 9^2, 18^4\})$	6928416
18	$\mathcal{O}(1; \{3^5, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{2^5, 6, 9^2, 18^4\})$	3464208
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^2, 18^4\})$	13856832
18	$\mathcal{O}(1; \{6^4, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{3, 9^5, 18^4\})$	722759760
18	$\mathcal{O}(1; \{2^7, 3, 18^5\})$	524880

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^4, 18^5\})$	4199040
18	$\mathcal{O}(1; \{2^4, 3^2, 6, 18^5\})$	2099520
18	$\mathcal{O}(1; \{3^5, 6, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^5, 6^2, 18^5\})$	1049760
18	$\mathcal{O}(1; \{2, 3^3, 6^2, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^2, 3, 6^3, 18^5\})$	4199040
18	$\mathcal{O}(1; \{6^5, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^3, 9^3, 18^5\})$	60938568
18	$\mathcal{O}(1; \{3, 6, 9^3, 18^5\})$	243754272
18	$\mathcal{O}(1; \{2^2, 3^2, 9, 18^6\})$	39680928
18	$\mathcal{O}(1; \{2^3, 6, 9, 18^6\})$	19840464
18	$\mathcal{O}(1; \{3, 6^2, 9, 18^6\})$	79361856
18	$\mathcal{O}(1; \{2, 9^2, 18^7\})$	361379880
18	$\mathcal{O}(1; \{3^2, 18^8\})$	243754272
18	$\mathcal{O}(1; \{2, 6, 18^8\})$	121877136
18	$\mathcal{O}(0; \{2^{12}, 3^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^8, 3^5, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^8, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^{13}, 6, 9^4\})$	324
18	$\mathcal{O}(0; \{2^9, 3^3, 6, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^6, 6, 9^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^9, 6, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^8, 6^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 9^4\})$	20736
18	$\mathcal{O}(0; \{3^6, 6^4, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^5, 3, 6^5, 9^4\})$	10368
18	$\mathcal{O}(0; \{2, 3^4, 6^5, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^3, 6^7, 9^4\})$	20736
18	$\mathcal{O}(0; \{3, 6^8, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 9^7\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^4, 9^7\})$	489888
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^7\})$	244944
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^6, 6^2, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^7\})$	979776
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^7\})$	489888
18	$\mathcal{O}(0; \{3^2, 6^4, 9^7\})$	1959552

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 6^5, 9^7\})$	979776
18	$\mathcal{O}(0; \{2^4, 9^{10}\})$	6731586
18	$\mathcal{O}(0; \{2, 3, 6, 9^{10}\})$	26926344
18	$\mathcal{O}(0; \{2^{15}, 3, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^{11}, 3^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^7, 3^7, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^{10}, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^8, 3^5, 6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^8, 6, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{3^{11}, 6, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^{13}, 6^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2, 3^9, 6^2, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2^8, 6^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{3^6, 6^5, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^5, 3, 6^6, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2, 3^4, 6^6, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2^3, 6^8, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{3, 6^9, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^{11}, 9^5, 18\})$	5346
18	$\mathcal{O}(0; \{2^7, 3^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^6, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2^8, 3, 6, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{3^7, 6, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^6, 6^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{3^2, 6^5, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2, 6^6, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2^3, 3^2, 9^8, 18\})$	4461480
18	$\mathcal{O}(0; \{2^4, 6, 9^8, 18\})$	2230740

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^3, 6, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^8, 18\})$	8922960
18	$\mathcal{O}(0; \{2^{18}, 18^2\})$	6
18	$\mathcal{O}(0; \{2^{14}, 3^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^{10}, 3^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^9, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^{12}, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{15}, 3, 6, 18^2\})$	24
18	$\mathcal{O}(0; \{2^{11}, 3^4, 6, 18^2\})$	192
18	$\mathcal{O}(0; \{2^7, 3^7, 6, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^{10}, 6, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2, 18^2\})$	96
18	$\mathcal{O}(0; \{2^8, 3^5, 6^2, 18^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^8, 6^2, 18^2\})$	6144
18	$\mathcal{O}(0; \{3^{11}, 6^2, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{13}, 6^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^9, 3^3, 6^3, 18^2\})$	384
18	$\mathcal{O}(0; \{2^5, 3^6, 6^3, 18^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^9, 6^3, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{10}, 3, 6^4, 18^2\})$	192
18	$\mathcal{O}(0; \{2^6, 3^4, 6^4, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^7, 6^4, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^7, 3^2, 6^5, 18^2\})$	768
18	$\mathcal{O}(0; \{2^3, 3^5, 6^5, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^8, 6^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3^3, 6^6, 18^2\})$	3072
18	$\mathcal{O}(0; \{3^6, 6^6, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^5, 3, 6^7, 18^2\})$	1536
18	$\mathcal{O}(0; \{2, 3^4, 6^7, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^2, 3^2, 6^8, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^3, 6^9, 18^2\})$	3072
18	$\mathcal{O}(0; \{3, 6^{10}, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^5, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^8, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^{11}, 6, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{3^7, 6^2, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9^3, 18^2\})$	207360

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 6^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{3^2, 6^6, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2, 6^7, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2^6, 3, 9^6, 18^2\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^4, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^6, 18^2\})$	1504656
18	$\mathcal{O}(0; \{2^4, 6^2, 9^6, 18^2\})$	752328
18	$\mathcal{O}(0; \{3^3, 6^2, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{2^2, 9^9, 18^2\})$	40271418
18	$\mathcal{O}(0; \{2^{13}, 3, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^9, 3^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^7, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2, 3^{10}, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^5, 6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^8, 6, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^{11}, 6^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2^8, 3, 6^3, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{3^7, 6^3, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2, 3^5, 6^4, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^6, 6^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2^3, 3, 6^6, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{3^2, 6^7, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2, 6^8, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2^9, 9^4, 18^3\})$	30618
18	$\mathcal{O}(0; \{2^5, 3^3, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{2, 3^6, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{2^4, 6^3, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{3^3, 6^3, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2, 3^2, 9^7, 18^3\})$	26926344
18	$\mathcal{O}(0; \{2^2, 6, 9^7, 18^3\})$	13463172

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^5, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{3^8, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2^9, 6, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{2^4, 6^4, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{3^3, 6^4, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 9^5, 18^4\})$	2230740
18	$\mathcal{O}(0; \{3^4, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^5, 18^4\})$	8922960
18	$\mathcal{O}(0; \{2^2, 6^2, 9^5, 18^4\})$	4461480
18	$\mathcal{O}(0; \{9^8, 18^4\})$	241982802
18	$\mathcal{O}(0; \{2^{11}, 3, 18^5\})$	1620
18	$\mathcal{O}(0; \{2^7, 3^4, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^7, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^8, 3^2, 6, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^5, 6, 18^5\})$	51840
18	$\mathcal{O}(0; \{3^8, 6, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^9, 6^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 18^5\})$	25920
18	$\mathcal{O}(0; \{2, 3^6, 6^2, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^6, 3, 6^3, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 18^5\})$	51840
18	$\mathcal{O}(0; \{2^4, 6^5, 18^5\})$	25920
18	$\mathcal{O}(0; \{3^3, 6^5, 18^5\})$	207360
18	$\mathcal{O}(0; \{2, 3, 6^6, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^7, 9^3, 18^5\})$	188082
18	$\mathcal{O}(0; \{2^3, 3^3, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^3, 18^5\})$	752328
18	$\mathcal{O}(0; \{3^4, 6, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{2^2, 6^3, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{6, 9^6, 18^5\})$	80542836
18	$\mathcal{O}(0; \{2^6, 3^2, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^5, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^7, 6, 9, 18^6\})$	61236
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9, 18^6\})$	489888

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{3^4, 6^2, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^2, 6^4, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{2^2, 3, 9^4, 18^6\})$	13463172
18	$\mathcal{O}(0; \{6^2, 9^4, 18^6\})$	26926344
18	$\mathcal{O}(0; \{2^5, 9^2, 18^7\})$	1115370
18	$\mathcal{O}(0; \{2, 3^3, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^2, 18^7\})$	4461480
18	$\mathcal{O}(0; \{6^3, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{2^4, 3^2, 18^8\})$	752328
18	$\mathcal{O}(0; \{3^5, 18^8\})$	6018624
18	$\mathcal{O}(0; \{2^5, 6, 18^8\})$	376164
18	$\mathcal{O}(0; \{2, 3^3, 6, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 18^8\})$	1504656
18	$\mathcal{O}(0; \{6^4, 18^8\})$	3009312
18	$\mathcal{O}(0; \{3, 9^3, 18^8\})$	80542836
18	$\mathcal{O}(0; \{2^3, 9, 18^9\})$	6731586
18	$\mathcal{O}(0; \{3, 6, 9, 18^9\})$	26926344
18	$\mathcal{O}(0; \{2, 18^{11}\})$	40271418
19	$\mathcal{O}(0; \{19^{11}\})$	3382547898906
20	$\mathcal{O}(5; \emptyset)$	10229998952448
20	$\mathcal{O}(4; \{2^4\})$	25499934720
20	$\mathcal{O}(4; \{2, 4^2\})$	51199868928
20	$\mathcal{O}(3; \{2^8\})$	62995968
20	$\mathcal{O}(3; \{2^5, 4^2\})$	127991808
20	$\mathcal{O}(3; \{2^2, 4^4\})$	511967232
20	$\mathcal{O}(3; \{5^5\})$	12852000000
20	$\mathcal{O}(3; \{2^3, 5^2, 10\})$	756000000
20	$\mathcal{O}(3; \{4^2, 5^2, 10\})$	1536000000
20	$\mathcal{O}(3; \{2, 5, 10^3\})$	3276000000
20	$\mathcal{O}(3; \{2^3, 4, 5, 20\})$	512000000
20	$\mathcal{O}(3; \{4^3, 5, 20\})$	2048000000
20	$\mathcal{O}(3; \{2, 4, 10^2, 20\})$	1536000000
20	$\mathcal{O}(3; \{2, 5^2, 20^2\})$	6656000000
20	$\mathcal{O}(2; \{2^{12}\})$	149760
20	$\mathcal{O}(2; \{2^9, 4^2\})$	319488
20	$\mathcal{O}(2; \{2^6, 4^4\})$	1277952
20	$\mathcal{O}(2; \{2^3, 4^6\})$	5111808
20	$\mathcal{O}(2; \{4^8\})$	20447232
20	$\mathcal{O}(2; \{2^4, 5^5\})$	30600000
20	$\mathcal{O}(2; \{2, 4^2, 5^5\})$	65280000
20	$\mathcal{O}(2; \{2^7, 5^2, 10\})$	1800000

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^4, 4^2, 5^2, 10\})$	3840000
20	$\mathcal{O}(2; \{2, 4^4, 5^2, 10\})$	15360000
20	$\mathcal{O}(2; \{2^2, 5^4, 10^2\})$	123000000
20	$\mathcal{O}(2; \{2^5, 5, 10^3\})$	7800000
20	$\mathcal{O}(2; \{2^2, 4^2, 5, 10^3\})$	16640000
20	$\mathcal{O}(2; \{5^3, 10^4\})$	491400000
20	$\mathcal{O}(2; \{2^3, 10^5\})$	30600000
20	$\mathcal{O}(2; \{4^2, 10^5\})$	65280000
20	$\mathcal{O}(2; \{2^7, 4, 5, 20\})$	1280000
20	$\mathcal{O}(2; \{2^4, 4^3, 5, 20\})$	5120000
20	$\mathcal{O}(2; \{2, 4^5, 5, 20\})$	20480000
20	$\mathcal{O}(2; \{2^2, 4, 5^3, 10, 20\})$	65280000
20	$\mathcal{O}(2; \{2^5, 4, 10^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2^2, 4^3, 10^2, 20\})$	15360000
20	$\mathcal{O}(2; \{4, 5^2, 10^3, 20\})$	262400000
20	$\mathcal{O}(2; \{2^5, 5^2, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^2, 20^2\})$	66560000
20	$\mathcal{O}(2; \{5^4, 10, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 5, 10^2, 20^2\})$	65280000
20	$\mathcal{O}(2; \{4^2, 5, 10^2, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2, 10^4, 20^2\})$	262400000
20	$\mathcal{O}(2; \{4, 5^3, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^3, 4, 10, 20^3\})$	66560000
20	$\mathcal{O}(2; \{4^3, 10, 20^3\})$	266240000
20	$\mathcal{O}(2; \{2, 5, 10, 20^4\})$	1049600000
20	$\mathcal{O}(2; \{2, 4, 20^5\})$	1044480000
20	$\mathcal{O}(1; \{2^{16}\})$	288
20	$\mathcal{O}(1; \{2^{13}, 4^2\})$	768
20	$\mathcal{O}(1; \{2^{10}, 4^4\})$	3072
20	$\mathcal{O}(1; \{2^7, 4^6\})$	12288
20	$\mathcal{O}(1; \{2^4, 4^8\})$	49152
20	$\mathcal{O}(1; \{2, 4^{10}\})$	196608
20	$\mathcal{O}(1; \{2^8, 5^5\})$	61200
20	$\mathcal{O}(1; \{2^5, 4^2, 5^5\})$	163200
20	$\mathcal{O}(1; \{2^2, 4^4, 5^5\})$	652800
20	$\mathcal{O}(1; \{5^{10}\})$	62914800
20	$\mathcal{O}(1; \{2^{11}, 5^2, 10\})$	3600
20	$\mathcal{O}(1; \{2^8, 4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{2^5, 4^4, 5^2, 10\})$	38400
20	$\mathcal{O}(1; \{2^2, 4^6, 5^2, 10\})$	153600
20	$\mathcal{O}(1; \{2^3, 5^7, 10\})$	3932400
20	$\mathcal{O}(1; \{4^2, 5^7, 10\})$	10486400
20	$\mathcal{O}(1; \{2^6, 5^4, 10^2\})$	246000

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^3, 4^2, 5^4, 10^2\})$	656000
20	$\mathcal{O}(1; \{4^4, 5^4, 10^2\})$	2624000
20	$\mathcal{O}(1; \{2^9, 5, 10^3\})$	15600
20	$\mathcal{O}(1; \{2^6, 4^2, 5, 10^3\})$	41600
20	$\mathcal{O}(1; \{2^3, 4^4, 5, 10^3\})$	166400
20	$\mathcal{O}(1; \{4^6, 5, 10^3\})$	665600
20	$\mathcal{O}(1; \{2, 5^6, 10^3\})$	15728400
20	$\mathcal{O}(1; \{2^4, 5^3, 10^4\})$	982800
20	$\mathcal{O}(1; \{2, 4^2, 5^3, 10^4\})$	2620800
20	$\mathcal{O}(1; \{2^7, 10^5\})$	61200
20	$\mathcal{O}(1; \{2^4, 4^2, 10^5\})$	163200
20	$\mathcal{O}(1; \{2, 4^4, 10^5\})$	652800
20	$\mathcal{O}(1; \{2^2, 5^2, 10^6\})$	3932400
20	$\mathcal{O}(1; \{5, 10^8\})$	15728400
20	$\mathcal{O}(1; \{2^{11}, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{2^8, 4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{2^5, 4^5, 5, 20\})$	51200
20	$\mathcal{O}(1; \{2^2, 4^7, 5, 20\})$	204800
20	$\mathcal{O}(1; \{2^3, 4, 5^6, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5^6, 20\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4, 5^3, 10, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^3, 5^3, 10, 20\})$	652800
20	$\mathcal{O}(1; \{4^5, 5^3, 10, 20\})$	2611200
20	$\mathcal{O}(1; \{2^9, 4, 10^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^6, 4^3, 10^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^3, 4^5, 10^2, 20\})$	153600
20	$\mathcal{O}(1; \{4^7, 10^2, 20\})$	614400
20	$\mathcal{O}(1; \{2, 4, 5^5, 10^2, 20\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4, 5^2, 10^3, 20\})$	656000
20	$\mathcal{O}(1; \{2, 4^3, 5^2, 10^3, 20\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4, 5, 10^5, 20\})$	2620800
20	$\mathcal{O}(1; \{4, 10^7, 20\})$	10486400
20	$\mathcal{O}(1; \{2^9, 5^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^2, 5^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^4, 5^2, 20^2\})$	665600
20	$\mathcal{O}(1; \{4^6, 5^2, 20^2\})$	2662400
20	$\mathcal{O}(1; \{2, 5^7, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 5^4, 10, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2, 4^2, 5^4, 10, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^7, 5, 10^2, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^2, 5, 10^2, 20^2\})$	652800
20	$\mathcal{O}(1; \{2, 4^4, 5, 10^2, 20^2\})$	2611200
20	$\mathcal{O}(1; \{2^2, 5^3, 10^3, 20^2\})$	10486400

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^5, 10^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^2, 10^4, 20^2\})$	2624000
20	$\mathcal{O}(1; \{5^2, 10^5, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 4, 5^3, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2, 4^3, 5^3, 20^3\})$	10496000
20	$\mathcal{O}(1; \{2^7, 4, 10, 20^3\})$	166400
20	$\mathcal{O}(1; \{2^4, 4^3, 10, 20^3\})$	665600
20	$\mathcal{O}(1; \{2, 4^5, 10, 20^3\})$	2662400
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 10^2, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4, 5, 10^4, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^2, 5^4, 20^4\})$	41945600
20	$\mathcal{O}(1; \{2^5, 5, 10, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10, 20^4\})$	10496000
20	$\mathcal{O}(1; \{5^3, 10^2, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^3, 10^3, 20^4\})$	10483200
20	$\mathcal{O}(1; \{4^2, 10^3, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^5, 4, 20^5\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4^3, 20^5\})$	10444800
20	$\mathcal{O}(1; \{4, 5^2, 10, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^3, 5, 20^6\})$	41932800
20	$\mathcal{O}(1; \{4^2, 5, 20^6\})$	167731200
20	$\mathcal{O}(1; \{2, 10^2, 20^6\})$	167782400
20	$\mathcal{O}(0; \{2^9, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 5^5\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 5^5\})$	6528
20	$\mathcal{O}(0; \{4^8, 5^5\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^{10}\})$	419432
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^9, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{2^6, 4^6, 5^2, 10\})$	384
20	$\mathcal{O}(0; \{2^3, 4^8, 5^2, 10\})$	1536
20	$\mathcal{O}(0; \{4^{10}, 5^2, 10\})$	6144
20	$\mathcal{O}(0; \{2^4, 4^2, 5^7, 10\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^7, 10\})$	104864
20	$\mathcal{O}(0; \{2^7, 4^2, 5^4, 10^2\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^4, 5^4, 10^2\})$	6560
20	$\mathcal{O}(0; \{2, 4^6, 5^4, 10^2\})$	26240
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{2^7, 4^4, 5, 10^3\})$	416
20	$\mathcal{O}(0; \{2^4, 4^6, 5, 10^3\})$	1664
20	$\mathcal{O}(0; \{2, 4^8, 5, 10^3\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^2, 5^6, 10^3\})$	104856
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3, 10^4\})$	6552

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3, 10^4\})$	26208
20	$\mathcal{O}(0; \{2^8, 4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{2^5, 4^4, 10^5\})$	1632
20	$\mathcal{O}(0; \{2^2, 4^6, 10^5\})$	6528
20	$\mathcal{O}(0; \{4^2, 5^5, 10^5\})$	419432
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^6\})$	26216
20	$\mathcal{O}(0; \{4^4, 5^2, 10^6\})$	104864
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^8\})$	104856
20	$\mathcal{O}(0; \{2^{15}, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^{12}, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^9, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{2^6, 4^7, 5, 20\})$	512
20	$\mathcal{O}(0; \{2^3, 4^9, 5, 20\})$	2048
20	$\mathcal{O}(0; \{4^{11}, 5, 20\})$	8192
20	$\mathcal{O}(0; \{2^7, 4, 5^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5^6, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5^6, 20\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{2^7, 4^3, 5^3, 10, 20\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^5, 5^3, 10, 20\})$	6528
20	$\mathcal{O}(0; \{2, 4^7, 5^3, 10, 20\})$	26112
20	$\mathcal{O}(0; \{2^2, 4, 5^8, 10, 20\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^{10}, 4^3, 10^2, 20\})$	96
20	$\mathcal{O}(0; \{2^7, 4^5, 10^2, 20\})$	384
20	$\mathcal{O}(0; \{2^4, 4^7, 10^2, 20\})$	1536
20	$\mathcal{O}(0; \{2, 4^9, 10^2, 20\})$	6144
20	$\mathcal{O}(0; \{2^5, 4, 5^5, 10^2, 20\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^3, 5^5, 10^2, 20\})$	104864
20	$\mathcal{O}(0; \{2^8, 4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^3, 5^2, 10^3, 20\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^5, 5^2, 10^3, 20\})$	26240
20	$\mathcal{O}(0; \{4, 5^7, 10^3, 20\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 10^4, 20\})$	104856
20	$\mathcal{O}(0; \{4^3, 5^4, 10^4, 20\})$	419424
20	$\mathcal{O}(0; \{2^6, 4, 5, 10^5, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10^5, 20\})$	26208
20	$\mathcal{O}(0; \{4^5, 5, 10^5, 20\})$	104832
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^6, 20\})$	419432
20	$\mathcal{O}(0; \{2^4, 4, 10^7, 20\})$	26216
20	$\mathcal{O}(0; \{2, 4^3, 10^7, 20\})$	104864
20	$\mathcal{O}(0; \{2^{13}, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^2, 20^2\})$	416

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^7, 4^4, 5^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^6, 5^2, 20^2\})$	6656
20	$\mathcal{O}(0; \{2, 4^8, 5^2, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^5, 5^7, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^7, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^8, 5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^2, 5^4, 10, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^4, 5^4, 10, 20^2\})$	104832
20	$\mathcal{O}(0; \{5^9, 10, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{2^8, 4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^4, 5, 10^2, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^6, 5, 10^2, 20^2\})$	26112
20	$\mathcal{O}(0; \{2^3, 5^6, 10^2, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5^6, 10^2, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^6, 5^3, 10^3, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10^3, 20^2\})$	104864
20	$\mathcal{O}(0; \{4^4, 5^3, 10^3, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^9, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^2, 10^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^4, 10^4, 20^2\})$	26240
20	$\mathcal{O}(0; \{4^6, 10^4, 20^2\})$	104960
20	$\mathcal{O}(0; \{2, 5^5, 10^4, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^4, 5^2, 10^5, 20^2\})$	104856
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^5, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^2, 5, 10^7, 20^2\})$	419432
20	$\mathcal{O}(0; \{10^9, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^8, 4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^3, 5^3, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^5, 5^3, 20^3\})$	104960
20	$\mathcal{O}(0; \{4, 5^8, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^{11}, 4, 10, 20^3\})$	416
20	$\mathcal{O}(0; \{2^8, 4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{2^5, 4^5, 10, 20^3\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^7, 10, 20^3\})$	26624
20	$\mathcal{O}(0; \{2^3, 4, 5^5, 10, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 5^5, 10, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 10^2, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 10^2, 20^3\})$	104832
20	$\mathcal{O}(0; \{4^5, 5^2, 10^2, 20^3\})$	419328
20	$\mathcal{O}(0; \{2, 4, 5^4, 10^3, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^4, 20^3\})$	104864
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^4, 20^3\})$	419456

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4, 10^6, 20^3\})$	419424
20	$\mathcal{O}(0; \{2^6, 5^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^2, 5^4, 20^4\})$	419456
20	$\mathcal{O}(0; \{4^4, 5^4, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^9, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 10, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 10, 20^4\})$	104960
20	$\mathcal{O}(0; \{4^6, 5, 10, 20^4\})$	419840
20	$\mathcal{O}(0; \{2, 5^6, 10, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^4, 5^3, 10^2, 20^4\})$	419424
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10^2, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^7, 10^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^2, 10^3, 20^4\})$	104832
20	$\mathcal{O}(0; \{2, 4^4, 10^3, 20^4\})$	419328
20	$\mathcal{O}(0; \{2^2, 5^2, 10^4, 20^4\})$	1677728
20	$\mathcal{O}(0; \{5, 10^6, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^9, 4, 20^5\})$	6528
20	$\mathcal{O}(0; \{2^6, 4^3, 20^5\})$	26112
20	$\mathcal{O}(0; \{2^3, 4^5, 20^5\})$	104448
20	$\mathcal{O}(0; \{4^7, 20^5\})$	417792
20	$\mathcal{O}(0; \{2, 4, 5^5, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 10, 20^5\})$	419456
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 10, 20^5\})$	1677824
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^3, 20^5\})$	1677696
20	$\mathcal{O}(0; \{4, 10^5, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^7, 5, 20^6\})$	104832
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 20^6\})$	419328
20	$\mathcal{O}(0; \{2, 4^4, 5, 20^6\})$	1677312
20	$\mathcal{O}(0; \{2^2, 5^3, 10, 20^6\})$	6710912
20	$\mathcal{O}(0; \{2^5, 10^2, 20^6\})$	419456
20	$\mathcal{O}(0; \{2^2, 4^2, 10^2, 20^6\})$	1677824
20	$\mathcal{O}(0; \{5^2, 10^3, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 20^7\})$	6710784
20	$\mathcal{O}(0; \{4, 5, 10^2, 20^7\})$	26843648
20	$\mathcal{O}(0; \{5^3, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2^3, 10, 20^8\})$	6710784
20	$\mathcal{O}(0; \{4^2, 10, 20^8\})$	26843136
20	$\mathcal{O}(0; \{2, 20^{10}\})$	107374592
21	$\mathcal{O}(3; \{7^2, 21^2\})$	31904997012
21	$\mathcal{O}(2; \{3^2, 7^5\})$	431747820
21	$\mathcal{O}(2; \{3^3, 7^2, 21^2\})$	361734660
21	$\mathcal{O}(2; \{7, 21^5\})$	12964103460
21	$\mathcal{O}(1; \{3^5, 7^5\})$	4895100

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(1; \{3, 7^7, 21\})$	211632372
21	$\mathcal{O}(1; \{3^6, 7^2, 21^2\})$	7054236
21	$\mathcal{O}(1; \{3^2, 7^4, 21^3\})$	176355900
21	$\mathcal{O}(1; \{3^3, 7, 21^5\})$	252814716
21	$\mathcal{O}(1; \{21^8\})$	9100191996
21	$\mathcal{O}(0; \{3^8, 7^5\})$	95460
21	$\mathcal{O}(0; \{3^4, 7^7, 21\})$	2399460
21	$\mathcal{O}(0; \{3^9, 7^2, 21^2\})$	126852
21	$\mathcal{O}(0; \{7^9, 21^2\})$	103656300
21	$\mathcal{O}(0; \{3^5, 7^4, 21^3\})$	3439140
21	$\mathcal{O}(0; \{3, 7^6, 21^4\})$	86380260
21	$\mathcal{O}(0; \{3^6, 7, 21^5\})$	4546212
21	$\mathcal{O}(0; \{3^2, 7^3, 21^6\})$	123811620
21	$\mathcal{O}(0; \{3^3, 21^8\})$	163643172
22	$\mathcal{O}(3; \{2, 11^2, 22\})$	10204191360
22	$\mathcal{O}(2; \{2^5, 11^2, 22\})$	21083040
22	$\mathcal{O}(2; \{2^3, 11, 22^3\})$	213172960
22	$\mathcal{O}(2; \{2, 22^5\})$	2129387040
22	$\mathcal{O}(1; \{11^8\})$	3300000330
22	$\mathcal{O}(1; \{2^9, 11^2, 22\})$	43560
22	$\mathcal{O}(1; \{2^7, 11, 22^3\})$	440440
22	$\mathcal{O}(1; \{2^5, 22^5\})$	4399560
22	$\mathcal{O}(0; \{2^4, 11^8\})$	9090910
22	$\mathcal{O}(0; \{2^{13}, 11^2, 22\})$	90
22	$\mathcal{O}(0; \{2^2, 11^7, 22^2\})$	90909090
22	$\mathcal{O}(0; \{2^{11}, 11, 22^3\})$	910
22	$\mathcal{O}(0; \{11^6, 22^4\})$	909090910
22	$\mathcal{O}(0; \{2^9, 22^5\})$	9090
24	$\mathcal{O}(3; \{3^4\})$	1128701952
24	$\mathcal{O}(3; \{2, 3^2, 6\})$	376233984
24	$\mathcal{O}(3; \{2^2, 6^2\})$	376233984
24	$\mathcal{O}(3; \{6, 12^2\})$	752467968
24	$\mathcal{O}(3; \{6, 8, 24\})$	1528823808
24	$\mathcal{O}(3; \{4, 24^2\})$	3057647616
24	$\mathcal{O}(2; \{2^4, 3^4\})$	1866240
24	$\mathcal{O}(2; \{3^7\})$	13063680
24	$\mathcal{O}(2; \{2, 3^4, 4^2\})$	3732480
24	$\mathcal{O}(2; \{2^5, 3^2, 6\})$	622080
24	$\mathcal{O}(2; \{2, 3^5, 6\})$	6842880
24	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6\})$	1244160
24	$\mathcal{O}(2; \{2^6, 6^2\})$	622080
24	$\mathcal{O}(2; \{2^2, 3^3, 6^2\})$	3110400
24	$\mathcal{O}(2; \{2^3, 4^2, 6^2\})$	1244160

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{4^4, 6^2\})$	4976640
24	$\mathcal{O}(2; \{2^3, 3, 6^3\})$	1866240
24	$\mathcal{O}(2; \{3, 4^2, 6^3\})$	3732480
24	$\mathcal{O}(2; \{3^2, 6^4\})$	6842880
24	$\mathcal{O}(2; \{2, 6^5\})$	3110400
24	$\mathcal{O}(2; \{3^2, 4, 6, 8^2\})$	5308416
24	$\mathcal{O}(2; \{2, 4, 6^2, 8^2\})$	5308416
24	$\mathcal{O}(2; \{2^2, 3^3, 4, 12\})$	3732480
24	$\mathcal{O}(2; \{2^3, 3, 4, 6, 12\})$	1244160
24	$\mathcal{O}(2; \{3, 4^3, 6, 12\})$	4976640
24	$\mathcal{O}(2; \{3^2, 4, 6^2, 12\})$	6220800
24	$\mathcal{O}(2; \{2, 4, 6^3, 12\})$	3732480
24	$\mathcal{O}(2; \{3^3, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2, 3, 6, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{2^3, 3^2, 12^2\})$	3732480
24	$\mathcal{O}(2; \{3^2, 4^2, 12^2\})$	14929920
24	$\mathcal{O}(2; \{2^4, 6, 12^2\})$	1244160
24	$\mathcal{O}(2; \{3^3, 6, 12^2\})$	13685760
24	$\mathcal{O}(2; \{2, 4^2, 6, 12^2\})$	4976640
24	$\mathcal{O}(2; \{2, 3, 6^2, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2, 3, 4, 12^3\})$	14929920
24	$\mathcal{O}(2; \{2^2, 12^4\})$	14929920
24	$\mathcal{O}(2; \{2^3, 3^2, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{3^2, 4^2, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2^4, 6, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{3^3, 6, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{2, 4^2, 6, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2, 3, 6^2, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{2, 3, 4, 8, 12, 24\})$	10616832
24	$\mathcal{O}(2; \{2^2, 8, 12^2, 24\})$	10616832
24	$\mathcal{O}(2; \{2^4, 4, 24^2\})$	5308416
24	$\mathcal{O}(2; \{3^3, 4, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2, 4^3, 24^2\})$	21233664
24	$\mathcal{O}(2; \{2, 3, 4, 6, 24^2\})$	15925248
24	$\mathcal{O}(2; \{2^2, 8^2, 24^2\})$	42467328
24	$\mathcal{O}(2; \{2, 3^2, 12, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^2, 6, 12, 24^2\})$	15925248
24	$\mathcal{O}(2; \{12^3, 24^2\})$	106168320
24	$\mathcal{O}(2; \{8, 12, 24^3\})$	254803968
24	$\mathcal{O}(2; \{6, 24^4\})$	212336640
24	$\mathcal{O}(1; \{2^8, 3^4\})$	2592
24	$\mathcal{O}(1; \{2^4, 3^7\})$	18144
24	$\mathcal{O}(1; \{3^{10}\})$	147744

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^5, 3^4, 4^2\})$	5184
24	$\mathcal{O}(1; \{2, 3^7, 4^2\})$	36288
24	$\mathcal{O}(1; \{2^2, 3^4, 4^4\})$	20736
24	$\mathcal{O}(1; \{2^9, 3^2, 6\})$	864
24	$\mathcal{O}(1; \{2^5, 3^5, 6\})$	9504
24	$\mathcal{O}(1; \{2, 3^8, 6\})$	73440
24	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6\})$	19008
24	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6\})$	6912
24	$\mathcal{O}(1; \{3^2, 4^6, 6\})$	27648
24	$\mathcal{O}(1; \{2^{10}, 6^2\})$	864
24	$\mathcal{O}(1; \{2^6, 3^3, 6^2\})$	4320
24	$\mathcal{O}(1; \{2^2, 3^6, 6^2\})$	37152
24	$\mathcal{O}(1; \{2^7, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^2\})$	8640
24	$\mathcal{O}(1; \{2^4, 4^4, 6^2\})$	6912
24	$\mathcal{O}(1; \{3^3, 4^4, 6^2\})$	34560
24	$\mathcal{O}(1; \{2, 4^6, 6^2\})$	27648
24	$\mathcal{O}(1; \{2^7, 3, 6^3\})$	2592
24	$\mathcal{O}(1; \{2^3, 3^4, 6^3\})$	18144
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^3\})$	5184
24	$\mathcal{O}(1; \{3^4, 4^2, 6^3\})$	36288
24	$\mathcal{O}(1; \{2, 3, 4^4, 6^3\})$	20736
24	$\mathcal{O}(1; \{2^4, 3^2, 6^4\})$	9504
24	$\mathcal{O}(1; \{3^5, 6^4\})$	73440
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^4\})$	19008
24	$\mathcal{O}(1; \{2^5, 6^5\})$	4320
24	$\mathcal{O}(1; \{2, 3^3, 6^5\})$	37152
24	$\mathcal{O}(1; \{2^2, 4^2, 6^5\})$	8640
24	$\mathcal{O}(1; \{2^2, 3, 6^6\})$	18144
24	$\mathcal{O}(1; \{6^8\})$	37152
24	$\mathcal{O}(1; \{2^3, 3^4, 4, 8^2\})$	27648
24	$\mathcal{O}(1; \{3^4, 4^3, 8^2\})$	110592
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 6, 8^2\})$	9216
24	$\mathcal{O}(1; \{3^5, 4, 6, 8^2\})$	101376
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 6, 8^2\})$	36864
24	$\mathcal{O}(1; \{2^5, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 3^3, 4, 6^2, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 4^3, 6^2, 8^2\})$	36864
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^3, 8^2\})$	27648
24	$\mathcal{O}(1; \{4, 6^5, 8^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^4, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8^4\})$	73728

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 6^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{4^2, 6^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{3, 6^3, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^6, 3^3, 4, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^6, 4, 12\})$	36288
24	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 12\})$	20736
24	$\mathcal{O}(1; \{3^3, 4^5, 12\})$	82944
24	$\mathcal{O}(1; \{2^7, 3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{2^3, 3^4, 4, 6, 12\})$	19008
24	$\mathcal{O}(1; \{2^4, 3, 4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{3^4, 4^3, 6, 12\})$	76032
24	$\mathcal{O}(1; \{2, 3, 4^5, 6, 12\})$	27648
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^2, 12\})$	8640
24	$\mathcal{O}(1; \{3^5, 4, 6^2, 12\})$	74304
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^2, 12\})$	34560
24	$\mathcal{O}(1; \{2^5, 4, 6^3, 12\})$	5184
24	$\mathcal{O}(1; \{2, 3^3, 4, 6^3, 12\})$	36288
24	$\mathcal{O}(1; \{2^2, 4^3, 6^3, 12\})$	20736
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^4, 12\})$	19008
24	$\mathcal{O}(1; \{4, 6^6, 12\})$	36288
24	$\mathcal{O}(1; \{2^4, 3^3, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{3^6, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2^5, 3, 6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2, 3^4, 6, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{2^3, 6^3, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{4^2, 6^3, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{3, 6^4, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{3, 4, 6, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{2^7, 3^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^3, 3^5, 12^2\})$	36288
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 12^2\})$	20736
24	$\mathcal{O}(1; \{3^5, 4^2, 12^2\})$	145152
24	$\mathcal{O}(1; \{2, 3^2, 4^4, 12^2\})$	82944
24	$\mathcal{O}(1; \{2^8, 6, 12^2\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^3, 6, 12^2\})$	19008
24	$\mathcal{O}(1; \{3^6, 6, 12^2\})$	146880
24	$\mathcal{O}(1; \{2^5, 4^2, 6, 12^2\})$	6912
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6, 12^2\})$	76032
24	$\mathcal{O}(1; \{2^2, 4^4, 6, 12^2\})$	27648
24	$\mathcal{O}(1; \{2^5, 3, 6^2, 12^2\})$	8640

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^4, 6^2, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2, 12^2\})$	34560
24	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 12^2\})$	36288
24	$\mathcal{O}(1; \{2^3, 6^4, 12^2\})$	19008
24	$\mathcal{O}(1; \{4^2, 6^4, 12^2\})$	76032
24	$\mathcal{O}(1; \{3, 6^5, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8^2, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^3, 4, 6, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{4^3, 6, 8^2, 12^2\})$	147456
24	$\mathcal{O}(1; \{3, 4, 6^2, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{3^2, 8^4, 12^2\})$	884736
24	$\mathcal{O}(1; \{2, 6, 8^4, 12^2\})$	294912
24	$\mathcal{O}(1; \{2^5, 3, 4, 12^3\})$	20736
24	$\mathcal{O}(1; \{2, 3^4, 4, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 12^3\})$	82944
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12^3\})$	76032
24	$\mathcal{O}(1; \{2^3, 4, 6^2, 12^3\})$	34560
24	$\mathcal{O}(1; \{4^3, 6^2, 12^3\})$	138240
24	$\mathcal{O}(1; \{3, 4, 6^3, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^3, 3, 8^2, 12^3\})$	110592
24	$\mathcal{O}(1; \{3, 4^2, 8^2, 12^3\})$	442368
24	$\mathcal{O}(1; \{3^2, 6, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{2, 6^2, 8^2, 12^3\})$	184320
24	$\mathcal{O}(1; \{2^6, 12^4\})$	20736
24	$\mathcal{O}(1; \{2^2, 3^3, 12^4\})$	145152
24	$\mathcal{O}(1; \{2^3, 4^2, 12^4\})$	82944
24	$\mathcal{O}(1; \{4^4, 12^4\})$	331776
24	$\mathcal{O}(1; \{2^3, 3, 6, 12^4\})$	76032
24	$\mathcal{O}(1; \{3, 4^2, 6, 12^4\})$	304128
24	$\mathcal{O}(1; \{3^2, 6^2, 12^4\})$	297216
24	$\mathcal{O}(1; \{2, 6^3, 12^4\})$	145152
24	$\mathcal{O}(1; \{2, 4, 8^2, 12^4\})$	442368
24	$\mathcal{O}(1; \{3^2, 4, 12^5\})$	580608
24	$\mathcal{O}(1; \{2, 4, 6, 12^5\})$	304128
24	$\mathcal{O}(1; \{2, 3, 12^6\})$	580608
24	$\mathcal{O}(1; \{2^7, 3^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^5, 8, 24\})$	50688
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3^5, 4^2, 8, 24\})$	202752
24	$\mathcal{O}(1; \{2, 3^2, 4^4, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^8, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^3, 6, 8, 24\})$	23040
24	$\mathcal{O}(1; \{3^6, 6, 8, 24\})$	198144

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^5, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2^2, 4^4, 6, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^5, 3, 6^2, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2, 3^4, 6^2, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2, 8, 24\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 8, 24\})$	50688
24	$\mathcal{O}(1; \{2^3, 6^4, 8, 24\})$	23040
24	$\mathcal{O}(1; \{4^2, 6^4, 8, 24\})$	92160
24	$\mathcal{O}(1; \{3, 6^5, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{2^3, 4, 6, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{4^3, 6, 8^3, 24\})$	589824
24	$\mathcal{O}(1; \{3, 4, 6^2, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{3^2, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2, 6, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^5, 3, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^4, 4, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 8, 12, 24\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{2^3, 4, 6^2, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{4^3, 6^2, 8, 12, 24\})$	221184
24	$\mathcal{O}(1; \{3, 4, 6^3, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 3, 8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{3, 4^2, 8^3, 12, 24\})$	589824
24	$\mathcal{O}(1; \{3^2, 6, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{2, 6^2, 8^3, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^6, 8, 12^2, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 4^2, 8, 12^2, 24\})$	73728
24	$\mathcal{O}(1; \{4^4, 8, 12^2, 24\})$	294912
24	$\mathcal{O}(1; \{2^3, 3, 6, 8, 12^2, 24\})$	92160
24	$\mathcal{O}(1; \{3, 4^2, 6, 8, 12^2, 24\})$	368640
24	$\mathcal{O}(1; \{3^2, 6^2, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2, 6^3, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{2, 4, 8^3, 12^2, 24\})$	589824
24	$\mathcal{O}(1; \{3^2, 4, 8, 12^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 4, 6, 8, 12^3, 24\})$	368640
24	$\mathcal{O}(1; \{2, 3, 8, 12^4, 24\})$	811008
24	$\mathcal{O}(1; \{2^8, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^3, 4, 24^2\})$	46080
24	$\mathcal{O}(1; \{3^6, 4, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^5, 4^3, 24^2\})$	36864

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^3, 4^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^2, 4^5, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^5, 3, 4, 6, 24^2\})$	27648
24	$\mathcal{O}(1; \{2, 3^4, 4, 6, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 6, 24^2\})$	110592
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^2, 24^2\})$	101376
24	$\mathcal{O}(1; \{2^3, 4, 6^3, 24^2\})$	46080
24	$\mathcal{O}(1; \{4^3, 6^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{3, 4, 6^4, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^6, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^3, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^3, 4^2, 8^2, 24^2\})$	294912
24	$\mathcal{O}(1; \{4^4, 8^2, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3, 6, 8^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{3, 4^2, 6, 8^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{3^2, 6^2, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 6^3, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2, 4, 8^4, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^5, 3^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^5, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 12, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^6, 6, 12, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^3, 6, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^3, 4^2, 6, 12, 24^2\})$	110592
24	$\mathcal{O}(1; \{4^4, 6, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^3, 3, 6^2, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{3, 4^2, 6^2, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{3^2, 6^3, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2, 6^4, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{3^2, 4, 8^2, 12, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2, 4, 6, 8^2, 12, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^3, 3, 4, 12^2, 24^2\})$	184320
24	$\mathcal{O}(1; \{3, 4^3, 12^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{3^2, 4, 6, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{2, 4, 6^2, 12^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{2, 3, 8^2, 12^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^4, 12^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{3^3, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2, 4^2, 12^3, 24^2\})$	737280
24	$\mathcal{O}(1; \{2, 3, 6, 12^3, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^3, 3, 4, 8, 24^3\})$	442368
24	$\mathcal{O}(1; \{3, 4^3, 8, 24^3\})$	1769472
24	$\mathcal{O}(1; \{3^2, 4, 6, 8, 24^3\})$	1622016

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 4, 6^2, 8, 24^3\})$	737280
24	$\mathcal{O}(1; \{2, 3, 8^3, 24^3\})$	3538944
24	$\mathcal{O}(1; \{2^4, 8, 12, 24^3\})$	442368
24	$\mathcal{O}(1; \{3^3, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2, 4^2, 8, 12, 24^3\})$	1769472
24	$\mathcal{O}(1; \{2, 3, 6, 8, 12, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^3, 3^2, 24^4\})$	811008
24	$\mathcal{O}(1; \{3^2, 4^2, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2^4, 6, 24^4\})$	368640
24	$\mathcal{O}(1; \{3^3, 6, 24^4\})$	3170304
24	$\mathcal{O}(1; \{2, 4^2, 6, 24^4\})$	1474560
24	$\mathcal{O}(1; \{2, 3, 6^2, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2, 3, 4, 12, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2^2, 12^2, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2^2, 8, 24^5\})$	5898240
24	$\mathcal{O}(1; \{12, 24^6\})$	49545216
24	$\mathcal{O}(0; \{2^7, 3^4, 4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^7, 4, 8^2\})$	336
24	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 8^2\})$	192
24	$\mathcal{O}(0; \{3^7, 4^3, 8^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^4, 4^5, 8^2\})$	768
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 6, 8^2\})$	176
24	$\mathcal{O}(0; \{3^8, 4, 6, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 6, 8^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6, 8^2\})$	256
24	$\mathcal{O}(0; \{2^9, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^2, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^6, 4, 6^2, 8^2\})$	688
24	$\mathcal{O}(0; \{2^6, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^2, 8^2\})$	320
24	$\mathcal{O}(0; \{2^3, 4^5, 6^2, 8^2\})$	256
24	$\mathcal{O}(0; \{4^7, 6^2, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^3, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^3, 8^2\})$	336
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^3, 8^2\})$	192
24	$\mathcal{O}(0; \{3, 4^5, 6^3, 8^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^4, 8^2\})$	176
24	$\mathcal{O}(0; \{3^2, 4^3, 6^4, 8^2\})$	704
24	$\mathcal{O}(0; \{2^4, 4, 6^5, 8^2\})$	80
24	$\mathcal{O}(0; \{3^3, 4, 6^5, 8^2\})$	688
24	$\mathcal{O}(0; \{2, 4^3, 6^5, 8^2\})$	320

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4, 6^6, 8^2\})$	336
24	$\mathcal{O}(0; \{2^5, 3^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^7, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8^4\})$	1536
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8^4\})$	512
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^7, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8^4\})$	640
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8^4\})$	2560
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8^4\})$	384
24	$\mathcal{O}(0; \{3^4, 6^3, 8^4\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8^4\})$	1536
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^2, 6^5, 8^4\})$	640
24	$\mathcal{O}(0; \{3^4, 4, 8^6\})$	12288
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^6\})$	4096
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^6\})$	4096
24	$\mathcal{O}(0; \{6^2, 8^8\})$	32768
24	$\mathcal{O}(0; \{2^8, 3^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^4, 3^6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^9, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{2^9, 3, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^5, 3^4, 6, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^7, 6, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{3, 4^6, 6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^2, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3^2, 4^4, 6^2, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^7, 6^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2^4, 4^2, 6^3, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{3^3, 4^2, 6^3, 8^2, 12\})$	1344

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4^4, 6^3, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{2^4, 3, 6^4, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{3^4, 6^4, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^4, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2, 3^2, 6^5, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^2, 6^6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^3, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{6^3, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8^2, 12^2\})$	768
24	$\mathcal{O}(0; \{3^2, 4^5, 8^2, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^7, 4, 6, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{2, 4^5, 6, 8^2, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{2^4, 3^2, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{3^5, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^4, 12^2\})$	6144
24	$\mathcal{O}(0; \{2^5, 6, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{6^4, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{4, 6, 8^6, 12^2\})$	16384
24	$\mathcal{O}(0; \{2^7, 3, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^3, 3^4, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{3^4, 4^2, 8^2, 12^3\})$	5376

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^4, 8^2, 12^3\})$	3072
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{3^5, 6, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2^5, 6^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^2, 12^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{6^5, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^4, 12^3\})$	6144
24	$\mathcal{O}(0; \{4, 6^2, 8^4, 12^3\})$	10240
24	$\mathcal{O}(0; \{3, 8^6, 12^3\})$	49152
24	$\mathcal{O}(0; \{2^5, 4, 8^2, 12^4\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 12^4\})$	3072
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 12^4\})$	2816
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^3, 8^4, 12^4\})$	6144
24	$\mathcal{O}(0; \{4^2, 8^4, 12^4\})$	24576
24	$\mathcal{O}(0; \{3, 6, 8^4, 12^4\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12^5\})$	5376
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12^5\})$	2816
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12^5\})$	11264
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^6\})$	21504
24	$\mathcal{O}(0; \{2, 8^2, 12^7\})$	21504
24	$\mathcal{O}(0; \{2^{11}, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^7, 3^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3^8, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^8, 4^2, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2, 3^5, 4^4, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 8, 24\})$	512
24	$\mathcal{O}(0; \{2^{12}, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^8, 3^3, 6, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 3^6, 6, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^9, 6, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^9, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 6, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^6, 4^4, 6, 8, 24\})$	128

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^3, 4^6, 6, 8, 24\})$	512
24	$\mathcal{O}(0; \{4^8, 6, 8, 24\})$	2048
24	$\mathcal{O}(0; \{2^9, 3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^7, 6^2, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^2, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^2, 8, 24\})$	384
24	$\mathcal{O}(0; \{3, 4^6, 6^2, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^3, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^2, 4^4, 6^3, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^7, 6^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 8, 24\})$	344
24	$\mathcal{O}(0; \{2^4, 4^2, 6^4, 8, 24\})$	160
24	$\mathcal{O}(0; \{3^3, 4^2, 6^4, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2, 4^4, 6^4, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^4, 3, 6^5, 8, 24\})$	168
24	$\mathcal{O}(0; \{3^4, 6^5, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^5, 8, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^2, 6^6, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^2, 6^7, 8, 24\})$	344
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3^2, 4^5, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^7, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{2, 4^5, 6, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^2, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{3^5, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2^5, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^5, 24\})$	10240

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{6^4, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{4, 6, 8^7, 24\})$	65536
24	$\mathcal{O}(0; \{2^9, 3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^7, 4, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{3, 4^7, 8, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{3^2, 4^5, 6, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^7, 4, 6^2, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2, 4^5, 6^2, 8, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{3^4, 4, 6^3, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^2, 4, 6^5, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{2^7, 3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^4, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3^4, 4^2, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4^4, 8^3, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{3^5, 6, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2^5, 6^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^3, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{6^5, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^5, 12, 24\})$	8192
24	$\mathcal{O}(0; \{4, 6^2, 8^5, 12, 24\})$	24576
24	$\mathcal{O}(0; \{3, 8^7, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 8, 12^2, 24\})$	352

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^7, 4^2, 8, 12^2, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^4, 8, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{3^3, 4^4, 8, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2, 4^6, 8, 12^2, 24\})$	2048
24	$\mathcal{O}(0; \{2^7, 3, 6, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{3^5, 6^2, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^5, 6^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{6^6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^5, 4, 8^3, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 4^3, 8^3, 12^2, 24\})$	4096
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^3, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{4, 6^3, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 8^5, 12^2, 24\})$	8192
24	$\mathcal{O}(0; \{4^2, 8^5, 12^2, 24\})$	32768
24	$\mathcal{O}(0; \{3, 6, 8^5, 12^2, 24\})$	40960
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^5, 4, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8, 12^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^5, 4, 6, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8, 12^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{4, 6^4, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 8^3, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 6, 8^3, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{4^2, 6, 8^3, 12^3, 24\})$	20480
24	$\mathcal{O}(0; \{3, 6^2, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{2^5, 3, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^4, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 12^4, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 12^4, 24\})$	5504

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 12^4, 24\})$	10752
24	$\mathcal{O}(0; \{3, 6^3, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{3, 4, 8^3, 12^4, 24\})$	45056
24	$\mathcal{O}(0; \{2^3, 4, 8, 12^5, 24\})$	5632
24	$\mathcal{O}(0; \{4^3, 8, 12^5, 24\})$	22528
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12^5, 24\})$	22016
24	$\mathcal{O}(0; \{2, 8^3, 12^5, 24\})$	45056
24	$\mathcal{O}(0; \{3^2, 8, 12^6, 24\})$	43520
24	$\mathcal{O}(0; \{2, 6, 8, 12^6, 24\})$	22016
24	$\mathcal{O}(0; \{2^{12}, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^8, 3^3, 4, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 3^6, 4, 24^2\})$	688
24	$\mathcal{O}(0; \{3^9, 4, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^9, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3^6, 4^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^6, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^3, 4^7, 24^2\})$	1024
24	$\mathcal{O}(0; \{4^9, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^9, 3, 4, 6, 24^2\})$	48
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 6, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^7, 4, 6, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 6, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 6, 24^2\})$	768
24	$\mathcal{O}(0; \{3, 4^7, 6, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^2, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^2, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^2, 24^2\})$	704
24	$\mathcal{O}(0; \{3^2, 4^5, 6^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^7, 4, 6^3, 24^2\})$	80
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^3, 24^2\})$	688
24	$\mathcal{O}(0; \{2^4, 4^3, 6^3, 24^2\})$	320
24	$\mathcal{O}(0; \{3^3, 4^3, 6^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 4^5, 6^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^4, 24^2\})$	336
24	$\mathcal{O}(0; \{3^4, 4, 6^4, 24^2\})$	2736
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^4, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^5, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^2, 4, 6^6, 24^2\})$	688
24	$\mathcal{O}(0; \{2^{10}, 8^2, 24^2\})$	128

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^7, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^4, 4^4, 8^2, 24^2\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^4, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2, 4^6, 8^2, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^7, 3, 6, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^5, 6^2, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^5, 6^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{6^6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^2, 4^3, 8^4, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^4, 24^2\})$	12288
24	$\mathcal{O}(0; \{4, 6^3, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 8^6, 24^2\})$	32768
24	$\mathcal{O}(0; \{4^2, 8^6, 24^2\})$	131072
24	$\mathcal{O}(0; \{3, 6, 8^6, 24^2\})$	98304
24	$\mathcal{O}(0; \{2^9, 3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 3^5, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^8, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^6, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^{10}, 6, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2^6, 3^3, 6, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^6, 6, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^7, 4^2, 6, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 4^4, 6, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{3^3, 4^4, 6, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 4^6, 6, 12, 24^2\})$	3072

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3, 6^2, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{3^5, 6^3, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^5, 6^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^3, 6^4, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 6^5, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{6^7, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^5, 4, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^2, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^5, 4, 6, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8^2, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{4, 6^4, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 8^4, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 6, 8^4, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{4^2, 6, 8^4, 12, 24^2\})$	49152
24	$\mathcal{O}(0; \{3, 6^2, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^7, 3, 4, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^4, 4^3, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^5, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^5, 4, 6, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 12^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{4, 6^5, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^5, 3, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 3^4, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^2, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 6^2, 8^2, 12^2, 24^2\})$	5632

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^2, 6^2, 8^2, 12^2, 24^2\})$	22528
24	$\mathcal{O}(0; \{3, 6^3, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{3, 4, 8^4, 12^2, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^8, 12^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2^4, 3^3, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^6, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2^5, 4^2, 12^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^4, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^5, 3, 6, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^4, 6, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12^3, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^3, 6^3, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{4^2, 6^3, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{3, 6^4, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^3, 4, 8^2, 12^3, 24^2\})$	10240
24	$\mathcal{O}(0; \{4^3, 8^2, 12^3, 24^2\})$	40960
24	$\mathcal{O}(0; \{3, 4, 6, 8^2, 12^3, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 8^4, 12^3, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^4, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 4, 6, 12^4, 24^2\})$	5376
24	$\mathcal{O}(0; \{4^3, 6, 12^4, 24^2\})$	21504
24	$\mathcal{O}(0; \{3, 4, 6^2, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{3^2, 8^2, 12^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2, 6, 8^2, 12^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^3, 3, 12^5, 24^2\})$	11008
24	$\mathcal{O}(0; \{3, 4^2, 12^5, 24^2\})$	44032
24	$\mathcal{O}(0; \{3^2, 6, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{2, 6^2, 12^5, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 4, 12^6, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^7, 3, 4, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{3^4, 4^3, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4^5, 8, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{3^5, 4, 6, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 8, 24^3\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 8, 24^3\})$	5376

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4, 6^5, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^5, 3, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2, 3^4, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^3, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^3, 6^2, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{4^2, 6^2, 8^3, 24^3\})$	40960
24	$\mathcal{O}(0; \{3, 6^3, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{3, 4, 8^5, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^8, 8, 12, 24^3\})$	768
24	$\mathcal{O}(0; \{2^4, 3^3, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^6, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2^5, 4^2, 8, 12, 24^3\})$	3072
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^2, 4^4, 8, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^5, 3, 6, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^4, 6, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8, 12, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^3, 6^3, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{4^2, 6^3, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{3, 6^4, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^3, 4, 8^3, 12, 24^3\})$	24576
24	$\mathcal{O}(0; \{4^3, 8^3, 12, 24^3\})$	98304
24	$\mathcal{O}(0; \{3, 4, 6, 8^3, 12, 24^3\})$	90112
24	$\mathcal{O}(0; \{2, 8^5, 12, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8, 12^2, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^3, 4, 6, 8, 12^2, 24^3\})$	11264
24	$\mathcal{O}(0; \{4^3, 6, 8, 12^2, 24^3\})$	45056
24	$\mathcal{O}(0; \{3, 4, 6^2, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{3^2, 8^3, 12^2, 24^3\})$	172032
24	$\mathcal{O}(0; \{2, 6, 8^3, 12^2, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^3, 3, 8, 12^3, 24^3\})$	21504
24	$\mathcal{O}(0; \{3, 4^2, 8, 12^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{3^2, 6, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{2, 6^2, 8, 12^3, 24^3\})$	44032
24	$\mathcal{O}(0; \{2, 4, 8, 12^4, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^7, 3^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^5, 24^4\})$	10880
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{3^5, 4^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^8, 6, 24^4\})$	640

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 24^4\})$	5504
24	$\mathcal{O}(0; \{3^6, 6, 24^4\})$	43648
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 24^4\})$	2560
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 24^4\})$	10880
24	$\mathcal{O}(0; \{2^3, 6^4, 24^4\})$	5504
24	$\mathcal{O}(0; \{4^2, 6^4, 24^4\})$	22016
24	$\mathcal{O}(0; \{3, 6^5, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^2, 24^4\})$	20480
24	$\mathcal{O}(0; \{4^3, 6, 8^2, 24^4\})$	81920
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{3^2, 8^4, 24^4\})$	360448
24	$\mathcal{O}(0; \{2, 6, 8^4, 24^4\})$	163840
24	$\mathcal{O}(0; \{2^5, 3, 4, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^4, 4, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 12, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{4^3, 6^2, 12, 24^4\})$	43008
24	$\mathcal{O}(0; \{3, 4, 6^3, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 3, 8^2, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{3, 4^2, 8^2, 12, 24^4\})$	180224
24	$\mathcal{O}(0; \{3^2, 6, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 6^2, 8^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^6, 12^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^3, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 4^2, 12^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{4^4, 12^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^3, 3, 6, 12^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{3, 4^2, 6, 12^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{3^2, 6^2, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 6^3, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2, 4, 8^2, 12^2, 24^4\})$	180224
24	$\mathcal{O}(0; \{3^2, 4, 12^3, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 4, 6, 12^3, 24^4\})$	88064
24	$\mathcal{O}(0; \{2, 3, 12^4, 24^4\})$	174080
24	$\mathcal{O}(0; \{2^6, 8, 24^5\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^3, 8, 24^5\})$	88064

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 4^2, 8, 24^5\})$	40960
24	$\mathcal{O}(0; \{4^4, 8, 24^5\})$	163840
24	$\mathcal{O}(0; \{2^3, 3, 6, 8, 24^5\})$	43008
24	$\mathcal{O}(0; \{3, 4^2, 6, 8, 24^5\})$	172032
24	$\mathcal{O}(0; \{3^2, 6^2, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2, 6^3, 8, 24^5\})$	88064
24	$\mathcal{O}(0; \{2, 4, 8^3, 24^5\})$	327680
24	$\mathcal{O}(0; \{3^2, 4, 8, 12, 24^5\})$	352256
24	$\mathcal{O}(0; \{2, 4, 6, 8, 12, 24^5\})$	172032
24	$\mathcal{O}(0; \{2, 3, 8, 12^2, 24^5\})$	352256
24	$\mathcal{O}(0; \{2^3, 3, 4, 24^6\})$	86016
24	$\mathcal{O}(0; \{3, 4^3, 24^6\})$	344064
24	$\mathcal{O}(0; \{3^2, 4, 6, 24^6\})$	348160
24	$\mathcal{O}(0; \{2, 4, 6^2, 24^6\})$	176128
24	$\mathcal{O}(0; \{2, 3, 8^2, 24^6\})$	688128
24	$\mathcal{O}(0; \{2^4, 12, 24^6\})$	86016
24	$\mathcal{O}(0; \{3^3, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{2, 4^2, 12, 24^6\})$	344064
24	$\mathcal{O}(0; \{2, 3, 6, 12, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^2, 24^8\})$	1409024
25	$\mathcal{O}(3; \{5^3\})$	2929500000
25	$\mathcal{O}(1; \{5^8\})$	7864800
25	$\mathcal{O}(1; \{5^2, 25^5\})$	1275000000
26	$\mathcal{O}(1; \{2^3, 13^4, 26\})$	12938640
26	$\mathcal{O}(1; \{2, 13^3, 26^3\})$	155271792
26	$\mathcal{O}(0; \{2^7, 13^4, 26\})$	19140
26	$\mathcal{O}(0; \{2^5, 13^3, 26^3\})$	229692
26	$\mathcal{O}(0; \{2^3, 13^2, 26^5\})$	2756292
26	$\mathcal{O}(0; \{2, 13, 26^7\})$	33075516
27	$\mathcal{O}(3; \{27^2\})$	6973568802
27	$\mathcal{O}(2; \{3^3, 27^2\})$	76527504
27	$\mathcal{O}(1; \{3^6, 27^2\})$	839808
27	$\mathcal{O}(1; \{3^2, 9^3, 27^2\})$	11337408
27	$\mathcal{O}(0; \{3^9, 27^2\})$	9216
27	$\mathcal{O}(0; \{3^5, 9^3, 27^2\})$	124416
27	$\mathcal{O}(0; \{3, 9^6, 27^2\})$	1679616
27	$\mathcal{O}(0; \{3^2, 9^2, 27^5\})$	9447840
28	$\mathcal{O}(3; \{7^2\})$	2846164608
28	$\mathcal{O}(2; \{2^4, 7^2\})$	3457440
28	$\mathcal{O}(2; \{2, 4^2, 7^2\})$	7375872
28	$\mathcal{O}(2; \{2^2, 7, 14^2\})$	17287200
28	$\mathcal{O}(2; \{14^4\})$	107180640
28	$\mathcal{O}(2; \{7, 14, 28^2\})$	228652032

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(1; \{2^8, 7^2\})$	3528
28	$\mathcal{O}(1; \{2^5, 4^2, 7^2\})$	9408
28	$\mathcal{O}(1; \{2^2, 4^4, 7^2\})$	37632
28	$\mathcal{O}(1; \{2, 7^5, 14\})$	3919608
28	$\mathcal{O}(1; \{2^6, 7, 14^2\})$	17640
28	$\mathcal{O}(1; \{2^3, 4^2, 7, 14^2\})$	47040
28	$\mathcal{O}(1; \{4^4, 7, 14^2\})$	188160
28	$\mathcal{O}(1; \{2^4, 14^4\})$	109368
28	$\mathcal{O}(1; \{2, 4^2, 14^4\})$	291648
28	$\mathcal{O}(1; \{2, 4, 7^3, 14, 28\})$	1740480
28	$\mathcal{O}(1; \{2^4, 7, 14, 28^2\})$	291648
28	$\mathcal{O}(1; \{2, 4^2, 7, 14, 28^2\})$	1166592
28	$\mathcal{O}(1; \{2^2, 14^3, 28^2\})$	1740480
28	$\mathcal{O}(1; \{2^2, 7, 28^4\})$	6961920
28	$\mathcal{O}(1; \{14^2, 28^4\})$	41809152
28	$\mathcal{O}(0; \{2^9, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{2^6, 4^4, 7^2\})$	48
28	$\mathcal{O}(0; \{2^3, 4^6, 7^2\})$	192
28	$\mathcal{O}(0; \{4^8, 7^2\})$	768
28	$\mathcal{O}(0; \{2^2, 4^2, 7^5, 14\})$	13332
28	$\mathcal{O}(0; \{2^7, 4^2, 7, 14^2\})$	60
28	$\mathcal{O}(0; \{2^4, 4^4, 7, 14^2\})$	240
28	$\mathcal{O}(0; \{2, 4^6, 7, 14^2\})$	960
28	$\mathcal{O}(0; \{4^2, 7^4, 14^3\})$	79980
28	$\mathcal{O}(0; \{2^5, 4^2, 14^4\})$	372
28	$\mathcal{O}(0; \{2^2, 4^4, 14^4\})$	1488
28	$\mathcal{O}(0; \{4, 7^7, 28\})$	479892
28	$\mathcal{O}(0; \{2^5, 4, 7^3, 14, 28\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^3, 7^3, 14, 28\})$	8880
28	$\mathcal{O}(0; \{2^3, 4, 7^2, 14^3, 28\})$	13332
28	$\mathcal{O}(0; \{4^3, 7^2, 14^3, 28\})$	53328
28	$\mathcal{O}(0; \{2, 4, 7, 14^5, 28\})$	79980
28	$\mathcal{O}(0; \{2^3, 7^5, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 7^5, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^8, 7, 14, 28^2\})$	372
28	$\mathcal{O}(0; \{2^5, 4^2, 7, 14, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^2, 4^4, 7, 14, 28^2\})$	5952
28	$\mathcal{O}(0; \{2, 7^4, 14^2, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^6, 14^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^3, 4^2, 14^3, 28^2\})$	8880
28	$\mathcal{O}(0; \{4^4, 14^3, 28^2\})$	35520
28	$\mathcal{O}(0; \{2^3, 4, 7^3, 28^3\})$	53328
28	$\mathcal{O}(0; \{4^3, 7^3, 28^3\})$	213312

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2, 4, 7^2, 14^2, 28^3\})$	319920
28	$\mathcal{O}(0; \{2^6, 7, 28^4\})$	8880
28	$\mathcal{O}(0; \{2^3, 4^2, 7, 28^4\})$	35520
28	$\mathcal{O}(0; \{4^4, 7, 28^4\})$	142080
28	$\mathcal{O}(0; \{2^4, 14^2, 28^4\})$	53328
28	$\mathcal{O}(0; \{2, 4^2, 14^2, 28^4\})$	213312
28	$\mathcal{O}(0; \{2^2, 14, 28^6\})$	1279680
28	$\mathcal{O}(0; \{28^8\})$	30713088
30	$\mathcal{O}(3; \{3^2\})$	1435126896
30	$\mathcal{O}(2; \{2^4, 3^2\})$	1617408
30	$\mathcal{O}(2; \{3^5\})$	7581600
30	$\mathcal{O}(2; \{2, 3^3, 6\})$	4852224
30	$\mathcal{O}(2; \{2^2, 3, 6^2\})$	1617408
30	$\mathcal{O}(2; \{6^4\})$	4852224
30	$\mathcal{O}(2; \{3, 6, 10, 15\})$	6480000
30	$\mathcal{O}(2; \{3, 5, 15^2\})$	18225000
30	$\mathcal{O}(2; \{3, 5, 10, 30\})$	19440000
30	$\mathcal{O}(2; \{2, 15^2, 30\})$	19440000
30	$\mathcal{O}(2; \{2, 10, 30^2\})$	19440000
30	$\mathcal{O}(1; \{2^8, 3^2\})$	1728
30	$\mathcal{O}(1; \{2^4, 3^5\})$	8640
30	$\mathcal{O}(1; \{3^8\})$	55728
30	$\mathcal{O}(1; \{3^2, 5^5\})$	275400
30	$\mathcal{O}(1; \{2^5, 3^3, 6\})$	5184
30	$\mathcal{O}(1; \{2, 3^6, 6\})$	36288
30	$\mathcal{O}(1; \{2^6, 3, 6^2\})$	1728
30	$\mathcal{O}(1; \{2^2, 3^4, 6^2\})$	19008
30	$\mathcal{O}(1; \{2^3, 3^2, 6^3\})$	8640
30	$\mathcal{O}(1; \{2^4, 6^4\})$	5184
30	$\mathcal{O}(1; \{3^3, 6^4\})$	36288
30	$\mathcal{O}(1; \{2, 3, 6^5\})$	19008
30	$\mathcal{O}(1; \{2^3, 3^2, 5^2, 10\})$	21600
30	$\mathcal{O}(1; \{3^3, 5^2, 6, 10\})$	64800
30	$\mathcal{O}(1; \{2, 3, 5^2, 6^2, 10\})$	21600
30	$\mathcal{O}(1; \{2, 3^2, 5, 10^3\})$	93600
30	$\mathcal{O}(1; \{3^3, 5^3, 15\})$	210600
30	$\mathcal{O}(1; \{2, 3, 5^3, 6, 15\})$	93600
30	$\mathcal{O}(1; \{2^3, 3^3, 10, 15\})$	21600
30	$\mathcal{O}(1; \{2^4, 3, 6, 10, 15\})$	7200
30	$\mathcal{O}(1; \{3^4, 6, 10, 15\})$	79200
30	$\mathcal{O}(1; \{2, 3^2, 6^2, 10, 15\})$	36000
30	$\mathcal{O}(1; \{2^2, 6^3, 10, 15\})$	21600
30	$\mathcal{O}(1; \{2^4, 3, 5, 15^2\})$	21600

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{3^4, 5, 15^2\})$	178200
30	$\mathcal{O}(1; \{2, 3^2, 5, 6, 15^2\})$	108000
30	$\mathcal{O}(1; \{2^2, 5, 6^2, 15^2\})$	64800
30	$\mathcal{O}(1; \{2^2, 3, 10^2, 15^2\})$	93600
30	$\mathcal{O}(1; \{6^2, 10^2, 15^2\})$	280800
30	$\mathcal{O}(1; \{5, 6, 10, 15^3\})$	1101600
30	$\mathcal{O}(1; \{5^2, 15^4\})$	3321000
30	$\mathcal{O}(1; \{3, 15^5\})$	3029400
30	$\mathcal{O}(1; \{2, 3, 5^4, 30\})$	367200
30	$\mathcal{O}(1; \{2^4, 3, 5, 10, 30\})$	21600
30	$\mathcal{O}(1; \{3^4, 5, 10, 30\})$	108000
30	$\mathcal{O}(1; \{2, 3^2, 5, 6, 10, 30\})$	64800
30	$\mathcal{O}(1; \{2^2, 5, 6^2, 10, 30\})$	21600
30	$\mathcal{O}(1; \{2^2, 3, 10^3, 30\})$	93600
30	$\mathcal{O}(1; \{6^2, 10^3, 30\})$	93600
30	$\mathcal{O}(1; \{2, 3^2, 5^2, 15, 30\})$	280800
30	$\mathcal{O}(1; \{2^2, 5^2, 6, 15, 30\})$	93600
30	$\mathcal{O}(1; \{5, 6, 10^2, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2^5, 15^2, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^3, 15^2, 30\})$	237600
30	$\mathcal{O}(1; \{2^2, 3, 6, 15^2, 30\})$	108000
30	$\mathcal{O}(1; \{6^3, 15^2, 30\})$	237600
30	$\mathcal{O}(1; \{5^2, 10, 15^2, 30\})$	1476000
30	$\mathcal{O}(1; \{3, 10, 15^3, 30\})$	1836000
30	$\mathcal{O}(1; \{2^2, 5^3, 30^2\})$	367200
30	$\mathcal{O}(1; \{2^5, 10, 30^2\})$	21600
30	$\mathcal{O}(1; \{2, 3^3, 10, 30^2\})$	108000
30	$\mathcal{O}(1; \{2^2, 3, 6, 10, 30^2\})$	64800
30	$\mathcal{O}(1; \{6^3, 10, 30^2\})$	108000
30	$\mathcal{O}(1; \{5^2, 10^2, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3, 5, 15, 30^2\})$	280800
30	$\mathcal{O}(1; \{5, 6^2, 15, 30^2\})$	468000
30	$\mathcal{O}(1; \{3, 10^2, 15, 30^2\})$	1101600
30	$\mathcal{O}(1; \{5^2, 6, 30^3\})$	1101600
30	$\mathcal{O}(1; \{2^3, 15, 30^3\})$	280800
30	$\mathcal{O}(1; \{3, 6, 15, 30^3\})$	1029600
30	$\mathcal{O}(1; \{3, 5, 30^4\})$	1836000
30	$\mathcal{O}(1; \{2, 30^5\})$	1836000
30	$\mathcal{O}(0; \{2^4, 3^2, 5^5\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^5, 6\})$	1224
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 6^2\})$	408
30	$\mathcal{O}(0; \{5^5, 6^4\})$	1224
30	$\mathcal{O}(0; \{2^7, 3^2, 5^2, 10\})$	24

Continued on next page

Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3^5, 5^2, 10\})$	120
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 6, 10\})$	72
30	$\mathcal{O}(0; \{3^6, 5^2, 6, 10\})$	504
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6^2, 10\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^3, 10\})$	120
30	$\mathcal{O}(0; \{2^3, 5^2, 6^4, 10\})$	72
30	$\mathcal{O}(0; \{3, 5^2, 6^5, 10\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4, 10^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^4, 6^2, 10^2\})$	1640
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 10^3\})$	104
30	$\mathcal{O}(0; \{2, 3^5, 5, 10^3\})$	520
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 10^3\})$	312
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 10^3\})$	104
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 10^3\})$	520
30	$\mathcal{O}(0; \{2, 5, 6^4, 10^3\})$	312
30	$\mathcal{O}(0; \{3^2, 5^3, 10^4\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^2, 10^5\})$	408
30	$\mathcal{O}(0; \{3^3, 6, 10^5\})$	1224
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^5\})$	408
30	$\mathcal{O}(0; \{2^4, 3^3, 5^3, 15\})$	312
30	$\mathcal{O}(0; \{2^5, 3, 5^3, 6, 15\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 5^3, 6, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 6^2, 15\})$	520
30	$\mathcal{O}(0; \{2^3, 5^3, 6^3, 15\})$	312
30	$\mathcal{O}(0; \{3, 5^3, 6^4, 15\})$	1144
30	$\mathcal{O}(0; \{2^7, 3^3, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^6, 10, 15\})$	168
30	$\mathcal{O}(0; \{2^8, 3, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^4, 3^4, 6, 10, 15\})$	88
30	$\mathcal{O}(0; \{3^7, 6, 10, 15\})$	680
30	$\mathcal{O}(0; \{3, 5^5, 6, 10, 15\})$	6552
30	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 10, 15\})$	40
30	$\mathcal{O}(0; \{2, 3^5, 6^2, 10, 15\})$	344
30	$\mathcal{O}(0; \{2^6, 6^3, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 10, 15\})$	168
30	$\mathcal{O}(0; \{2^3, 3, 6^4, 10, 15\})$	88
30	$\mathcal{O}(0; \{3^2, 6^5, 10, 15\})$	344
30	$\mathcal{O}(0; \{2, 6^6, 10, 15\})$	168
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 10^2, 15\})$	1224
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{3^2, 5^2, 6^2, 10^2, 15\})$	2040
30	$\mathcal{O}(0; \{2, 5^2, 6^3, 10^2, 15\})$	1224

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^3, 5, 10^4, 15\})$	4920
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10^4, 15\})$	1640
30	$\mathcal{O}(0; \{2^8, 3, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 5, 15^2\})$	264
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 6, 15^2\})$	120
30	$\mathcal{O}(0; \{2, 3^5, 5, 6, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^6, 5, 6^2, 15^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6^2, 15^2\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^3, 15^2\})$	264
30	$\mathcal{O}(0; \{3^2, 5, 6^4, 15^2\})$	1032
30	$\mathcal{O}(0; \{2, 5, 6^5, 15^2\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 10, 15^2\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 10, 15^2\})$	8200
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 10, 15^2\})$	4920
30	$\mathcal{O}(0; \{2^6, 3, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 10^2, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10^2, 15^2\})$	520
30	$\mathcal{O}(0; \{2^4, 6^2, 10^2, 15^2\})$	312
30	$\mathcal{O}(0; \{3^3, 6^2, 10^2, 15^2\})$	2184
30	$\mathcal{O}(0; \{2, 3, 6^3, 10^2, 15^2\})$	1144
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^3, 15^2\})$	6552
30	$\mathcal{O}(0; \{2, 5^4, 6, 15^3\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 10, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^4, 5, 6, 10, 15^3\})$	1224
30	$\mathcal{O}(0; \{3^3, 5, 6, 10, 15^3\})$	8568
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 10, 15^3\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 10^3, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 6, 10^3, 15^3\})$	4920
30	$\mathcal{O}(0; \{2^4, 5^2, 15^4\})$	4920
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 15^4\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 10^2, 15^4\})$	19656
30	$\mathcal{O}(0; \{10^4, 15^4\})$	78648
30	$\mathcal{O}(0; \{2^4, 3, 15^5\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 6, 15^5\})$	17544
30	$\mathcal{O}(0; \{2^2, 6^2, 15^5\})$	8568
30	$\mathcal{O}(0; \{6, 10, 15^6\})$	137592
30	$\mathcal{O}(0; \{2^5, 3, 5^4, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^4, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4, 6, 30\})$	1224
30	$\mathcal{O}(0; \{2^3, 5^4, 6^2, 30\})$	408
30	$\mathcal{O}(0; \{3, 5^4, 6^3, 30\})$	2040
30	$\mathcal{O}(0; \{2^8, 3, 5, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 5, 10, 30\})$	120

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^7, 5, 10, 30\})$	1032
30	$\mathcal{O}(0; \{3, 5^6, 10, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 6, 10, 30\})$	72
30	$\mathcal{O}(0; \{2, 3^5, 5, 6, 10, 30\})$	504
30	$\mathcal{O}(0; \{2^6, 5, 6^2, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6^2, 10, 30\})$	264
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^3, 10, 30\})$	120
30	$\mathcal{O}(0; \{3^2, 5, 6^4, 10, 30\})$	504
30	$\mathcal{O}(0; \{2, 5, 6^5, 10, 30\})$	264
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 10^2, 30\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 10^2, 30\})$	4920
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 10^2, 30\})$	1640
30	$\mathcal{O}(0; \{2^6, 3, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 10^3, 30\})$	520
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10^3, 30\})$	312
30	$\mathcal{O}(0; \{2^4, 6^2, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{3^3, 6^2, 10^3, 30\})$	1144
30	$\mathcal{O}(0; \{2, 3, 6^3, 10^3, 30\})$	520
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^4, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 3^2, 5^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^5, 5^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^6, 5^2, 6, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 6, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6^2, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^2, 5^2, 6^3, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2, 5^2, 6^4, 15, 30\})$	1144
30	$\mathcal{O}(0; \{3^2, 5^4, 10, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2, 5^4, 6, 10, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 10^2, 15, 30\})$	1224
30	$\mathcal{O}(0; \{2^4, 5, 6, 10^2, 15, 30\})$	408
30	$\mathcal{O}(0; \{3^3, 5, 6, 10^2, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 10^2, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 10^4, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 6, 10^4, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^9, 15^2, 30\})$	24
30	$\mathcal{O}(0; \{2^5, 3^3, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{2, 3^6, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5^5, 15^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^6, 3, 6, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3^4, 6, 15^2, 30\})$	1032
30	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 15^2, 30\})$	504
30	$\mathcal{O}(0; \{2^4, 6^3, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{3^3, 6^3, 15^2, 30\})$	2040

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3, 6^4, 15^2, 30\})$	1032
30	$\mathcal{O}(0; \{2^4, 5^2, 10, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^2, 10, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 10, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 10^3, 15^2, 30\})$	6552
30	$\mathcal{O}(0; \{10^5, 15^2, 30\})$	26216
30	$\mathcal{O}(0; \{2, 3, 5^3, 15^3, 30\})$	32760
30	$\mathcal{O}(0; \{2^4, 3, 10, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{3^4, 10, 15^3, 30\})$	17544
30	$\mathcal{O}(0; \{2, 3^2, 6, 10, 15^3, 30\})$	8568
30	$\mathcal{O}(0; \{2^2, 6^2, 10, 15^3, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5, 15^4, 30\})$	34440
30	$\mathcal{O}(0; \{2^2, 5, 6, 15^4, 30\})$	18040
30	$\mathcal{O}(0; \{6, 10^2, 15^4, 30\})$	72072
30	$\mathcal{O}(0; \{5, 10, 15^5, 30\})$	288376
30	$\mathcal{O}(0; \{2^6, 5^3, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 6, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^2, 5^3, 6^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 5^3, 6^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^9, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{2^5, 3^3, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3^6, 10, 30^2\})$	1032
30	$\mathcal{O}(0; \{2, 5^5, 10, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^6, 3, 6, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3^4, 6, 10, 30^2\})$	504
30	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 10, 30^2\})$	264
30	$\mathcal{O}(0; \{2^4, 6^3, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{3^3, 6^3, 10, 30^2\})$	1032
30	$\mathcal{O}(0; \{2, 3, 6^4, 10, 30^2\})$	504
30	$\mathcal{O}(0; \{2^4, 5^2, 10^2, 30^2\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^2, 10^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 10^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^2, 5, 10^4, 30^2\})$	6552
30	$\mathcal{O}(0; \{10^6, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^6, 3, 5, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 3^4, 5, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 6, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^4, 5, 6^2, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{3^3, 5, 6^2, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2, 3, 5, 6^3, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{2, 3, 5^3, 10, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^4, 3, 10^2, 15, 30^2\})$	1224

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^4, 10^2, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 6, 10^2, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 6^2, 10^2, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 5, 10, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 6, 10, 15^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{6, 10^3, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^2, 5^2, 15^3, 30^2\})$	32760
30	$\mathcal{O}(0; \{5, 10^2, 15^3, 30^2\})$	131080
30	$\mathcal{O}(0; \{2^2, 3, 15^4, 30^2\})$	34440
30	$\mathcal{O}(0; \{6^2, 15^4, 30^2\})$	70520
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{2^4, 5^2, 6, 30^3\})$	1224
30	$\mathcal{O}(0; \{3^3, 5^2, 6, 30^3\})$	8568
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5, 10^2, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 6, 10^2, 30^3\})$	4920
30	$\mathcal{O}(0; \{6, 10^4, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^7, 15, 30^3\})$	312
30	$\mathcal{O}(0; \{2^3, 3^3, 15, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^4, 3, 6, 15, 30^3\})$	1144
30	$\mathcal{O}(0; \{3^4, 6, 15, 30^3\})$	8840
30	$\mathcal{O}(0; \{2, 3^2, 6^2, 15, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 6^3, 15, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^2, 5^2, 10, 15, 30^3\})$	19656
30	$\mathcal{O}(0; \{5, 10^3, 15, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^2, 3, 10, 15^2, 30^3\})$	18040
30	$\mathcal{O}(0; \{6^2, 10, 15^2, 30^3\})$	34440
30	$\mathcal{O}(0; \{5, 6, 15^3, 30^3\})$	137592
30	$\mathcal{O}(0; \{2^4, 3, 5, 30^4\})$	2040
30	$\mathcal{O}(0; \{3^4, 5, 30^4\})$	17544
30	$\mathcal{O}(0; \{2, 3^2, 5, 6, 30^4\})$	8568
30	$\mathcal{O}(0; \{2^2, 5, 6^2, 30^4\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 10^2, 30^4\})$	8200
30	$\mathcal{O}(0; \{6^2, 10^2, 30^4\})$	18040
30	$\mathcal{O}(0; \{5, 6, 10, 15, 30^4\})$	72072
30	$\mathcal{O}(0; \{5^2, 15^2, 30^4\})$	288376
30	$\mathcal{O}(0; \{3, 15^3, 30^4\})$	281736
30	$\mathcal{O}(0; \{2^5, 30^5\})$	2040
30	$\mathcal{O}(0; \{2, 3^3, 30^5\})$	17544
30	$\mathcal{O}(0; \{2^2, 3, 6, 30^5\})$	8568
30	$\mathcal{O}(0; \{6^3, 30^5\})$	17544
30	$\mathcal{O}(0; \{5^2, 10, 30^5\})$	131080
30	$\mathcal{O}(0; \{3, 10, 15, 30^5\})$	137592

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(3; \{2^2\})$	1056964608
32	$\mathcal{O}(2; \{2^6\})$	983040
32	$\mathcal{O}(2; \{2^3, 4^2\})$	1966080
32	$\mathcal{O}(2; \{4^4\})$	7864320
32	$\mathcal{O}(2; \{2, 4, 8^2\})$	7864320
32	$\mathcal{O}(1; \{2^{10}\})$	768
32	$\mathcal{O}(1; \{2^7, 4^2\})$	1536
32	$\mathcal{O}(1; \{2^4, 4^4\})$	6144
32	$\mathcal{O}(1; \{2, 4^6\})$	24576
32	$\mathcal{O}(1; \{2^5, 4, 8^2\})$	6144
32	$\mathcal{O}(1; \{2^2, 4^3, 8^2\})$	24576
32	$\mathcal{O}(1; \{2^3, 8^4\})$	49152
32	$\mathcal{O}(1; \{4^2, 8^4\})$	196608
32	$\mathcal{O}(1; \{2^3, 4, 8, 16^2\})$	49152
32	$\mathcal{O}(1; \{4^3, 8, 16^2\})$	196608
32	$\mathcal{O}(1; \{2, 8^3, 16^2\})$	393216
32	$\mathcal{O}(1; \{2, 4, 16^4\})$	786432
32	$\mathcal{O}(1; \{2, 4, 8, 16, 32^2\})$	1048576
32	$\mathcal{O}(0; \{2^5, 4, 8, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^2, 4^3, 8, 16, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^3, 8^3, 16, 32^2\})$	8192
32	$\mathcal{O}(0; \{4^2, 8^3, 16, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^3, 4, 16^3, 32^2\})$	16384
32	$\mathcal{O}(0; \{4^3, 16^3, 32^2\})$	65536
32	$\mathcal{O}(0; \{2, 8^2, 16^3, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^3, 4, 8, 32^4\})$	32768
32	$\mathcal{O}(0; \{4^3, 8, 32^4\})$	131072
32	$\mathcal{O}(0; \{2, 8^3, 32^4\})$	262144
32	$\mathcal{O}(0; \{2, 4, 16^2, 32^4\})$	524288
33	$\mathcal{O}(2; \{11, 33^2\})$	213465780
33	$\mathcal{O}(1; \{3^3, 11, 33^2\})$	980100
33	$\mathcal{O}(1; \{33^5\})$	98990100
33	$\mathcal{O}(0; \{3^2, 11^5, 33\})$	181820
33	$\mathcal{O}(0; \{3^6, 11, 33^2\})$	7740
33	$\mathcal{O}(0; \{3^3, 33^5\})$	781740
34	$\mathcal{O}(1; \{17^5\})$	53476560
34	$\mathcal{O}(0; \{2^4, 17^5\})$	61680
34	$\mathcal{O}(0; \{2^2, 17^4, 34^2\})$	986896
34	$\mathcal{O}(0; \{17^3, 34^4\})$	15790320
35	$\mathcal{O}(2; \{7^3\})$	44946720
35	$\mathcal{O}(1; \{5, 7, 35^3\})$	11848200
35	$\mathcal{O}(0; \{5^5, 7^3\})$	6120
35	$\mathcal{O}(0; \{7^2, 35^5\})$	8157960

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(2; \{3, 9^2\})$	18895680
36	$\mathcal{O}(2; \{2, 36^2\})$	20155392
36	$\mathcal{O}(1; \{2^4, 3, 9^2\})$	11664
36	$\mathcal{O}(1; \{3^4, 9^2\})$	93312
36	$\mathcal{O}(1; \{2, 3, 4^2, 9^2\})$	31104
36	$\mathcal{O}(1; \{2, 3^2, 6, 9^2\})$	46656
36	$\mathcal{O}(1; \{2^2, 6^2, 9^2\})$	23328
36	$\mathcal{O}(1; \{9^5\})$	787320
36	$\mathcal{O}(1; \{2^2, 4, 9^2, 12\})$	31104
36	$\mathcal{O}(1; \{6, 9^2, 12^2\})$	124416
36	$\mathcal{O}(1; \{6, 9^3, 18\})$	314928
36	$\mathcal{O}(1; \{2^2, 3, 9, 18^2\})$	34992
36	$\mathcal{O}(1; \{6^2, 9, 18^2\})$	69984
36	$\mathcal{O}(1; \{4, 9, 12, 18^2\})$	93312
36	$\mathcal{O}(1; \{3, 18^4\})$	314928
36	$\mathcal{O}(1; \{2, 3^2, 4, 9, 36\})$	62208
36	$\mathcal{O}(1; \{2^2, 4, 6, 9, 36\})$	31104
36	$\mathcal{O}(1; \{2^2, 3, 9, 12, 36\})$	62208
36	$\mathcal{O}(1; \{6^2, 9, 12, 36\})$	124416
36	$\mathcal{O}(1; \{4, 9, 12^2, 36\})$	248832
36	$\mathcal{O}(1; \{4, 9^2, 18, 36\})$	419904
36	$\mathcal{O}(1; \{4, 6, 18^2, 36\})$	93312
36	$\mathcal{O}(1; \{3, 12, 18^2, 36\})$	186624
36	$\mathcal{O}(1; \{2^5, 36^2\})$	15552
36	$\mathcal{O}(1; \{2, 3^3, 36^2\})$	124416
36	$\mathcal{O}(1; \{2^2, 4^2, 36^2\})$	62208
36	$\mathcal{O}(1; \{2^2, 3, 6, 36^2\})$	62208
36	$\mathcal{O}(1; \{6^3, 36^2\})$	124416
36	$\mathcal{O}(1; \{4, 6, 12, 36^2\})$	248832
36	$\mathcal{O}(1; \{3, 12^2, 36^2\})$	497664
36	$\mathcal{O}(1; \{3, 9, 18, 36^2\})$	839808
36	$\mathcal{O}(0; \{2^5, 3, 4^2, 9^2\})$	24
36	$\mathcal{O}(0; \{2, 3^4, 4^2, 9^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4^4, 9^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 9^2\})$	96
36	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 9^2\})$	48
36	$\mathcal{O}(0; \{4^4, 6^2, 9^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^3, 9^2\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 9^5\})$	1620
36	$\mathcal{O}(0; \{2^6, 4, 9^2, 12\})$	24
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^3, 4^3, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{4^5, 9^2, 12\})$	384

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3, 4^3, 6, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2, 4, 6^3, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^3, 3^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2^4, 6, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{3^3, 6, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^2, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 12^3\})$	768
36	$\mathcal{O}(0; \{2^2, 9^2, 12^4\})$	768
36	$\mathcal{O}(0; \{3^2, 4^2, 9^3, 18\})$	1296
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^3, 18\})$	648
36	$\mathcal{O}(0; \{2, 3, 4, 9^3, 12, 18\})$	1296
36	$\mathcal{O}(0; \{2^2, 9^3, 12^2, 18\})$	1296
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 9, 18^2\})$	72
36	$\mathcal{O}(0; \{3, 4^4, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 9, 18^2\})$	144
36	$\mathcal{O}(0; \{2^4, 4, 9, 12, 18^2\})$	72
36	$\mathcal{O}(0; \{3^3, 4, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{2, 4^3, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 9, 12^2, 18^2\})$	576
36	$\mathcal{O}(0; \{2^2, 6, 9, 12^2, 18^2\})$	288
36	$\mathcal{O}(0; \{9, 12^4, 18^2\})$	2304
36	$\mathcal{O}(0; \{9^2, 12^2, 18^3\})$	6480
36	$\mathcal{O}(0; \{2, 3, 4^2, 18^4\})$	648
36	$\mathcal{O}(0; \{2^2, 4, 12, 18^4\})$	648
36	$\mathcal{O}(0; \{6, 12^2, 18^4\})$	2592
36	$\mathcal{O}(0; \{2^5, 3^2, 4, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^5, 4, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^6, 4, 6, 9, 36\})$	24
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^3, 4^3, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{4^5, 6, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 9, 36\})$	96
36	$\mathcal{O}(0; \{3, 4^3, 6^2, 9, 36\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 6^3, 9, 36\})$	384
36	$\mathcal{O}(0; \{2, 4, 6^4, 9, 36\})$	192
36	$\mathcal{O}(0; \{2, 3, 4, 9^4, 36\})$	3240

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^6, 3, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3^4, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3, 4^4, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 3^2, 6, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^4, 6^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{3^3, 6^2, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^3, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 9^4, 12, 36\})$	3240
36	$\mathcal{O}(0; \{2^4, 4, 9, 12^2, 36\})$	192
36	$\mathcal{O}(0; \{3^3, 4, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4^3, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 9, 12^3, 36\})$	1536
36	$\mathcal{O}(0; \{2^2, 6, 9, 12^3, 36\})$	768
36	$\mathcal{O}(0; \{9, 12^5, 36\})$	6144
36	$\mathcal{O}(0; \{2^4, 4, 9^2, 18, 36\})$	324
36	$\mathcal{O}(0; \{3^3, 4, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4^3, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3^2, 9^2, 12, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 6, 9^2, 12, 18, 36\})$	1296
36	$\mathcal{O}(0; \{9^2, 12^3, 18, 36\})$	10368
36	$\mathcal{O}(0; \{2^3, 3^2, 4, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3^2, 4^3, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^4, 4, 6, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{3^3, 4, 6, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 4^3, 6, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2, 3, 4, 6^2, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^4, 3, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3^4, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4^2, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 3^2, 6, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 6^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{9^3, 12, 18^2, 36\})$	21384
36	$\mathcal{O}(0; \{2^2, 4, 12^2, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{6, 12^3, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{2^2, 4, 9, 18^3, 36\})$	1620
36	$\mathcal{O}(0; \{6, 9, 12, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{4, 18^5, 36\})$	10692
36	$\mathcal{O}(0; \{2^9, 36^2\})$	12

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^5, 3^3, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^6, 4^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2^3, 4^4, 36^2\})$	192
36	$\mathcal{O}(0; \{4^6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^6, 3, 6, 36^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3^4, 6, 36^2\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{3, 4^4, 6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 36^2\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^4, 6^3, 36^2\})$	96
36	$\mathcal{O}(0; \{3^3, 6^3, 36^2\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6^3, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^4, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 9^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^2, 6, 9^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{2^3, 3^2, 4, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{3^2, 4^3, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^4, 4, 6, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{3^3, 4, 6, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 4^3, 6, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^4, 3, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{3^4, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 3, 4^2, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3^2, 6, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^2, 6^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{9^3, 12^2, 36^2\})$	25920
36	$\mathcal{O}(0; \{2^2, 4, 12^3, 36^2\})$	1536
36	$\mathcal{O}(0; \{6, 12^4, 36^2\})$	6144
36	$\mathcal{O}(0; \{2^4, 3, 9, 18, 36^2\})$	648
36	$\mathcal{O}(0; \{3^4, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 3, 4^2, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3^2, 6, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 6^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{9^4, 18, 36^2\})$	61236
36	$\mathcal{O}(0; \{2^2, 4, 9, 12, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{6, 9, 12^2, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{6, 9^2, 18^2, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^2, 3, 18^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{6^2, 18^3, 36^2\})$	6480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{4, 12, 18^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2^2, 4, 9^2, 36^3\})$	6480
36	$\mathcal{O}(0; \{6, 9^2, 12, 36^3\})$	25920
36	$\mathcal{O}(0; \{2, 3^2, 4, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{2^2, 4, 6, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{2^2, 3, 12, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{6^2, 12, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{4, 12^2, 18, 36^3\})$	20736
36	$\mathcal{O}(0; \{4, 9, 18^2, 36^3\})$	42768
36	$\mathcal{O}(0; \{2^2, 3, 9, 36^4\})$	12960
36	$\mathcal{O}(0; \{6^2, 9, 36^4\})$	25920
36	$\mathcal{O}(0; \{4, 9, 12, 36^4\})$	51840
36	$\mathcal{O}(0; \{3, 18^2, 36^4\})$	85536
36	$\mathcal{O}(0; \{4, 6, 36^5\})$	51840
36	$\mathcal{O}(0; \{3, 12, 36^5\})$	103680
38	$\mathcal{O}(0; \{2, 19^5, 38\})$	1790118
39	$\mathcal{O}(1; \{3^2, 13^3\})$	401544
39	$\mathcal{O}(0; \{3^5, 13^3\})$	1320
39	$\mathcal{O}(0; \{3^2, 13^2, 39^3\})$	191400
40	$\mathcal{O}(3; \emptyset)$	4031741952
40	$\mathcal{O}(2; \{2^4\})$	2396160
40	$\mathcal{O}(2; \{2, 4^2\})$	4792320
40	$\mathcal{O}(1; \{2^8\})$	1152
40	$\mathcal{O}(1; \{2^5, 4^2\})$	2304
40	$\mathcal{O}(1; \{2^2, 4^4\})$	9216
40	$\mathcal{O}(1; \{5^5\})$	244800
40	$\mathcal{O}(1; \{2^3, 4, 8^2\})$	12288
40	$\mathcal{O}(1; \{4^3, 8^2\})$	49152
40	$\mathcal{O}(1; \{2, 8^4\})$	98304
40	$\mathcal{O}(1; \{2^3, 5^2, 10\})$	14400
40	$\mathcal{O}(1; \{4^2, 5^2, 10\})$	28800
40	$\mathcal{O}(1; \{2, 5, 10^3\})$	62400
40	$\mathcal{O}(1; \{2^3, 4, 5, 20\})$	9600
40	$\mathcal{O}(1; \{4^3, 5, 20\})$	38400
40	$\mathcal{O}(1; \{2, 5, 8^2, 20\})$	51200
40	$\mathcal{O}(1; \{2, 4, 10^2, 20\})$	28800
40	$\mathcal{O}(1; \{2, 5^2, 20^2\})$	124800
40	$\mathcal{O}(1; \{2, 4, 8, 10, 40\})$	51200
40	$\mathcal{O}(1; \{2, 4, 5, 40^2\})$	153600
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 8^2, 10\})$	96
40	$\mathcal{O}(0; \{5^2, 8^4, 10\})$	768
40	$\mathcal{O}(0; \{4, 5, 8^2, 10^3\})$	416
40	$\mathcal{O}(0; \{2^5, 5, 8^2, 20\})$	32

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^2, 4^2, 5, 8^2, 20\})$	128
40	$\mathcal{O}(0; \{4, 5, 8^4, 20\})$	1024
40	$\mathcal{O}(0; \{5^3, 8^2, 10, 20\})$	1632
40	$\mathcal{O}(0; \{2^3, 8^2, 10^2, 20\})$	96
40	$\mathcal{O}(0; \{4^2, 8^2, 10^2, 20\})$	384
40	$\mathcal{O}(0; \{4, 5^2, 8^2, 20^2\})$	1664
40	$\mathcal{O}(0; \{2, 8^2, 10, 20^3\})$	1664
40	$\mathcal{O}(0; \{2^2, 4, 5^3, 8, 40\})$	416
40	$\mathcal{O}(0; \{5^3, 8^3, 40\})$	3328
40	$\mathcal{O}(0; \{2^5, 4, 8, 10, 40\})$	32
40	$\mathcal{O}(0; \{2^2, 4^3, 8, 10, 40\})$	128
40	$\mathcal{O}(0; \{2^3, 8^3, 10, 40\})$	256
40	$\mathcal{O}(0; \{4^2, 8^3, 10, 40\})$	1024
40	$\mathcal{O}(0; \{4, 5^2, 8, 10^2, 40\})$	1632
40	$\mathcal{O}(0; \{5^4, 8, 20, 40\})$	6560
40	$\mathcal{O}(0; \{2^3, 5, 8, 10, 20, 40\})$	416
40	$\mathcal{O}(0; \{4^2, 5, 8, 10, 20, 40\})$	1664
40	$\mathcal{O}(0; \{2, 8, 10^3, 20, 40\})$	1632
40	$\mathcal{O}(0; \{2^3, 4, 8, 20^2, 40\})$	384
40	$\mathcal{O}(0; \{4^3, 8, 20^2, 40\})$	1536
40	$\mathcal{O}(0; \{2, 8^3, 20^2, 40\})$	3072
40	$\mathcal{O}(0; \{2, 5, 8, 20^3, 40\})$	6528
40	$\mathcal{O}(0; \{2^5, 4, 5, 40^2\})$	96
40	$\mathcal{O}(0; \{2^2, 4^3, 5, 40^2\})$	384
40	$\mathcal{O}(0; \{2^3, 5, 8^2, 40^2\})$	768
40	$\mathcal{O}(0; \{4^2, 5, 8^2, 40^2\})$	3072
40	$\mathcal{O}(0; \{4, 5^3, 10, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^3, 4, 10^2, 40^2\})$	416
40	$\mathcal{O}(0; \{4^3, 10^2, 40^2\})$	1664
40	$\mathcal{O}(0; \{2, 8^2, 10^2, 40^2\})$	3328
40	$\mathcal{O}(0; \{2^3, 5^2, 20, 40^2\})$	1632
40	$\mathcal{O}(0; \{4^2, 5^2, 20, 40^2\})$	6528
40	$\mathcal{O}(0; \{2, 5, 10^2, 20, 40^2\})$	6560
40	$\mathcal{O}(0; \{2, 4, 10, 20^2, 40^2\})$	6528
40	$\mathcal{O}(0; \{2, 5, 8, 10, 40^3\})$	13056
40	$\mathcal{O}(0; \{2, 4, 8, 20, 40^3\})$	13312
40	$\mathcal{O}(0; \{2, 5^2, 40^4\})$	52480
41	$\mathcal{O}(1; \{41^4\})$	104961640
42	$\mathcal{O}(1; \{3^3, 7, 21\})$	47628
42	$\mathcal{O}(1; \{2, 3, 6, 7, 21\})$	21168
42	$\mathcal{O}(1; \{21^4\})$	1476468
42	$\mathcal{O}(1; \{14, 21^2, 42\})$	656208
42	$\mathcal{O}(1; \{2^2, 7, 42^2\})$	105840

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(1; \{14^2, 42^2\})$	656208
42	$\mathcal{O}(0; \{2, 3^4, 7^2, 14\})$	180
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2^3, 6^2, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{3, 6^3, 7^2, 14\})$	180
42	$\mathcal{O}(0; \{3^2, 6, 7, 14^3\})$	372
42	$\mathcal{O}(0; \{2, 6^2, 7, 14^3\})$	372
42	$\mathcal{O}(0; \{2^4, 3^3, 7, 21\})$	36
42	$\mathcal{O}(0; \{2^5, 3, 6, 7, 21\})$	12
42	$\mathcal{O}(0; \{2, 3^4, 6, 7, 21\})$	132
42	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 7, 21\})$	60
42	$\mathcal{O}(0; \{2^3, 6^3, 7, 21\})$	36
42	$\mathcal{O}(0; \{3, 6^4, 7, 21\})$	132
42	$\mathcal{O}(0; \{2^2, 3^3, 14^2, 21\})$	180
42	$\mathcal{O}(0; \{2^3, 3, 6, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{3^2, 6^2, 14^2, 21\})$	300
42	$\mathcal{O}(0; \{2, 6^3, 14^2, 21\})$	180
42	$\mathcal{O}(0; \{2, 6, 7^3, 21^2\})$	2220
42	$\mathcal{O}(0; \{2, 3, 7, 14, 21^3\})$	6660
42	$\mathcal{O}(0; \{2^4, 21^4\})$	1116
42	$\mathcal{O}(0; \{2, 3, 6, 21^4\})$	4092
42	$\mathcal{O}(0; \{3^2, 7^3, 14, 42\})$	2220
42	$\mathcal{O}(0; \{2, 6, 7^3, 14, 42\})$	2220
42	$\mathcal{O}(0; \{2^3, 3, 7^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{3^2, 6, 7^2, 21, 42\})$	1860
42	$\mathcal{O}(0; \{2, 6^2, 7^2, 21, 42\})$	1116
42	$\mathcal{O}(0; \{2, 3, 7, 14^2, 21, 42\})$	2220
42	$\mathcal{O}(0; \{2^4, 14, 21^2, 42\})$	372
42	$\mathcal{O}(0; \{3^3, 14, 21^2, 42\})$	4092
42	$\mathcal{O}(0; \{2, 3, 6, 14, 21^2, 42\})$	1860
42	$\mathcal{O}(0; \{2^6, 7, 42^2\})$	60
42	$\mathcal{O}(0; \{2^2, 3^3, 7, 42^2\})$	300
42	$\mathcal{O}(0; \{2^3, 3, 6, 7, 42^2\})$	180
42	$\mathcal{O}(0; \{3^2, 6^2, 7, 42^2\})$	660
42	$\mathcal{O}(0; \{2, 6^3, 7, 42^2\})$	300
42	$\mathcal{O}(0; \{2^4, 14^2, 42^2\})$	372
42	$\mathcal{O}(0; \{3^3, 14^2, 42^2\})$	1860
42	$\mathcal{O}(0; \{2, 3, 6, 14^2, 42^2\})$	1116
42	$\mathcal{O}(0; \{2^2, 21^3, 42^2\})$	11100
42	$\mathcal{O}(0; \{2, 3, 7^2, 42^3\})$	6660
42	$\mathcal{O}(0; \{2^2, 14, 21, 42^3\})$	6660
42	$\mathcal{O}(0; \{21^2, 42^4\})$	146652
42	$\mathcal{O}(0; \{14, 42^5\})$	66660

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
44	$\mathcal{O}(1; \{11^4\})$	1321320
44	$\mathcal{O}(1; \{2^2, 4, 11, 44\})$	38720
44	$\mathcal{O}(1; \{4, 22^2, 44\})$	348480
44	$\mathcal{O}(0; \{2, 4^2, 11^4\})$	1820
44	$\mathcal{O}(0; \{2^6, 4, 11, 44\})$	20
44	$\mathcal{O}(0; \{2^3, 4^3, 11, 44\})$	80
44	$\mathcal{O}(0; \{4^5, 11, 44\})$	320
44	$\mathcal{O}(0; \{2^4, 4, 22^2, 44\})$	180
44	$\mathcal{O}(0; \{2, 4^3, 22^2, 44\})$	720
44	$\mathcal{O}(0; \{11^3, 22, 44^2\})$	181820
44	$\mathcal{O}(0; \{2^2, 4, 22, 44^3\})$	7280
44	$\mathcal{O}(0; \{4, 44^5\})$	290880
45	$\mathcal{O}(1; \{9^4\})$	314928
45	$\mathcal{O}(1; \{5, 9^2, 45\})$	145800
45	$\mathcal{O}(1; \{5^2, 45^2\})$	631800
45	$\mathcal{O}(1; \{3, 15, 45^2\})$	583200
45	$\mathcal{O}(0; \{3^3, 5, 9^2, 45\})$	576
45	$\mathcal{O}(0; \{9^2, 15^3, 45\})$	7488
45	$\mathcal{O}(0; \{3^3, 5^2, 45^2\})$	2496
45	$\mathcal{O}(0; \{3^4, 15, 45^2\})$	2304
45	$\mathcal{O}(0; \{9^3, 15, 45^2\})$	19440
45	$\mathcal{O}(0; \{5, 15^3, 45^2\})$	39360
45	$\mathcal{O}(0; \{5, 9, 15, 45^3\})$	66096
45	$\mathcal{O}(0; \{3, 45^5\})$	330480
48	$\mathcal{O}(2; \{3^2\})$	9953280
48	$\mathcal{O}(1; \{2^4, 3^2\})$	3456
48	$\mathcal{O}(1; \{3^5\})$	17280
48	$\mathcal{O}(1; \{2, 3^2, 4^2\})$	6912
48	$\mathcal{O}(1; \{2, 3^3, 6\})$	10368
48	$\mathcal{O}(1; \{2^2, 3, 6^2\})$	3456
48	$\mathcal{O}(1; \{6^4\})$	10368
48	$\mathcal{O}(1; \{2^2, 3, 4, 12\})$	6912
48	$\mathcal{O}(1; \{4, 6^2, 12\})$	6912
48	$\mathcal{O}(1; \{3, 8^2, 12\})$	27648
48	$\mathcal{O}(1; \{2^3, 12^2\})$	6912
48	$\mathcal{O}(1; \{4^2, 12^2\})$	27648
48	$\mathcal{O}(1; \{3, 6, 12^2\})$	20736
48	$\mathcal{O}(1; \{3, 6, 8, 24\})$	13824
48	$\mathcal{O}(1; \{3, 4, 24^2\})$	27648
48	$\mathcal{O}(1; \{2, 12, 24^2\})$	27648
48	$\mathcal{O}(1; \{3, 4, 16, 48\})$	73728
48	$\mathcal{O}(1; \{2, 12, 16, 48\})$	73728
48	$\mathcal{O}(1; \{2, 8, 48^2\})$	147456

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2, 3^2, 4, 8, 16^2\})$	128
48	$\mathcal{O}(0; \{2^2, 3, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{6^2, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{4, 8, 12^2, 16^2\})$	512
48	$\mathcal{O}(0; \{3, 12, 16^4\})$	2048
48	$\mathcal{O}(0; \{2, 3^3, 16^2, 24\})$	192
48	$\mathcal{O}(0; \{2^2, 3, 6, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{6^3, 16^2, 24\})$	192
48	$\mathcal{O}(0; \{4, 6, 12, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{3, 12^2, 16^2, 24\})$	768
48	$\mathcal{O}(0; \{3, 8, 16^2, 24^2\})$	1024
48	$\mathcal{O}(0; \{2^4, 3, 4, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^4, 4, 16, 48\})$	160
48	$\mathcal{O}(0; \{2, 3, 4^3, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 4, 6, 16, 48\})$	96
48	$\mathcal{O}(0; \{2^2, 4, 6^2, 16, 48\})$	32
48	$\mathcal{O}(0; \{2^2, 3, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{6^2, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^5, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{2, 3^3, 12, 16, 48\})$	160
48	$\mathcal{O}(0; \{2^2, 4^2, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{2^2, 3, 6, 12, 16, 48\})$	96
48	$\mathcal{O}(0; \{6^3, 12, 16, 48\})$	160
48	$\mathcal{O}(0; \{4, 8^2, 12, 16, 48\})$	1024
48	$\mathcal{O}(0; \{4, 6, 12^2, 16, 48\})$	384
48	$\mathcal{O}(0; \{3, 12^3, 16, 48\})$	640
48	$\mathcal{O}(0; \{3, 8, 16^3, 48\})$	4096
48	$\mathcal{O}(0; \{4, 6, 8, 16, 24, 48\})$	512
48	$\mathcal{O}(0; \{3, 8, 12, 16, 24, 48\})$	1536
48	$\mathcal{O}(0; \{2^3, 16, 24^2, 48\})$	256
48	$\mathcal{O}(0; \{4^2, 16, 24^2, 48\})$	1024
48	$\mathcal{O}(0; \{3, 6, 16, 24^2, 48\})$	1280
48	$\mathcal{O}(0; \{2^5, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{2, 3^3, 8, 48^2\})$	320
48	$\mathcal{O}(0; \{2^2, 4^2, 8, 48^2\})$	256
48	$\mathcal{O}(0; \{2^2, 3, 6, 8, 48^2\})$	192
48	$\mathcal{O}(0; \{6^3, 8, 48^2\})$	320
48	$\mathcal{O}(0; \{4, 8^3, 48^2\})$	2048
48	$\mathcal{O}(0; \{4, 6, 8, 12, 48^2\})$	768
48	$\mathcal{O}(0; \{3, 8, 12^2, 48^2\})$	1280
48	$\mathcal{O}(0; \{2^3, 16^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{4^2, 16^2, 48^2\})$	4096
48	$\mathcal{O}(0; \{3, 6, 16^2, 48^2\})$	3072

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2^2, 3, 4, 24, 48^2\})$	384
48	$\mathcal{O}(0; \{4, 6^2, 24, 48^2\})$	640
48	$\mathcal{O}(0; \{3, 8^2, 24, 48^2\})$	3072
48	$\mathcal{O}(0; \{2^3, 12, 24, 48^2\})$	384
48	$\mathcal{O}(0; \{4^2, 12, 24, 48^2\})$	1536
48	$\mathcal{O}(0; \{3, 6, 12, 24, 48^2\})$	1408
48	$\mathcal{O}(0; \{2, 24^3, 48^2\})$	5120
48	$\mathcal{O}(0; \{2, 16, 24, 48^3\})$	12288
48	$\mathcal{O}(0; \{3, 4, 48^4\})$	10240
48	$\mathcal{O}(0; \{2, 12, 48^4\})$	10240
50	$\mathcal{O}(1; \{5^4\})$	93600
50	$\mathcal{O}(1; \{2^3, 5, 10\})$	9600
50	$\mathcal{O}(1; \{2, 10^3\})$	28800
50	$\mathcal{O}(0; \{2^3, 5, 25^2, 50\})$	1200
50	$\mathcal{O}(0; \{2, 10^2, 25^2, 50\})$	4800
50	$\mathcal{O}(0; \{2, 5, 25, 50^3\})$	26000
51	$\mathcal{O}(0; \{3^2, 17^3, 51\})$	7712
52	$\mathcal{O}(0; \{2^3, 4, 13^2, 52\})$	264
52	$\mathcal{O}(0; \{4^3, 13^2, 52\})$	1056
52	$\mathcal{O}(0; \{2, 4, 13, 26^2, 52\})$	3192
54	$\mathcal{O}(1; \{2^2, 54^2\})$	52488
54	$\mathcal{O}(0; \{2, 3, 9, 27^2, 54\})$	1944
54	$\mathcal{O}(0; \{2^6, 54^2\})$	18
54	$\mathcal{O}(0; \{2^2, 3^3, 54^2\})$	144
54	$\mathcal{O}(0; \{2^3, 3, 6, 54^2\})$	72
54	$\mathcal{O}(0; \{3^2, 6^2, 54^2\})$	288
54	$\mathcal{O}(0; \{2, 6^3, 54^2\})$	144
54	$\mathcal{O}(0; \{2, 3, 9, 18, 54^2\})$	1296
55	$\mathcal{O}(0; \{55^3\})$	1854360
56	$\mathcal{O}(1; \{2^2, 14^2\})$	14112
56	$\mathcal{O}(1; \{14, 28^2\})$	141120
56	$\mathcal{O}(0; \{2, 4, 8^2, 14^2\})$	48
56	$\mathcal{O}(0; \{2^2, 14, 28, 56^2\})$	1488
56	$\mathcal{O}(0; \{28^3, 56^2\})$	35520
56	$\mathcal{O}(0; \{14, 56^4\})$	71040
57	$\mathcal{O}(0; \{19^3, 57^2\})$	198900
60	$\mathcal{O}(1; \{3^4\})$	15552
60	$\mathcal{O}(1; \{2, 3^2, 6\})$	5184
60	$\mathcal{O}(1; \{2^2, 6^2\})$	5184
60	$\mathcal{O}(1; \{6, 12^2\})$	13824
60	$\mathcal{O}(1; \{6, 10, 15\})$	21600
60	$\mathcal{O}(1; \{5, 15^2\})$	64800
60	$\mathcal{O}(1; \{4, 15, 60\})$	57600

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{3^2, 4^2, 10, 15\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 6, 10, 15\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 10, 12, 15\})$	16
60	$\mathcal{O}(0; \{2^2, 10, 12^2, 15\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 5, 15^2\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 5, 6, 20\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 6^2, 20\})$	16
60	$\mathcal{O}(0; \{3^3, 5, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 6, 12, 20\})$	16
60	$\mathcal{O}(0; \{12, 15^3, 20\})$	624
60	$\mathcal{O}(0; \{2, 3^2, 15, 20^2\})$	48
60	$\mathcal{O}(0; \{2^2, 6, 15, 20^2\})$	48
60	$\mathcal{O}(0; \{12^2, 15, 20^2\})$	192
60	$\mathcal{O}(0; \{10, 15^2, 20^2\})$	816
60	$\mathcal{O}(0; \{12^2, 15^2, 30\})$	240
60	$\mathcal{O}(0; \{3^3, 4, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 6, 20, 30\})$	16
60	$\mathcal{O}(0; \{2, 3^2, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{2^2, 6, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{12^3, 20, 30\})$	192
60	$\mathcal{O}(0; \{10, 12, 15, 20, 30\})$	208
60	$\mathcal{O}(0; \{10, 12^2, 30^2\})$	144
60	$\mathcal{O}(0; \{6, 20^2, 30^2\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 5^2, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 5^2, 6, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 5^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{2^4, 4, 15, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 4, 15, 60\})$	80
60	$\mathcal{O}(0; \{2, 4^3, 15, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 4, 6, 15, 60\})$	48
60	$\mathcal{O}(0; \{2, 3^2, 12, 15, 60\})$	80
60	$\mathcal{O}(0; \{2^2, 6, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{12^3, 15, 60\})$	320
60	$\mathcal{O}(0; \{10, 12, 15^2, 60\})$	624
60	$\mathcal{O}(0; \{2, 3^2, 10, 20, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 6, 10, 20, 60\})$	48
60	$\mathcal{O}(0; \{10, 12^2, 20, 60\})$	192
60	$\mathcal{O}(0; \{2^2, 5, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{10^2, 15, 20, 60\})$	816
60	$\mathcal{O}(0; \{6, 20^3, 60\})$	832
60	$\mathcal{O}(0; \{2, 3, 4, 5, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 5, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{10^2, 12, 30, 60\})$	208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{6, 15, 20, 30, 60\})$	624
60	$\mathcal{O}(0; \{2^2, 4, 30^2, 60\})$	48
60	$\mathcal{O}(0; \{6, 12, 30^2, 60\})$	240
60	$\mathcal{O}(0; \{5, 20, 30^2, 60\})$	816
60	$\mathcal{O}(0; \{2^2, 5, 10, 60^2\})$	208
60	$\mathcal{O}(0; \{10^3, 60^2\})$	816
60	$\mathcal{O}(0; \{6, 15^2, 60^2\})$	1040
60	$\mathcal{O}(0; \{2^2, 4, 20, 60^2\})$	192
60	$\mathcal{O}(0; \{6, 12, 20, 60^2\})$	576
60	$\mathcal{O}(0; \{5, 20^2, 60^2\})$	3264
60	$\mathcal{O}(0; \{6, 10, 30, 60^2\})$	624
60	$\mathcal{O}(0; \{5, 15, 30, 60^2\})$	2448
60	$\mathcal{O}(0; \{5, 12, 60^3\})$	2496
60	$\mathcal{O}(0; \{4, 30, 60^3\})$	2496
63	$\mathcal{O}(0; \{7, 9^2, 21^2\})$	720
63	$\mathcal{O}(0; \{7^2, 9, 21, 63\})$	2232
63	$\mathcal{O}(0; \{7^3, 63^2\})$	6660
63	$\mathcal{O}(0; \{3, 21^2, 63^2\})$	8928
64	$\mathcal{O}(1; \{2^2, 4^2\})$	6144
64	$\mathcal{O}(1; \{4, 8^2\})$	24576
66	$\mathcal{O}(0; \{2, 3^3, 22, 33\})$	60
66	$\mathcal{O}(0; \{2^2, 3, 6, 22, 33\})$	20
66	$\mathcal{O}(0; \{6^3, 22, 33\})$	60
66	$\mathcal{O}(0; \{3, 11^2, 22, 66\})$	1820
66	$\mathcal{O}(0; \{2^3, 33^2, 66\})$	180
66	$\mathcal{O}(0; \{3, 6, 33^2, 66\})$	900
66	$\mathcal{O}(0; \{2^3, 22, 66^2\})$	180
66	$\mathcal{O}(0; \{3, 6, 22, 66^2\})$	540
66	$\mathcal{O}(0; \{2, 33, 66^3\})$	5460
68	$\mathcal{O}(0; \{4^2, 17^2, 34\})$	480
68	$\mathcal{O}(0; \{2, 17^2, 68^2\})$	7712
70	$\mathcal{O}(1; \{2, 7, 14\})$	28224
70	$\mathcal{O}(0; \{5^2, 7, 10, 14\})$	72
70	$\mathcal{O}(0; \{2, 10, 14, 35, 70\})$	360
70	$\mathcal{O}(0; \{2, 7, 35^2, 70\})$	2232
72	$\mathcal{O}(0; \{2, 8, 18^2, 24\})$	48
72	$\mathcal{O}(0; \{3, 4, 8, 18, 72\})$	96
72	$\mathcal{O}(0; \{2, 8, 12, 18, 72\})$	96
72	$\mathcal{O}(0; \{2, 9^2, 24, 72\})$	144
72	$\mathcal{O}(0; \{3^2, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{2, 6, 18, 24, 72\})$	96
72	$\mathcal{O}(0; \{2, 8, 9, 36, 72\})$	144
72	$\mathcal{O}(0; \{2^3, 4, 72^2\})$	48

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{4^3, 72^2\})$	192
72	$\mathcal{O}(0; \{3, 4, 6, 72^2\})$	192
72	$\mathcal{O}(0; \{2, 8^2, 72^2\})$	384
72	$\mathcal{O}(0; \{3^2, 12, 72^2\})$	384
72	$\mathcal{O}(0; \{2, 6, 12, 72^2\})$	192
78	$\mathcal{O}(0; \{3^2, 6, 13, 26\})$	24
78	$\mathcal{O}(0; \{2, 6^2, 13, 26\})$	24
78	$\mathcal{O}(0; \{2, 3, 13, 39, 78\})$	264
80	$\mathcal{O}(2; \emptyset)$	38338560
80	$\mathcal{O}(1; \{2^4\})$	4608
80	$\mathcal{O}(1; \{2, 4^2\})$	9216
81	$\mathcal{O}(1; \{81^2\})$	354294
81	$\mathcal{O}(0; \{3^3, 81^2\})$	432
82	$\mathcal{O}(1; \{41^2\})$	201720
82	$\mathcal{O}(0; \{2^4, 41^2\})$	40
82	$\mathcal{O}(0; \{2^2, 41, 82^2\})$	1560
82	$\mathcal{O}(0; \{82^4\})$	62440
84	$\mathcal{O}(1; \{21^2\})$	63504
84	$\mathcal{O}(0; \{2, 4^2, 21^2\})$	24
84	$\mathcal{O}(0; \{3^2, 4, 7, 28\})$	24
84	$\mathcal{O}(0; \{2, 3, 7, 12, 28\})$	24
84	$\mathcal{O}(0; \{2^2, 21, 28, 84\})$	120
84	$\mathcal{O}(0; \{28, 42^2, 84\})$	744
84	$\mathcal{O}(0; \{2^2, 14, 84^2\})$	120
84	$\mathcal{O}(0; \{28^2, 84^2\})$	2976
84	$\mathcal{O}(0; \{21, 42, 84^2\})$	2232
85	$\mathcal{O}(1; \{17^2\})$	110976
88	$\mathcal{O}(1; \{11^2\})$	58080
88	$\mathcal{O}(0; \{2^2, 8, 22, 88\})$	40
88	$\mathcal{O}(0; \{8, 44^2, 88\})$	1440
90	$\mathcal{O}(1; \{9^2\})$	34992
90	$\mathcal{O}(0; \{9, 18, 30, 45\})$	144
90	$\mathcal{O}(0; \{2^2, 9, 10, 90\})$	24
90	$\mathcal{O}(0; \{10, 18^2, 90\})$	72
90	$\mathcal{O}(0; \{9, 15, 30, 90\})$	288
90	$\mathcal{O}(0; \{6, 45^2, 90\})$	432
90	$\mathcal{O}(0; \{2^2, 5, 90^2\})$	72
90	$\mathcal{O}(0; \{10^2, 90^2\})$	312
90	$\mathcal{O}(0; \{6, 30, 90^2\})$	288
91	$\mathcal{O}(0; \{7, 13, 91^2\})$	3960
95	$\mathcal{O}(0; \{5, 19^2, 95\})$	1224
96	$\mathcal{O}(1; \{6^2\})$	13824
96	$\mathcal{O}(0; \{6, 8, 32, 96\})$	128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
96	$\mathcal{O}(0; \{4, 24, 32, 96\})$	256
96	$\mathcal{O}(0; \{4, 16, 96^2\})$	512
99	$\mathcal{O}(0; \{3, 33, 99^2\})$	2160
100	$\mathcal{O}(1; \{5^2\})$	28800
100	$\mathcal{O}(0; \{4, 10, 25, 100\})$	160
102	$\mathcal{O}(0; \{3, 17, 34, 102\})$	480
104	$\mathcal{O}(0; \{4, 8, 13, 104\})$	96
105	$\mathcal{O}(0; \{3, 15, 21, 35\})$	48
108	$\mathcal{O}(0; \{2^3, 108^2\})$	36
108	$\mathcal{O}(0; \{4^2, 108^2\})$	144
108	$\mathcal{O}(0; \{3, 6, 108^2\})$	144
110	$\mathcal{O}(0; \{2, 55^2, 110\})$	1080
120	$\mathcal{O}(1; \{3^2\})$	20736
120	$\mathcal{O}(0; \{3, 5, 8, 120\})$	32
120	$\mathcal{O}(0; \{2, 8, 30, 120\})$	32
123	$\mathcal{O}(0; \{3^2, 41, 123\})$	80
132	$\mathcal{O}(0; \{2, 4, 33, 132\})$	40
160	$\mathcal{O}(1; \{2^2\})$	18432
162	$\mathcal{O}(0; \{2^2, 162^2\})$	54
163	$\mathcal{O}(0; \{163^3\})$	26082
164	$\mathcal{O}(0; \{82, 164^2\})$	3120
165	$\mathcal{O}(0; \{55, 165^2\})$	2160
168	$\mathcal{O}(0; \{42, 56, 168\})$	240
168	$\mathcal{O}(0; \{28, 168^2\})$	480
171	$\mathcal{O}(0; \{19, 171^2\})$	1836
176	$\mathcal{O}(0; \{16, 44, 176\})$	160
180	$\mathcal{O}(0; \{18, 20, 180\})$	48
180	$\mathcal{O}(0; \{12, 45, 180\})$	96
180	$\mathcal{O}(0; \{10, 180^2\})$	144
182	$\mathcal{O}(0; \{14, 26, 91\})$	72
189	$\mathcal{O}(0; \{7, 189^2\})$	540
190	$\mathcal{O}(0; \{10, 19, 190\})$	72
216	$\mathcal{O}(0; \{4, 216^2\})$	144
220	$\mathcal{O}(0; \{4, 55, 220\})$	80
243	$\mathcal{O}(0; \{3, 243^2\})$	324
246	$\mathcal{O}(0; \{3, 82, 246\})$	80
324	$\mathcal{O}(0; \{2, 324^2\})$	108
326	$\mathcal{O}(0; \{2, 163, 326\})$	162

Table 2: 82-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(82; \emptyset)$	1
2	$\mathcal{O}(41; \{2^2\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^6\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{10}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{14}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{18}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{22}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{26}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{30}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{34}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{38}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{42}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{46}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{50}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{54}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{58}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{62}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{66}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{70}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{74}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{78}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{82}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{86}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{90}\})$	274877906944
2	$\mathcal{O}(18; \{2^{94}\})$	68719476736
2	$\mathcal{O}(17; \{2^{98}\})$	17179869184
2	$\mathcal{O}(16; \{2^{102}\})$	4294967296
2	$\mathcal{O}(15; \{2^{106}\})$	1073741824
2	$\mathcal{O}(14; \{2^{110}\})$	268435456
2	$\mathcal{O}(13; \{2^{114}\})$	67108864
2	$\mathcal{O}(12; \{2^{118}\})$	16777216
2	$\mathcal{O}(11; \{2^{122}\})$	4194304
2	$\mathcal{O}(10; \{2^{126}\})$	1048576
2	$\mathcal{O}(9; \{2^{130}\})$	262144
2	$\mathcal{O}(8; \{2^{134}\})$	65536
2	$\mathcal{O}(7; \{2^{138}\})$	16384
2	$\mathcal{O}(6; \{2^{142}\})$	4096
2	$\mathcal{O}(5; \{2^{146}\})$	1024
2	$\mathcal{O}(4; \{2^{150}\})$	256
2	$\mathcal{O}(3; \{2^{154}\})$	64
2	$\mathcal{O}(2; \{2^{158}\})$	16
2	$\mathcal{O}(1; \{2^{162}\})$	4

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(0; \{2^{166}\})$	1
3	$\mathcal{O}(28; \emptyset)$	523347633027360537213511520
3	$\mathcal{O}(27; \{3^3\})$	116299474006080119380780338
3	$\mathcal{O}(26; \{3^6\})$	142143801562986812576509302
3	$\mathcal{O}(25; \{3^9\})$	122042657907614940090942330
3	$\mathcal{O}(24; \{3^{12}\})$	108960961243007848473351126
3	$\mathcal{O}(23; \{3^{15}\})$	96801010142844616969736538
3	$\mathcal{O}(22; \{3^{18}\})$	86051250974608316751607542
3	$\mathcal{O}(21; \{3^{21}\})$	76489344352383714705051450
3	$\mathcal{O}(20; \{3^{24}\})$	67990601259222722968285206
3	$\mathcal{O}(19; \{3^{27}\})$	60436081903087669933856538
3	$\mathcal{O}(18; \{3^{30}\})$	53720962592201296167644982
3	$\mathcal{O}(17; \{3^{33}\})$	47751966648560284173240570
3	$\mathcal{O}(16; \{3^{36}\})$	42446192587616151509324886
3	$\mathcal{O}(15; \{3^{39}\})$	37729948965534565660165338
3	$\mathcal{O}(14; \{3^{42}\})$	33537732413945763563765622
3	$\mathcal{O}(13; \{3^{45}\})$	29811317701269871972821690
3	$\mathcal{O}(12; \{3^{48}\})$	26498949067797136330838166
3	$\mathcal{O}(11; \{3^{51}\})$	23554621393597266229942938
3	$\mathcal{O}(10; \{3^{54}\})$	20937441238753146458433462
3	$\mathcal{O}(9; \{3^{57}\})$	18611058878891683416306810
3	$\mathcal{O}(8; \{3^{60}\})$	16543163447903718850553046
3	$\mathcal{O}(7; \{3^{63}\})$	14705034175914416727349338
3	$\mathcal{O}(6; \{3^{66}\})$	13071141489701703760832502
3	$\mathcal{O}(5; \{3^{69}\})$	11618792435290403342607930
3	$\mathcal{O}(4; \{3^{72}\})$	10327815498035914082357526
3	$\mathcal{O}(3; \{3^{75}\})$	9180280442698590295424538
3	$\mathcal{O}(2; \{3^{78}\})$	8160249282398746929266742
3	$\mathcal{O}(1; \{3^{81}\})$	7253554917687775048237050
3	$\mathcal{O}(0; \{3^{84}\})$	6447604371278022265099606
4	$\mathcal{O}(20; \{2^2, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^6, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^3, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{4^6\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2^{10}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^7, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^4, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^{14}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{11}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^8, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^5, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^2, 4^{10}\})$	151115727451828646838272

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(16; \{2^{18}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{15}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{12}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^9, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^6, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^3, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2^{22}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{19}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{16}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{13}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{10}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^7, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^4, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^{26}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{23}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{20}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{17}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{14}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{11}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^8, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^5, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^2, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^{30}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{27}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{24}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{21}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{18}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{15}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{12}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^9, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^6, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^3, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2^{34}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{31}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{28}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{25}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{22}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{19}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{16}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{13}, 4^{16}\})$	9223372036854775808

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(12; \{2^{10}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^7, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^4, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^{38}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{35}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{32}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{29}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{26}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{23}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{20}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{17}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{14}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{11}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^8, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^5, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^2, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^{42}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{39}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{36}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{33}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{30}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{27}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{24}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{21}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{18}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{15}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{12}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^9, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^6, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^3, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{4^{30}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2^{46}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{43}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{40}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{37}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{34}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{31}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{28}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{25}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{22}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{19}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{16}, 4^{22}\})$	144115188075855872

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(9; \{2^{13}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{10}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^7, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^4, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^{50}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{47}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{44}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{41}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{38}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{35}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{32}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{29}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{26}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{23}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{20}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{17}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{14}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{11}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^8, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^5, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^2, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^{54}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{51}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{48}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{45}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{42}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{39}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{36}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{33}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{30}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{27}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{24}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{21}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{18}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{15}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{12}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^9, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^6, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^3, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{4^{38}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2^{58}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{55}, 4^4\})$	134217728

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{52}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{49}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{46}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{43}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{40}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{37}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{34}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{31}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{28}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{25}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{22}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{19}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{16}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{13}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{10}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^7, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^4, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^{62}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{59}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{56}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{53}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{50}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{47}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{44}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{41}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{38}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{35}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{32}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{29}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{26}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{23}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{20}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{17}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{14}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{11}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^8, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^5, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^2, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^{66}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{63}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{60}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{57}, 4^8\})$	8388608

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{54}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{51}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{48}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{45}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{42}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{39}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{36}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{33}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{30}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{27}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{24}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{21}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{18}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{15}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{12}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^9, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^6, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^3, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{4^{46}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2^{70}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{67}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{64}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{61}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{58}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{55}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{52}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{49}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{46}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{43}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{40}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{37}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{34}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{31}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{28}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{25}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{22}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{19}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{16}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{13}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{10}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^7, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^4, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2, 4^{48}\})$	576460752303423488

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{74}, 4^{21}\})$	512
4	$\mathcal{O}(2; \{2^{71}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{68}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{65}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{62}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{59}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{56}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{53}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{50}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{47}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{44}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{41}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{38}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{35}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{32}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{29}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{26}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{23}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{20}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{17}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{14}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{11}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^8, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^5, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^2, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^{78}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{75}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{72}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{69}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{66}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{63}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{60}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{57}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{54}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{51}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{48}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{45}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{42}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{39}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{36}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{33}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{30}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{27}, 4^{36}\})$	549755813888

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{24}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{21}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{18}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{15}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{12}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^9, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^6, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^3, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{4^{54}\})$	144115188075855872
4	$\mathcal{O}(0; \{2^{82}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{79}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{76}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{73}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{70}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{67}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{64}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{61}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{58}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{55}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{52}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{49}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{46}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{43}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{40}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{37}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{34}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{31}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{28}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{25}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{22}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{19}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{16}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{13}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{10}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^7, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^4, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2, 4^{56}\})$	36028797018963968
5	$\mathcal{O}(16; \{5^3\})$	279396772384643554687500
5	$\mathcal{O}(14; \{5^8\})$	488311052322387695312500
5	$\mathcal{O}(12; \{5^{13}\})$	799999952316284179687500
5	$\mathcal{O}(10; \{5^{18}\})$	1310720000076293945312500
5	$\mathcal{O}(8; \{5^{23}\})$	2147483647999877929687500
5	$\mathcal{O}(6; \{5^{28}\})$	3518437208883200195312500

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(4; \{5^{33}\})$	5764607523034234879687500
5	$\mathcal{O}(2; \{5^{38}\})$	9444732965739290427392500
5	$\mathcal{O}(0; \{5^{43}\})$	15474250491067253436239052
6	$\mathcal{O}(14; \{2^2\})$	6140942214464547061760
6	$\mathcal{O}(13; \{2^6\})$	170581728179511099392
6	$\mathcal{O}(13; \{2^2, 3^3\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^3, 3, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{3^2, 6^2\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2, 6^3\})$	341163456359156416512
6	$\mathcal{O}(12; \{2^{10}\})$	4738381338304839680
6	$\mathcal{O}(12; \{2^6, 3^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^2, 3^6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^7, 3, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^3, 3^4, 6\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^4, 3^2, 6^2\})$	28430288029929701376
6	$\mathcal{O}(12; \{3^5, 6^2\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^5, 6^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2, 3^3, 6^3\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^2, 3, 6^4\})$	47383813383216168960
6	$\mathcal{O}(12; \{6^6\})$	104244389443075571712
6	$\mathcal{O}(11; \{2^{14}\})$	131621703838072832
6	$\mathcal{O}(11; \{2^{10}, 3^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^6, 3^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^2, 3^9\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^{11}, 3, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^7, 3^4, 6\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^3, 3^7, 6\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^8, 3^2, 6^2\})$	789730223053602816
6	$\mathcal{O}(11; \{2^4, 3^5, 6^2\})$	5528111561375219712
6	$\mathcal{O}(11; \{3^8, 6^2\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^9, 6^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^5, 3^3, 6^3\})$	2895677484529876992
6	$\mathcal{O}(11; \{2, 3^6, 6^3\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^6, 3, 6^4\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^2, 3^4, 6^4\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^3, 3^2, 6^5\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^4, 6^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{3^3, 6^6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2, 3, 6^7\})$	11319466530434973696
6	$\mathcal{O}(10; \{2^{18}\})$	3656158439014400
6	$\mathcal{O}(10; \{2^{14}, 3^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{10}, 3^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^6, 3^9\})$	621546934810705920

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^2, 3^{12}\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{15}, 3, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{11}, 3^4, 6\})$	36561584400629760
6	$\mathcal{O}(10; \{2^7, 3^7, 6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^3, 3^{10}, 6\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^{12}, 3^2, 6^2\})$	21936950640377856
6	$\mathcal{O}(10; \{2^8, 3^5, 6^2\})$	153558654482644992
6	$\mathcal{O}(10; \{2^4, 3^8, 6^2\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^{11}, 6^2\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{13}, 6^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^9, 3^3, 6^3\})$	80435485681385472
6	$\mathcal{O}(10; \{2^5, 3^6, 6^3\})$	621546934810705920
6	$\mathcal{O}(10; \{2, 3^9, 6^3\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{10}, 3, 6^4\})$	36561584400629760
6	$\mathcal{O}(10; \{2^6, 3^4, 6^4\})$	314429625845415936
6	$\mathcal{O}(10; \{2^2, 3^7, 6^4\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^7, 3^2, 6^5\})$	153558654482644992
6	$\mathcal{O}(10; \{2^3, 3^5, 6^5\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^8, 6^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^4, 3^3, 6^6\})$	621546934810705920
6	$\mathcal{O}(10; \{3^6, 6^6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^5, 3, 6^7\})$	314429625845415936
6	$\mathcal{O}(10; \{2, 3^4, 6^7\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^2, 6^8\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 6^9\})$	621546934810705920
6	$\mathcal{O}(10; \{3, 6^{10}\})$	2493500056122949632
6	$\mathcal{O}(9; \{2^{22}\})$	101559956406272
6	$\mathcal{O}(9; \{2^{18}, 3^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^{14}, 3^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{10}, 3^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^6, 3^{12}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^{15}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{19}, 3, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{15}, 3^4, 6\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{11}, 3^7, 6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^7, 3^{10}, 6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^3, 3^{13}, 6\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{16}, 3^2, 6^2\})$	609359740010496
6	$\mathcal{O}(9; \{2^{12}, 3^5, 6^2\})$	4265518180073472
6	$\mathcal{O}(9; \{2^8, 3^8, 6^2\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^{11}, 6^2\})$	277258681704775680
6	$\mathcal{O}(9; \{3^{14}, 6^2\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{17}, 6^3\})$	203119913336832

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^{13}, 3^3, 6^3\})$	2234319046705152
6	$\mathcal{O}(9; \{2^9, 3^6, 6^3\})$	17265192633630720
6	$\mathcal{O}(9; \{2^5, 3^9, 6^3\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^{12}, 6^3\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{14}, 3, 6^4\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{10}, 3^4, 6^4\})$	8734156273483776
6	$\mathcal{O}(9; \{2^6, 3^7, 6^4\})$	69263890447859712
6	$\mathcal{O}(9; \{2^2, 3^{10}, 6^4\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{11}, 3^2, 6^5\})$	4265518180073472
6	$\mathcal{O}(9; \{2^7, 3^5, 6^5\})$	34733505180598272
6	$\mathcal{O}(9; \{2^3, 3^8, 6^5\})$	277258681704775680
6	$\mathcal{O}(9; \{2^{12}, 6^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^8, 3^3, 6^6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^4, 3^6, 6^6\})$	138730900809056256
6	$\mathcal{O}(9; \{3^9, 6^6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^9, 3, 6^7\})$	8734156273483776
6	$\mathcal{O}(9; \{2^5, 3^4, 6^7\})$	69263890447859712
6	$\mathcal{O}(9; \{2, 3^7, 6^7\})$	554720483322888192
6	$\mathcal{O}(9; \{2^6, 3^2, 6^8\})$	34733505180598272
6	$\mathcal{O}(9; \{2^2, 3^5, 6^8\})$	277258681704775680
6	$\mathcal{O}(9; \{2^7, 6^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^3, 3^3, 6^9\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3, 6^{10}\})$	69263890447859712
6	$\mathcal{O}(9; \{3^4, 6^{10}\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^2, 6^{11}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 6^{12}\})$	138730900809056256
6	$\mathcal{O}(8; \{2^{26}\})$	2821109841920
6	$\mathcal{O}(8; \{2^{22}, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{18}, 3^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{14}, 3^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^{10}, 3^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^{15}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^{18}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{23}, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{19}, 3^4, 6\})$	28211099074560
6	$\mathcal{O}(8; \{2^{15}, 3^7, 6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{11}, 3^{10}, 6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^{13}, 6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^{16}, 6\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{20}, 3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{2^{16}, 3^5, 6^2\})$	118486616113152
6	$\mathcal{O}(8; \{2^{12}, 3^8, 6^2\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^{11}, 6^2\})$	7701630047354880

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^4, 3^{14}, 6^2\})$	61629967038283776
6	$\mathcal{O}(8; \{3^{17}, 6^2\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{21}, 6^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{17}, 3^3, 6^3\})$	62064417964032
6	$\mathcal{O}(8; \{2^{13}, 3^6, 6^3\})$	479588684267520
6	$\mathcal{O}(8; \{2^9, 3^9, 6^3\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^{12}, 6^3\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^{15}, 6^3\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{18}, 3, 6^4\})$	28211099074560
6	$\mathcal{O}(8; \{2^{14}, 3^4, 6^4\})$	242615452041216
6	$\mathcal{O}(8; \{2^{10}, 3^7, 6^4\})$	1923996956884992
6	$\mathcal{O}(8; \{2^6, 3^{10}, 6^4\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^{13}, 6^4\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{15}, 3^2, 6^5\})$	118486616113152
6	$\mathcal{O}(8; \{2^{11}, 3^5, 6^5\})$	964819588349952
6	$\mathcal{O}(8; \{2^7, 3^8, 6^5\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^{11}, 6^5\})$	61629967038283776
6	$\mathcal{O}(8; \{2^{16}, 6^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{12}, 3^3, 6^6\})$	479588684267520
6	$\mathcal{O}(8; \{2^8, 3^6, 6^6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^4, 3^9, 6^6\})$	30812162409234432
6	$\mathcal{O}(8; \{3^{12}, 6^6\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{13}, 3, 6^7\})$	242615452041216
6	$\mathcal{O}(8; \{2^9, 3^4, 6^7\})$	1923996956884992
6	$\mathcal{O}(8; \{2^5, 3^7, 6^7\})$	15408902314524672
6	$\mathcal{O}(8; \{2, 3^{10}, 6^7\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{10}, 3^2, 6^8\})$	964819588349952
6	$\mathcal{O}(8; \{2^6, 3^5, 6^8\})$	7701630047354880
6	$\mathcal{O}(8; \{2^2, 3^8, 6^8\})$	61629967038283776
6	$\mathcal{O}(8; \{2^{11}, 6^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^7, 3^3, 6^9\})$	3853636133584896
6	$\mathcal{O}(8; \{2^3, 3^6, 6^9\})$	30812162409234432
6	$\mathcal{O}(8; \{2^8, 3, 6^{10}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^4, 3^4, 6^{10}\})$	15408902314524672
6	$\mathcal{O}(8; \{3^7, 6^{10}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^5, 3^2, 6^{11}\})$	7701630047354880
6	$\mathcal{O}(8; \{2, 3^5, 6^{11}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^6, 6^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^2, 3^3, 6^{12}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3, 6^{13}\})$	15408902314524672
6	$\mathcal{O}(8; \{3^2, 6^{14}\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 6^{15}\})$	30812162409234432
6	$\mathcal{O}(7; \{2^{30}\})$	78364147712

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{26}, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{22}, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{18}, 3^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{14}, 3^{12}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^{18}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{21}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{27}, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{23}, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^{19}, 3^7, 6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{15}, 3^{10}, 6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^{13}, 6\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^{16}, 6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^{19}, 6\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{24}, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^{20}, 3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{2^{16}, 3^8, 6^2\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^{11}, 6^2\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^{14}, 6^2\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^{17}, 6^2\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{20}, 6^2\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{25}, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{21}, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2^{17}, 3^6, 6^3\})$	13321907896320
6	$\mathcal{O}(7; \{2^{13}, 3^9, 6^3\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^{12}, 6^3\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^{15}, 6^3\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{18}, 6^3\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{22}, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{2^{18}, 3^4, 6^4\})$	6739318112256
6	$\mathcal{O}(7; \{2^{14}, 3^7, 6^4\})$	53444359913472
6	$\mathcal{O}(7; \{2^{10}, 3^{10}, 6^4\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^{13}, 6^4\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^{16}, 6^4\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{19}, 3^2, 6^5\})$	3291294892032
6	$\mathcal{O}(7; \{2^{15}, 3^5, 6^5\})$	26800544120832
6	$\mathcal{O}(7; \{2^{11}, 3^8, 6^5\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^{11}, 6^5\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^{14}, 6^5\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{20}, 6^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{16}, 3^3, 6^6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{12}, 3^6, 6^6\})$	107045448155136
6	$\mathcal{O}(7; \{2^8, 3^9, 6^6\})$	855893400256512

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^4, 3^{12}, 6^6\})$	6847617387036672
6	$\mathcal{O}(7; \{3^{15}, 6^6\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{17}, 3, 6^7\})$	6739318112256
6	$\mathcal{O}(7; \{2^{13}, 3^4, 6^7\})$	53444359913472
6	$\mathcal{O}(7; \{2^9, 3^7, 6^7\})$	428025064292352
6	$\mathcal{O}(7; \{2^5, 3^{10}, 6^7\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^{13}, 6^7\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{14}, 3^2, 6^8\})$	26800544120832
6	$\mathcal{O}(7; \{2^{10}, 3^5, 6^8\})$	213934167982080
6	$\mathcal{O}(7; \{2^6, 3^8, 6^8\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^{11}, 6^8\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{15}, 6^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{11}, 3^3, 6^9\})$	107045448155136
6	$\mathcal{O}(7; \{2^7, 3^6, 6^9\})$	855893400256512
6	$\mathcal{O}(7; \{2^3, 3^9, 6^9\})$	6847617387036672
6	$\mathcal{O}(7; \{2^{12}, 3, 6^{10}\})$	53444359913472
6	$\mathcal{O}(7; \{2^8, 3^4, 6^{10}\})$	428025064292352
6	$\mathcal{O}(7; \{2^4, 3^7, 6^{10}\})$	3423730329354240
6	$\mathcal{O}(7; \{3^{10}, 6^{10}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^9, 3^2, 6^{11}\})$	213934167982080
6	$\mathcal{O}(7; \{2^5, 3^5, 6^{11}\})$	1711943528841216
6	$\mathcal{O}(7; \{2, 3^8, 6^{11}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{10}, 6^{12}\})$	107045448155136
6	$\mathcal{O}(7; \{2^6, 3^3, 6^{12}\})$	855893400256512
6	$\mathcal{O}(7; \{2^2, 3^6, 6^{12}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^7, 3, 6^{13}\})$	428025064292352
6	$\mathcal{O}(7; \{2^3, 3^4, 6^{13}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^2, 6^{14}\})$	1711943528841216
6	$\mathcal{O}(7; \{3^5, 6^{14}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^5, 6^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2, 3^3, 6^{15}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3, 6^{16}\})$	3423730329354240
6	$\mathcal{O}(7; \{6^{18}\})$	6847617387036672
6	$\mathcal{O}(6; \{2^{34}\})$	2176778240
6	$\mathcal{O}(6; \{2^{30}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{26}, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{22}, 3^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{18}, 3^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{21}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{24}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{31}, 3, 6\})$	4353564672

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{27}, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^{23}, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^{19}, 3^{10}, 6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^{13}, 6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^{16}, 6\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^{19}, 6\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{22}, 6\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{28}, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^{24}, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^{20}, 3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^{11}, 6^2\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^{14}, 6^2\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^{17}, 6^2\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{20}, 6^2\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{23}, 6^2\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{29}, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{25}, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^{21}, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2^{17}, 3^9, 6^3\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^{12}, 6^3\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^{15}, 6^3\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{18}, 6^3\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{21}, 6^3\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{26}, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^{22}, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2^{18}, 3^7, 6^4\})$	1484565553152
6	$\mathcal{O}(6; \{2^{14}, 3^{10}, 6^4\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^{13}, 6^4\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^{16}, 6^4\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{19}, 6^4\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{23}, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^{19}, 3^5, 6^5\})$	744459558912
6	$\mathcal{O}(6; \{2^{15}, 3^8, 6^5\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^{11}, 6^5\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^{14}, 6^5\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^{17}, 6^5\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{24}, 6^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{20}, 3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{2^{16}, 3^6, 6^6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{12}, 3^9, 6^6\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^{12}, 6^6\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^{15}, 6^6\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{18}, 6^6\})$	12173450596540416

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{21}, 3, 6^7\})$	187203280896
6	$\mathcal{O}(6; \{2^{17}, 3^4, 6^7\})$	1484565553152
6	$\mathcal{O}(6; \{2^{13}, 3^7, 6^7\})$	11889585119232
6	$\mathcal{O}(6; \{2^9, 3^{10}, 6^7\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^{13}, 6^7\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^{16}, 6^7\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{18}, 3^2, 6^8\})$	744459558912
6	$\mathcal{O}(6; \{2^{14}, 3^5, 6^8\})$	5942615777280
6	$\mathcal{O}(6; \{2^{10}, 3^8, 6^8\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^{11}, 6^8\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^{14}, 6^8\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{19}, 6^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{15}, 3^3, 6^9\})$	2973484670976
6	$\mathcal{O}(6; \{2^{11}, 3^6, 6^9\})$	23774816673792
6	$\mathcal{O}(6; \{2^7, 3^9, 6^9\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^{12}, 6^9\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{16}, 3, 6^{10}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{12}, 3^4, 6^{10}\})$	11889585119232
6	$\mathcal{O}(6; \{2^8, 3^7, 6^{10}\})$	95103620259840
6	$\mathcal{O}(6; \{2^4, 3^{10}, 6^{10}\})$	760842022772736
6	$\mathcal{O}(6; \{3^{13}, 6^{10}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{13}, 3^2, 6^{11}\})$	5942615777280
6	$\mathcal{O}(6; \{2^9, 3^5, 6^{11}\})$	47553986912256
6	$\mathcal{O}(6; \{2^5, 3^8, 6^{11}\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^{11}, 6^{11}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{14}, 6^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{10}, 3^3, 6^{12}\})$	23774816673792
6	$\mathcal{O}(6; \{2^6, 3^6, 6^{12}\})$	190211594084352
6	$\mathcal{O}(6; \{2^2, 3^9, 6^{12}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{11}, 3, 6^{13}\})$	11889585119232
6	$\mathcal{O}(6; \{2^7, 3^4, 6^{13}\})$	95103620259840
6	$\mathcal{O}(6; \{2^3, 3^7, 6^{13}\})$	760842022772736
6	$\mathcal{O}(6; \{2^8, 3^2, 6^{14}\})$	47553986912256
6	$\mathcal{O}(6; \{2^4, 3^5, 6^{14}\})$	380418834604032
6	$\mathcal{O}(6; \{3^8, 6^{14}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^9, 6^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^5, 3^3, 6^{15}\})$	190211594084352
6	$\mathcal{O}(6; \{2, 3^6, 6^{15}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^6, 3, 6^{16}\})$	95103620259840
6	$\mathcal{O}(6; \{2^2, 3^4, 6^{16}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^2, 6^{17}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 6^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{3^3, 6^{18}\})$	1521679691980800

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2, 3, 6^{19}\})$	760842022772736
6	$\mathcal{O}(5; \{2^{38}\})$	60465152
6	$\mathcal{O}(5; \{2^{34}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{30}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{26}, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{22}, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{24}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{27}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{35}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{31}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^{27}, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^{23}, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^{13}, 6\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^{16}, 6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^{19}, 6\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{22}, 6\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{25}, 6\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{32}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^{28}, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^{24}, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^{14}, 6^2\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^{17}, 6^2\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{20}, 6^2\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{23}, 6^2\})$	676302689986560
6	$\mathcal{O}(5; \{3^{26}, 6^2\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{33}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^{29}, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^{25}, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^{21}, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^{12}, 6^3\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^{15}, 6^3\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{18}, 6^3\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{21}, 6^3\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{24}, 6^3\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{30}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^{26}, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^{22}, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{2^{18}, 3^{10}, 6^4\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^{13}, 6^4\})$	2641767229440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{10}, 3^{16}, 6^4\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{19}, 6^4\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{22}, 6^4\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{27}, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^{23}, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^{19}, 3^8, 6^5\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^{11}, 6^5\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^{14}, 6^5\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^{17}, 6^5\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{20}, 6^5\})$	676302689986560
6	$\mathcal{O}(5; \{2^{28}, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{24}, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^{20}, 3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 3^9, 6^6\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^{12}, 6^6\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^{15}, 6^6\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{18}, 6^6\})$	338151405459456
6	$\mathcal{O}(5; \{3^{21}, 6^6\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{25}, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2^{21}, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2^{17}, 3^7, 6^7\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3^{10}, 6^7\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^{13}, 6^7\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^{16}, 6^7\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{19}, 6^7\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{22}, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2^{18}, 3^5, 6^8\})$	165072660480
6	$\mathcal{O}(5; \{2^{14}, 3^8, 6^8\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^{11}, 6^8\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^{14}, 6^8\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^{17}, 6^8\})$	676302689986560
6	$\mathcal{O}(5; \{2^{23}, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{19}, 3^3, 6^9\})$	82596796416
6	$\mathcal{O}(5; \{2^{15}, 3^6, 6^9\})$	660411574272
6	$\mathcal{O}(5; \{2^{11}, 3^9, 6^9\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^{12}, 6^9\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^{15}, 6^9\})$	338151405459456
6	$\mathcal{O}(5; \{2^{20}, 3, 6^{10}\})$	41237932032
6	$\mathcal{O}(5; \{2^{16}, 3^4, 6^{10}\})$	330266253312
6	$\mathcal{O}(5; \{2^{12}, 3^7, 6^{10}\})$	2641767229440
6	$\mathcal{O}(5; \{2^8, 3^{10}, 6^{10}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^{13}, 6^{10}\})$	169075642263552
6	$\mathcal{O}(5; \{3^{16}, 6^{10}\})$	1352605500905472

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{17}, 3^2, 6^{11}\})$	165072660480
6	$\mathcal{O}(5; \{2^{13}, 3^5, 6^{11}\})$	1320944080896
6	$\mathcal{O}(5; \{2^9, 3^8, 6^{11}\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^{11}, 6^{11}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^{14}, 6^{11}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{18}, 6^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{14}, 3^3, 6^{12}\})$	660411574272
6	$\mathcal{O}(5; \{2^{10}, 3^6, 6^{12}\})$	5283655391232
6	$\mathcal{O}(5; \{2^6, 3^9, 6^{12}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^{12}, 6^{12}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{15}, 3, 6^{13}\})$	330266253312
6	$\mathcal{O}(5; \{2^{11}, 3^4, 6^{13}\})$	2641767229440
6	$\mathcal{O}(5; \{2^7, 3^7, 6^{13}\})$	21134500632576
6	$\mathcal{O}(5; \{2^3, 3^{10}, 6^{13}\})$	169075642263552
6	$\mathcal{O}(5; \{2^{12}, 3^2, 6^{14}\})$	1320944080896
6	$\mathcal{O}(5; \{2^8, 3^5, 6^{14}\})$	10567189850112
6	$\mathcal{O}(5; \{2^4, 3^8, 6^{14}\})$	84537881597952
6	$\mathcal{O}(5; \{3^{11}, 6^{14}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{13}, 6^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^9, 3^3, 6^{15}\})$	5283655391232
6	$\mathcal{O}(5; \{2^5, 3^6, 6^{15}\})$	42268880332800
6	$\mathcal{O}(5; \{2, 3^9, 6^{15}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{10}, 3, 6^{16}\})$	2641767229440
6	$\mathcal{O}(5; \{2^6, 3^4, 6^{16}\})$	21134500632576
6	$\mathcal{O}(5; \{2^2, 3^7, 6^{16}\})$	169075642263552
6	$\mathcal{O}(5; \{2^7, 3^2, 6^{17}\})$	10567189850112
6	$\mathcal{O}(5; \{2^3, 3^5, 6^{17}\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 6^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^4, 3^3, 6^{18}\})$	42268880332800
6	$\mathcal{O}(5; \{3^6, 6^{18}\})$	338151405459456
6	$\mathcal{O}(5; \{2^5, 3, 6^{19}\})$	21134500632576
6	$\mathcal{O}(5; \{2, 3^4, 6^{19}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^2, 6^{20}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 6^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{3, 6^{22}\})$	169075642263552
6	$\mathcal{O}(4; \{2^{42}\})$	1679360
6	$\mathcal{O}(4; \{2^{38}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{34}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{30}, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^{26}, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{21}\})$	1174135564800

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{10}, 3^{24}\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{27}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{30}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{39}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{35}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{31}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^{27}, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^{16}, 6\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^{19}, 6\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{22}, 6\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{25}, 6\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{28}, 6\})$	300578990123520
6	$\mathcal{O}(4; \{2^{36}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{32}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^{28}, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^{17}, 6^2\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{20}, 6^2\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{23}, 6^2\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{26}, 6^2\})$	150289496741376
6	$\mathcal{O}(4; \{3^{29}, 6^2\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{37}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{33}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^{29}, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^{25}, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^{15}, 6^3\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{18}, 6^3\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{21}, 6^3\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{24}, 6^3\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{27}, 6^3\})$	601157983606272
6	$\mathcal{O}(4; \{2^{34}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{30}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^{26}, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^{22}, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^{13}, 6^4\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^{16}, 6^4\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{19}, 6^4\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{22}, 6^4\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{25}, 6^4\})$	300578990123520
6	$\mathcal{O}(4; \{2^{31}, 3^2, 6^5\})$	70543872

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{27}, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^{23}, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^{11}, 6^5\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^{14}, 6^5\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^{17}, 6^5\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{20}, 6^5\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{23}, 6^5\})$	150289496741376
6	$\mathcal{O}(4; \{2^{32}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^{28}, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^{24}, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^{20}, 3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^{12}, 6^6\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^{15}, 6^6\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{18}, 6^6\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{21}, 6^6\})$	75144746691072
6	$\mathcal{O}(4; \{3^{24}, 6^6\})$	601157983606272
6	$\mathcal{O}(4; \{2^{29}, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^{25}, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^{21}, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2^{17}, 3^{10}, 6^7\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^{13}, 6^7\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^{16}, 6^7\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{19}, 6^7\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{22}, 6^7\})$	300578990123520
6	$\mathcal{O}(4; \{2^{26}, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^{22}, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^{18}, 3^8, 6^8\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^{11}, 6^8\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^{14}, 6^8\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^{17}, 6^8\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{20}, 6^8\})$	150289496741376
6	$\mathcal{O}(4; \{2^{27}, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^{23}, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^{19}, 3^6, 6^9\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 3^9, 6^9\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^{12}, 6^9\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^{15}, 6^9\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{18}, 6^9\})$	75144746691072
6	$\mathcal{O}(4; \{2^{24}, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{2^{20}, 3^4, 6^{10}\})$	9174062592
6	$\mathcal{O}(4; \{2^{16}, 3^7, 6^{10}\})$	73382423040
6	$\mathcal{O}(4; \{2^{12}, 3^{10}, 6^{10}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^{13}, 6^{10}\})$	4696545618432

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^4, 3^{16}, 6^{10}\})$	37572375025152
6	$\mathcal{O}(4; \{3^{19}, 6^{10}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{21}, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2^{17}, 3^5, 6^{11}\})$	36692891136
6	$\mathcal{O}(4; \{2^{13}, 3^8, 6^{11}\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^{11}, 6^{11}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^{14}, 6^{11}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^{17}, 6^{11}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{22}, 6^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{18}, 3^3, 6^{12}\})$	18344765952
6	$\mathcal{O}(4; \{2^{14}, 3^6, 6^{12}\})$	146768205312
6	$\mathcal{O}(4; \{2^{10}, 3^9, 6^{12}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^{12}, 6^{12}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^{15}, 6^{12}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{19}, 3, 6^{13}\})$	9174062592
6	$\mathcal{O}(4; \{2^{15}, 3^4, 6^{13}\})$	73382423040
6	$\mathcal{O}(4; \{2^{11}, 3^7, 6^{13}\})$	587069462016
6	$\mathcal{O}(4; \{2^7, 3^{10}, 6^{13}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^{13}, 6^{13}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{16}, 3^2, 6^{14}\})$	36692891136
6	$\mathcal{O}(4; \{2^{12}, 3^5, 6^{14}\})$	293533051392
6	$\mathcal{O}(4; \{2^8, 3^8, 6^{14}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^{11}, 6^{14}\})$	18786185832960
6	$\mathcal{O}(4; \{3^{14}, 6^{14}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{17}, 6^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{13}, 3^3, 6^{15}\})$	146768205312
6	$\mathcal{O}(4; \{2^9, 3^6, 6^{15}\})$	1174135564800
6	$\mathcal{O}(4; \{2^5, 3^9, 6^{15}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^{12}, 6^{15}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{14}, 3, 6^{16}\})$	73382423040
6	$\mathcal{O}(4; \{2^{10}, 3^4, 6^{16}\})$	587069462016
6	$\mathcal{O}(4; \{2^6, 3^7, 6^{16}\})$	4696545618432
6	$\mathcal{O}(4; \{2^2, 3^{10}, 6^{16}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6^{17}\})$	293533051392
6	$\mathcal{O}(4; \{2^7, 3^5, 6^{17}\})$	2348274488832
6	$\mathcal{O}(4; \{2^3, 3^8, 6^{17}\})$	18786185832960
6	$\mathcal{O}(4; \{2^{12}, 6^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^8, 3^3, 6^{18}\})$	1174135564800
6	$\mathcal{O}(4; \{2^4, 3^6, 6^{18}\})$	9393094596096
6	$\mathcal{O}(4; \{3^9, 6^{18}\})$	75144746691072
6	$\mathcal{O}(4; \{2^9, 3, 6^{19}\})$	587069462016
6	$\mathcal{O}(4; \{2^5, 3^4, 6^{19}\})$	4696545618432
6	$\mathcal{O}(4; \{2, 3^7, 6^{19}\})$	37572375025152

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^6, 3^2, 6^{20}\})$	2348274488832
6	$\mathcal{O}(4; \{2^2, 3^5, 6^{20}\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 6^{21}\})$	1174135564800
6	$\mathcal{O}(4; \{2^3, 3^3, 6^{21}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3, 6^{22}\})$	4696545618432
6	$\mathcal{O}(4; \{3^4, 6^{22}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^2, 6^{23}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 6^{24}\})$	9393094596096
6	$\mathcal{O}(3; \{2^{46}\})$	46592
6	$\mathcal{O}(3; \{2^{42}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{38}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{34}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{30}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{27}\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{30}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{33}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{43}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{39}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{35}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{31}, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^{19}, 6\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{22}, 6\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{25}, 6\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{28}, 6\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{31}, 6\})$	66795331418496
6	$\mathcal{O}(3; \{2^{40}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{36}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{32}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{20}, 6^2\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{23}, 6^2\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{26}, 6^2\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{29}, 6^2\})$	33397665662592
6	$\mathcal{O}(3; \{3^{32}, 6^2\})$	267181325580672
6	$\mathcal{O}(3; \{2^{41}, 6^3\})$	93312

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{37}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{33}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^{29}, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{18}, 6^3\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{21}, 6^3\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{24}, 6^3\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{27}, 6^3\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{30}, 6^3\})$	133590662743680
6	$\mathcal{O}(3; \{2^{38}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{34}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{30}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^{26}, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^{16}, 6^4\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^{19}, 6^4\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{22}, 6^4\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{25}, 6^4\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{28}, 6^4\})$	66795331418496
6	$\mathcal{O}(3; \{2^{35}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{31}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^{27}, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^{14}, 6^5\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^{17}, 6^5\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{20}, 6^5\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{23}, 6^5\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{26}, 6^5\})$	33397665662592
6	$\mathcal{O}(3; \{2^{36}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{32}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^{28}, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^{24}, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^{15}, 6^6\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{18}, 6^6\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{21}, 6^6\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{24}, 6^6\})$	16698832877952
6	$\mathcal{O}(3; \{3^{27}, 6^6\})$	133590662743680
6	$\mathcal{O}(3; \{2^{33}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^{29}, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^{25}, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^{21}, 3^{10}, 6^7\})$	2038400640

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{17}, 3^{13}, 6^7\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^{16}, 6^7\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{19}, 6^7\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{22}, 6^7\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{25}, 6^7\})$	66795331418496
6	$\mathcal{O}(3; \{2^{30}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^{26}, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^{22}, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^{11}, 6^8\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^{14}, 6^8\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^{17}, 6^8\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{20}, 6^8\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{23}, 6^8\})$	33397665662592
6	$\mathcal{O}(3; \{2^{31}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^{27}, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^{23}, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3^9, 6^9\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^{12}, 6^9\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^{15}, 6^9\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{18}, 6^9\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{21}, 6^9\})$	16698832877952
6	$\mathcal{O}(3; \{2^{28}, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^{24}, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^{20}, 3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3^{10}, 6^{10}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^{13}, 6^{10}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^{16}, 6^{10}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^{19}, 6^{10}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{22}, 6^{10}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{25}, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^{21}, 3^5, 6^{11}\})$	1019246976
6	$\mathcal{O}(3; \{2^{17}, 3^8, 6^{11}\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^{11}, 6^{11}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^{14}, 6^{11}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^{17}, 6^{11}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{20}, 6^{11}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{26}, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{22}, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2^{18}, 3^6, 6^{12}\})$	4076894592
6	$\mathcal{O}(3; \{2^{14}, 3^9, 6^{12}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^{12}, 6^{12}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^{15}, 6^{12}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^{18}, 6^{12}\})$	16698832877952

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{23}, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{2^{19}, 3^4, 6^{13}\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 3^7, 6^{13}\})$	16307485056
6	$\mathcal{O}(3; \{2^{11}, 3^{10}, 6^{13}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^{13}, 6^{13}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^{16}, 6^{13}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{20}, 3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{2^{16}, 3^5, 6^{14}\})$	8153695872
6	$\mathcal{O}(3; \{2^{12}, 3^8, 6^{14}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^{11}, 6^{14}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^{14}, 6^{14}\})$	4174708242816
6	$\mathcal{O}(3; \{3^{17}, 6^{14}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{21}, 6^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{17}, 3^3, 6^{15}\})$	4076894592
6	$\mathcal{O}(3; \{2^{13}, 3^6, 6^{15}\})$	32614876800
6	$\mathcal{O}(3; \{2^9, 3^9, 6^{15}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^{12}, 6^{15}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^{15}, 6^{15}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{18}, 3, 6^{16}\})$	2038400640
6	$\mathcal{O}(3; \{2^{14}, 3^4, 6^{16}\})$	16307485056
6	$\mathcal{O}(3; \{2^{10}, 3^7, 6^{16}\})$	130459600512
6	$\mathcal{O}(3; \{2^6, 3^{10}, 6^{16}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^{13}, 6^{16}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6^{17}\})$	8153695872
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6^{17}\})$	65229846912
6	$\mathcal{O}(3; \{2^7, 3^8, 6^{17}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6^{17}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{16}, 6^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^{18}\})$	32614876800
6	$\mathcal{O}(3; \{2^8, 3^6, 6^{18}\})$	260919294336
6	$\mathcal{O}(3; \{2^4, 3^9, 6^{18}\})$	2087354074752
6	$\mathcal{O}(3; \{3^{12}, 6^{18}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{13}, 3, 6^{19}\})$	16307485056
6	$\mathcal{O}(3; \{2^9, 3^4, 6^{19}\})$	130459600512
6	$\mathcal{O}(3; \{2^5, 3^7, 6^{19}\})$	1043677084032
6	$\mathcal{O}(3; \{2, 3^{10}, 6^{19}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{10}, 3^2, 6^{20}\})$	65229846912
6	$\mathcal{O}(3; \{2^6, 3^5, 6^{20}\})$	521838495360
6	$\mathcal{O}(3; \{2^2, 3^8, 6^{20}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{11}, 6^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^7, 3^3, 6^{21}\})$	260919294336
6	$\mathcal{O}(3; \{2^3, 3^6, 6^{21}\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3, 6^{22}\})$	130459600512

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^4, 3^4, 6^{22}\})$	1043677084032
6	$\mathcal{O}(3; \{3^7, 6^{22}\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^2, 6^{23}\})$	521838495360
6	$\mathcal{O}(3; \{2, 3^5, 6^{23}\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 6^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^2, 3^3, 6^{24}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3, 6^{25}\})$	1043677084032
6	$\mathcal{O}(3; \{3^2, 6^{26}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 6^{27}\})$	2087354074752
6	$\mathcal{O}(2; \{2^{50}\})$	1280
6	$\mathcal{O}(2; \{2^{46}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{42}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{38}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{34}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{30}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{33}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{36}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{47}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{43}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{39}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{35}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{31}, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{22}, 6\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{25}, 6\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{28}, 6\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{31}, 6\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{34}, 6\})$	14843406974112
6	$\mathcal{O}(2; \{2^{44}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{40}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{36}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{23}, 6^2\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{26}, 6^2\})$	115964117856

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^{29}, 6^2\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{32}, 6^2\})$	7421703488352
6	$\mathcal{O}(2; \{3^{35}, 6^2\})$	59373627899040
6	$\mathcal{O}(2; \{2^{45}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{41}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{37}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{33}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{21}, 6^3\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{24}, 6^3\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{27}, 6^3\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{30}, 6^3\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{33}, 6^3\})$	29686813950816
6	$\mathcal{O}(2; \{2^{42}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{38}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{34}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{30}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{19}, 6^4\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{22}, 6^4\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{25}, 6^4\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{28}, 6^4\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{31}, 6^4\})$	14843406974112
6	$\mathcal{O}(2; \{2^{39}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{35}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^{31}, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^{17}, 6^5\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{20}, 6^5\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{23}, 6^5\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{26}, 6^5\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{29}, 6^5\})$	7421703488352
6	$\mathcal{O}(2; \{2^{40}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{36}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{32}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^{28}, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^{15}, 6^6\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{18}, 6^6\})$	7247758176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{12}, 3^{21}, 6^6\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{24}, 6^6\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{27}, 6^6\})$	3710851742880
6	$\mathcal{O}(2; \{3^{30}, 6^6\})$	29686813950816
6	$\mathcal{O}(2; \{2^{37}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{33}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^{29}, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^{25}, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^{16}, 6^7\})$	362387792
6	$\mathcal{O}(2; \{2^{13}, 3^{19}, 6^7\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{22}, 6^7\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{25}, 6^7\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{28}, 6^7\})$	14843406974112
6	$\mathcal{O}(2; \{2^{34}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{30}, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^{26}, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^{14}, 6^8\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^{17}, 6^8\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{20}, 6^8\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{23}, 6^8\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{26}, 6^8\})$	7421703488352
6	$\mathcal{O}(2; \{2^{35}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^{31}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^{27}, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^{23}, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^{12}, 6^9\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^{15}, 6^9\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{18}, 6^9\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{21}, 6^9\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{24}, 6^9\})$	3710851742880
6	$\mathcal{O}(2; \{2^{32}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^{28}, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^{24}, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^{13}, 6^{10}\})$	362387792
6	$\mathcal{O}(2; \{2^{12}, 3^{16}, 6^{10}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{19}, 6^{10}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{22}, 6^{10}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{25}, 6^{10}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{29}, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^{25}, 3^5, 6^{11}\})$	28312416

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{21}, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^{11}, 6^{11}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^{14}, 6^{11}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^{17}, 6^{11}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{20}, 6^{11}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{23}, 6^{11}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{30}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{26}, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^{22}, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^{18}, 3^9, 6^{12}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^{12}, 6^{12}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^{15}, 6^{12}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{18}, 6^{12}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{21}, 6^{12}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{27}, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^{23}, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^{19}, 3^7, 6^{13}\})$	452985696
6	$\mathcal{O}(2; \{2^{15}, 3^{10}, 6^{13}\})$	362387792
6	$\mathcal{O}(2; \{2^{11}, 3^{13}, 6^{13}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^{16}, 6^{13}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{19}, 6^{13}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{24}, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^{20}, 3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{2^{16}, 3^8, 6^{14}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^{11}, 6^{14}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^{14}, 6^{14}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^{17}, 6^{14}\})$	927712935072
6	$\mathcal{O}(2; \{3^{20}, 6^{14}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{25}, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{21}, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2^{17}, 3^6, 6^{15}\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^9, 6^{15}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^{12}, 6^{15}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^{15}, 6^{15}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{18}, 6^{15}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{22}, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{2^{18}, 3^4, 6^{16}\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 3^7, 6^{16}\})$	362387792
6	$\mathcal{O}(2; \{2^{10}, 3^{10}, 6^{16}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^{13}, 6^{16}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^{16}, 6^{16}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{19}, 3^2, 6^{17}\})$	226491552
6	$\mathcal{O}(2; \{2^{15}, 3^5, 6^{17}\})$	1811940192

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{11}, 3^8, 6^{17}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^{11}, 6^{17}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^{14}, 6^{17}\})$	927712935072
6	$\mathcal{O}(2; \{2^{20}, 6^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{16}, 3^3, 6^{18}\})$	905968800
6	$\mathcal{O}(2; \{2^{12}, 3^6, 6^{18}\})$	7247758176
6	$\mathcal{O}(2; \{2^8, 3^9, 6^{18}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^{12}, 6^{18}\})$	463856468832
6	$\mathcal{O}(2; \{3^{15}, 6^{18}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{17}, 3, 6^{19}\})$	452985696
6	$\mathcal{O}(2; \{2^{13}, 3^4, 6^{19}\})$	3623877792
6	$\mathcal{O}(2; \{2^9, 3^7, 6^{19}\})$	28991030112
6	$\mathcal{O}(2; \{2^5, 3^{10}, 6^{19}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^{13}, 6^{19}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{14}, 3^2, 6^{20}\})$	1811940192
6	$\mathcal{O}(2; \{2^{10}, 3^5, 6^{20}\})$	14495513760
6	$\mathcal{O}(2; \{2^6, 3^8, 6^{20}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^{11}, 6^{20}\})$	927712935072
6	$\mathcal{O}(2; \{2^{15}, 6^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{11}, 3^3, 6^{21}\})$	7247758176
6	$\mathcal{O}(2; \{2^7, 3^6, 6^{21}\})$	57982057632
6	$\mathcal{O}(2; \{2^3, 3^9, 6^{21}\})$	463856468832
6	$\mathcal{O}(2; \{2^{12}, 3, 6^{22}\})$	3623877792
6	$\mathcal{O}(2; \{2^8, 3^4, 6^{22}\})$	28991030112
6	$\mathcal{O}(2; \{2^4, 3^7, 6^{22}\})$	231928233120
6	$\mathcal{O}(2; \{3^{10}, 6^{22}\})$	1855425872736
6	$\mathcal{O}(2; \{2^9, 3^2, 6^{23}\})$	14495513760
6	$\mathcal{O}(2; \{2^5, 3^5, 6^{23}\})$	115964117856
6	$\mathcal{O}(2; \{2, 3^8, 6^{23}\})$	927712935072
6	$\mathcal{O}(2; \{2^{10}, 6^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^6, 3^3, 6^{24}\})$	57982057632
6	$\mathcal{O}(2; \{2^2, 3^6, 6^{24}\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3, 6^{25}\})$	28991030112
6	$\mathcal{O}(2; \{2^3, 3^4, 6^{25}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^2, 6^{26}\})$	115964117856
6	$\mathcal{O}(2; \{3^5, 6^{26}\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 6^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2, 3^3, 6^{27}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3, 6^{28}\})$	231928233120
6	$\mathcal{O}(2; \{6^{30}\})$	463856468832
6	$\mathcal{O}(1; \{2^{54}\})$	32
6	$\mathcal{O}(1; \{2^{50}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{46}, 3^6\})$	792

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{42}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{38}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{30}\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{33}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{36}\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{39}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{51}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{47}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{43}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{39}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{25}, 6\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{28}, 6\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{31}, 6\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{34}, 6\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{37}, 6\})$	3298534883352
6	$\mathcal{O}(1; \{2^{48}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{44}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{40}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{26}, 6^2\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{29}, 6^2\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{32}, 6^2\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{35}, 6^2\})$	1649267441640
6	$\mathcal{O}(1; \{3^{38}, 6^2\})$	13194139533336
6	$\mathcal{O}(1; \{2^{49}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{45}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{41}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{37}, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^{15}, 6^3\})$	3145752

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{25}, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{24}, 6^3\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{27}, 6^3\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{30}, 6^3\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{33}, 6^3\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{36}, 6^3\})$	6597069766632
6	$\mathcal{O}(1; \{2^{46}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^{42}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{38}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{34}, 3^{10}, 6^4\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{22}, 6^4\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{25}, 6^4\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{28}, 6^4\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{31}, 6^4\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{34}, 6^4\})$	3298534883352
6	$\mathcal{O}(1; \{2^{43}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{39}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{35}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{20}, 6^5\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{23}, 6^5\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{26}, 6^5\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{29}, 6^5\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{32}, 6^5\})$	1649267441640
6	$\mathcal{O}(1; \{2^{44}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{40}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{36}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{32}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{21}, 6^6\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{24}, 6^6\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{27}, 6^6\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{30}, 6^6\})$	824633720856
6	$\mathcal{O}(1; \{3^{33}, 6^6\})$	6597069766632
6	$\mathcal{O}(1; \{2^{41}, 3, 6^7\})$	3096

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{37}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{33}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^{29}, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{19}, 6^7\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{22}, 6^7\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{25}, 6^7\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{28}, 6^7\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{31}, 6^7\})$	3298534883352
6	$\mathcal{O}(1; \{2^{38}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{34}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{30}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^{17}, 6^8\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{20}, 6^8\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{23}, 6^8\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{26}, 6^8\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{29}, 6^8\})$	1649267441640
6	$\mathcal{O}(1; \{2^{39}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{35}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{31}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^{27}, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^{15}, 6^9\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{18}, 6^9\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{21}, 6^9\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{24}, 6^9\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{27}, 6^9\})$	824633720856
6	$\mathcal{O}(1; \{2^{36}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{32}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^{28}, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^{24}, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^{13}, 6^{10}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^{16}, 6^{10}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{19}, 6^{10}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{22}, 6^{10}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{25}, 6^{10}\})$	412316860392
6	$\mathcal{O}(1; \{3^{28}, 6^{10}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{33}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^{29}, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^{25}, 3^8, 6^{11}\})$	6291432

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{21}, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^{14}, 6^{11}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^{17}, 6^{11}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{20}, 6^{11}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{23}, 6^{11}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{26}, 6^{11}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{34}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{30}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^{26}, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^{22}, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^{12}, 6^{12}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^{15}, 6^{12}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^{18}, 6^{12}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{21}, 6^{12}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{24}, 6^{12}\})$	824633720856
6	$\mathcal{O}(1; \{2^{31}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^{27}, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^{23}, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^{19}, 3^{10}, 6^{13}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^{13}, 6^{13}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^{16}, 6^{13}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{19}, 6^{13}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{22}, 6^{13}\})$	412316860392
6	$\mathcal{O}(1; \{2^{28}, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^{24}, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^{20}, 3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^{11}, 6^{14}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^{14}, 6^{14}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^{17}, 6^{14}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{20}, 6^{14}\})$	206158430232
6	$\mathcal{O}(1; \{3^{23}, 6^{14}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{29}, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{25}, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^{21}, 3^6, 6^{15}\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3^9, 6^{15}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^{12}, 6^{15}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^{15}, 6^{15}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{18}, 6^{15}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{21}, 6^{15}\})$	824633720856
6	$\mathcal{O}(1; \{2^{26}, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^{22}, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2^{18}, 3^7, 6^{16}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3^{10}, 6^{16}\})$	805306392

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 3^{13}, 6^{16}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^{16}, 6^{16}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{19}, 6^{16}\})$	412316860392
6	$\mathcal{O}(1; \{2^{23}, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^{19}, 3^5, 6^{17}\})$	50331672
6	$\mathcal{O}(1; \{2^{15}, 3^8, 6^{17}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^{11}, 6^{17}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^{14}, 6^{17}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^{17}, 6^{17}\})$	206158430232
6	$\mathcal{O}(1; \{2^{24}, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{20}, 3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{2^{16}, 3^6, 6^{18}\})$	201326616
6	$\mathcal{O}(1; \{2^{12}, 3^9, 6^{18}\})$	1610612712
6	$\mathcal{O}(1; \{2^8, 3^{12}, 6^{18}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^{15}, 6^{18}\})$	103079215080
6	$\mathcal{O}(1; \{3^{18}, 6^{18}\})$	824633720856
6	$\mathcal{O}(1; \{2^{21}, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(1; \{2^{17}, 3^4, 6^{19}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 3^7, 6^{19}\})$	805306392
6	$\mathcal{O}(1; \{2^9, 3^{10}, 6^{19}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^{13}, 6^{19}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^{16}, 6^{19}\})$	412316860392
6	$\mathcal{O}(1; \{2^{18}, 3^2, 6^{20}\})$	50331672
6	$\mathcal{O}(1; \{2^{14}, 3^5, 6^{20}\})$	402653160
6	$\mathcal{O}(1; \{2^{10}, 3^8, 6^{20}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^{11}, 6^{20}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^{14}, 6^{20}\})$	206158430232
6	$\mathcal{O}(1; \{2^{19}, 6^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{15}, 3^3, 6^{21}\})$	201326616
6	$\mathcal{O}(1; \{2^{11}, 3^6, 6^{21}\})$	1610612712
6	$\mathcal{O}(1; \{2^7, 3^9, 6^{21}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^{12}, 6^{21}\})$	103079215080
6	$\mathcal{O}(1; \{2^{16}, 3, 6^{22}\})$	100663272
6	$\mathcal{O}(1; \{2^{12}, 3^4, 6^{22}\})$	805306392
6	$\mathcal{O}(1; \{2^8, 3^7, 6^{22}\})$	6442450920
6	$\mathcal{O}(1; \{2^4, 3^{10}, 6^{22}\})$	51539607576
6	$\mathcal{O}(1; \{3^{13}, 6^{22}\})$	412316860392
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6^{23}\})$	402653160
6	$\mathcal{O}(1; \{2^9, 3^5, 6^{23}\})$	3221225496
6	$\mathcal{O}(1; \{2^5, 3^8, 6^{23}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^{11}, 6^{23}\})$	206158430232
6	$\mathcal{O}(1; \{2^{14}, 6^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^{24}\})$	1610612712

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^6, 3^6, 6^{24}\})$	12884901912
6	$\mathcal{O}(1; \{2^2, 3^9, 6^{24}\})$	103079215080
6	$\mathcal{O}(1; \{2^{11}, 3, 6^{25}\})$	805306392
6	$\mathcal{O}(1; \{2^7, 3^4, 6^{25}\})$	6442450920
6	$\mathcal{O}(1; \{2^3, 3^7, 6^{25}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{26}\})$	3221225496
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{26}\})$	25769803752
6	$\mathcal{O}(1; \{3^8, 6^{26}\})$	206158430232
6	$\mathcal{O}(1; \{2^9, 6^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{27}\})$	12884901912
6	$\mathcal{O}(1; \{2, 3^6, 6^{27}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3, 6^{28}\})$	6442450920
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{28}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{29}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 6^{30}\})$	12884901912
6	$\mathcal{O}(1; \{3^3, 6^{30}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3, 6^{31}\})$	51539607576
6	$\mathcal{O}(0; \{2^{54}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{50}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{46}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{42}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{33}\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{36}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{39}\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{42}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{55}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{51}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{47}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{43}, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{25}, 6\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{28}, 6\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{31}, 6\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{34}, 6\})$	11453246122

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^7, 3^{37}, 6\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{40}, 6\})$	733007751850
6	$\mathcal{O}(0; \{2^{52}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{48}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{44}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{23}, 6^2\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{26}, 6^2\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{29}, 6^2\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{32}, 6^2\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{35}, 6^2\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{38}, 6^2\})$	366503875926
6	$\mathcal{O}(0; \{3^{41}, 6^2\})$	2932031007402
6	$\mathcal{O}(0; \{2^{53}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{49}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{45}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{41}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{21}, 6^3\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{24}, 6^3\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{27}, 6^3\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{30}, 6^3\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{33}, 6^3\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{36}, 6^3\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{39}, 6^3\})$	1466015503702
6	$\mathcal{O}(0; \{2^{50}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{46}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^{42}, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^{38}, 3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^{13}, 6^4\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^{16}, 6^4\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{19}, 6^4\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{22}, 6^4\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{25}, 6^4\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{28}, 6^4\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{31}, 6^4\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{34}, 6^4\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{37}, 6^4\})$	733007751850

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{47}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^{43}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{39}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^{11}, 6^5\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{23}, 6^5\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{26}, 6^5\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{29}, 6^5\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{32}, 6^5\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{35}, 6^5\})$	366503875926
6	$\mathcal{O}(0; \{2^{48}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{44}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{40}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{36}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{24}, 6^6\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{27}, 6^6\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{30}, 6^6\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{33}, 6^6\})$	183251937962
6	$\mathcal{O}(0; \{3^{36}, 6^6\})$	1466015503702
6	$\mathcal{O}(0; \{2^{45}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{41}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{37}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{33}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{19}, 6^7\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{22}, 6^7\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{25}, 6^7\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{28}, 6^7\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{31}, 6^7\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{34}, 6^7\})$	733007751850
6	$\mathcal{O}(0; \{2^{42}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{38}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{34}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^{17}, 6^8\})$	11184810

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{18}, 3^{20}, 6^8\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{23}, 6^8\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{26}, 6^8\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{29}, 6^8\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{32}, 6^8\})$	366503875926
6	$\mathcal{O}(0; \{2^{43}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{39}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{35}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{31}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{18}, 6^9\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{21}, 6^9\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{24}, 6^9\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{27}, 6^9\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{30}, 6^9\})$	183251937962
6	$\mathcal{O}(0; \{2^{40}, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{2^{36}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{32}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^{28}, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^{13}, 6^{10}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{19}, 6^{10}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{22}, 6^{10}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{25}, 6^{10}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{28}, 6^{10}\})$	91625968982
6	$\mathcal{O}(0; \{3^{31}, 6^{10}\})$	733007751850
6	$\mathcal{O}(0; \{2^{37}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{33}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^{29}, 3^8, 6^{11}\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^{17}, 6^{11}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{20}, 6^{11}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{23}, 6^{11}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{26}, 6^{11}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{29}, 6^{11}\})$	366503875926
6	$\mathcal{O}(0; \{2^{38}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{34}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{30}, 3^6, 6^{12}\})$	87382
6	$\mathcal{O}(0; \{2^{26}, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^{15}, 6^{12}\})$	44739242

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{14}, 3^{18}, 6^{12}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{21}, 6^{12}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{24}, 6^{12}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{27}, 6^{12}\})$	183251937962
6	$\mathcal{O}(0; \{2^{35}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{31}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^{27}, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^{23}, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^{13}, 6^{13}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^{16}, 6^{13}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{19}, 6^{13}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{22}, 6^{13}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{25}, 6^{13}\})$	91625968982
6	$\mathcal{O}(0; \{2^{32}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^{28}, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^{24}, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^{14}, 6^{14}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^{17}, 6^{14}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{20}, 6^{14}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{23}, 6^{14}\})$	45812984490
6	$\mathcal{O}(0; \{3^{26}, 6^{14}\})$	366503875926
6	$\mathcal{O}(0; \{2^{33}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{29}, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^{25}, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^{21}, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^{12}, 6^{15}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^{15}, 6^{15}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{18}, 6^{15}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{21}, 6^{15}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{24}, 6^{15}\})$	183251937962
6	$\mathcal{O}(0; \{2^{30}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^{26}, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^{22}, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^{18}, 3^{10}, 6^{16}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^{13}, 6^{16}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^{16}, 6^{16}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{19}, 6^{16}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{22}, 6^{16}\})$	91625968982
6	$\mathcal{O}(0; \{2^{27}, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^{23}, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^{19}, 3^8, 6^{17}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^{11}, 6^{17}\})$	89478486

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{11}, 3^{14}, 6^{17}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^{17}, 6^{17}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{20}, 6^{17}\})$	45812984490
6	$\mathcal{O}(0; \{2^{28}, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{24}, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^{20}, 3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^9, 6^{18}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^{12}, 6^{18}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^{15}, 6^{18}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{18}, 6^{18}\})$	22906492246
6	$\mathcal{O}(0; \{3^{21}, 6^{18}\})$	183251937962
6	$\mathcal{O}(0; \{2^{25}, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2^{21}, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2^{17}, 3^7, 6^{19}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6^{19}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^{13}, 6^{19}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^{16}, 6^{19}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{19}, 6^{19}\})$	91625968982
6	$\mathcal{O}(0; \{2^{22}, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2^{18}, 3^5, 6^{20}\})$	11184810
6	$\mathcal{O}(0; \{2^{14}, 3^8, 6^{20}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^{20}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^{14}, 6^{20}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^{17}, 6^{20}\})$	45812984490
6	$\mathcal{O}(0; \{2^{23}, 6^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{19}, 3^3, 6^{21}\})$	5592406
6	$\mathcal{O}(0; \{2^{15}, 3^6, 6^{21}\})$	44739242
6	$\mathcal{O}(0; \{2^{11}, 3^9, 6^{21}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^{12}, 6^{21}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^{15}, 6^{21}\})$	22906492246
6	$\mathcal{O}(0; \{2^{20}, 3, 6^{22}\})$	2796202
6	$\mathcal{O}(0; \{2^{16}, 3^4, 6^{22}\})$	22369622
6	$\mathcal{O}(0; \{2^{12}, 3^7, 6^{22}\})$	178956970
6	$\mathcal{O}(0; \{2^8, 3^{10}, 6^{22}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^{13}, 6^{22}\})$	11453246122
6	$\mathcal{O}(0; \{3^{16}, 6^{22}\})$	91625968982
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6^{23}\})$	11184810
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6^{23}\})$	89478486
6	$\mathcal{O}(0; \{2^9, 3^8, 6^{23}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6^{23}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^{14}, 6^{23}\})$	45812984490
6	$\mathcal{O}(0; \{2^{18}, 6^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^{24}\})$	44739242

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^{24}\})$	357913942
6	$\mathcal{O}(0; \{2^6, 3^9, 6^{24}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^{24}\})$	22906492246
6	$\mathcal{O}(0; \{2^{15}, 3, 6^{25}\})$	22369622
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^{25}\})$	178956970
6	$\mathcal{O}(0; \{2^7, 3^7, 6^{25}\})$	1431655766
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^{25}\})$	11453246122
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{26}\})$	89478486
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{26}\})$	715827882
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{26}\})$	5726623062
6	$\mathcal{O}(0; \{3^{11}, 6^{26}\})$	45812984490
6	$\mathcal{O}(0; \{2^{13}, 6^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{27}\})$	357913942
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{27}\})$	2863311530
6	$\mathcal{O}(0; \{2, 3^9, 6^{27}\})$	22906492246
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{28}\})$	178956970
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{28}\})$	1431655766
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{28}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{29}\})$	715827882
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{29}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 6^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{30}\})$	2863311530
6	$\mathcal{O}(0; \{3^6, 6^{30}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3, 6^{31}\})$	1431655766
6	$\mathcal{O}(0; \{2, 3^4, 6^{31}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{32}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 6^{33}\})$	2863311530
6	$\mathcal{O}(0; \{3, 6^{34}\})$	11453246122
7	$\mathcal{O}(10; \{7^6\})$	531895247139881598666
7	$\mathcal{O}(7; \{7^{13}\})$	1265437717857532562070
7	$\mathcal{O}(4; \{7^{20}\})$	3011003690204788385226
7	$\mathcal{O}(1; \{7^{27}\})$	7164432583542284746710
8	$\mathcal{O}(10; \{2, 8^2\})$	4611686018427387904
8	$\mathcal{O}(9; \{2^5, 8^2\})$	72057594037927936
8	$\mathcal{O}(9; \{2^2, 4^2, 8^2\})$	288230376151711744
8	$\mathcal{O}(9; \{4, 8^4\})$	2305843009213693952
8	$\mathcal{O}(8; \{2^9, 8^2\})$	1125899906842624
8	$\mathcal{O}(8; \{2^6, 4^2, 8^2\})$	4503599627370496
8	$\mathcal{O}(8; \{2^3, 4^4, 8^2\})$	18014398509481984
8	$\mathcal{O}(8; \{4^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(8; \{2^4, 4, 8^4\})$	36028797018963968
8	$\mathcal{O}(8; \{2, 4^3, 8^4\})$	144115188075855872
8	$\mathcal{O}(8; \{2^2, 8^6\})$	288230376151711744

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^{13}, 8^2\})$	17592186044416
8	$\mathcal{O}(7; \{2^{10}, 4^2, 8^2\})$	70368744177664
8	$\mathcal{O}(7; \{2^7, 4^4, 8^2\})$	281474976710656
8	$\mathcal{O}(7; \{2^4, 4^6, 8^2\})$	112589906842624
8	$\mathcal{O}(7; \{2, 4^8, 8^2\})$	4503599627370496
8	$\mathcal{O}(7; \{2^8, 4, 8^4\})$	562949953421312
8	$\mathcal{O}(7; \{2^5, 4^3, 8^4\})$	2251799813685248
8	$\mathcal{O}(7; \{2^2, 4^5, 8^4\})$	9007199254740992
8	$\mathcal{O}(7; \{2^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(7; \{2^3, 4^2, 8^6\})$	18014398509481984
8	$\mathcal{O}(7; \{4^4, 8^6\})$	72057594037927936
8	$\mathcal{O}(7; \{2, 4, 8^8\})$	144115188075855872
8	$\mathcal{O}(6; \{2^{17}, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^{14}, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{2^{11}, 4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2^8, 4^6, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^5, 4^8, 8^2\})$	70368744177664
8	$\mathcal{O}(6; \{2^2, 4^{10}, 8^2\})$	281474976710656
8	$\mathcal{O}(6; \{2^{12}, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(6; \{2^9, 4^3, 8^4\})$	35184372088832
8	$\mathcal{O}(6; \{2^6, 4^5, 8^4\})$	140737488355328
8	$\mathcal{O}(6; \{2^3, 4^7, 8^4\})$	562949953421312
8	$\mathcal{O}(6; \{4^9, 8^4\})$	2251799813685248
8	$\mathcal{O}(6; \{2^{10}, 8^6\})$	70368744177664
8	$\mathcal{O}(6; \{2^7, 4^2, 8^6\})$	281474976710656
8	$\mathcal{O}(6; \{2^4, 4^4, 8^6\})$	112589906842624
8	$\mathcal{O}(6; \{2, 4^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(6; \{2^5, 4, 8^8\})$	2251799813685248
8	$\mathcal{O}(6; \{2^2, 4^3, 8^8\})$	9007199254740992
8	$\mathcal{O}(6; \{2^3, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(6; \{4^2, 8^{10}\})$	72057594037927936
8	$\mathcal{O}(5; \{2^{21}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^{18}, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^{15}, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^{12}, 4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^9, 4^8, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^6, 4^{10}, 8^2\})$	4398046511104
8	$\mathcal{O}(5; \{2^3, 4^{12}, 8^2\})$	17592186044416
8	$\mathcal{O}(5; \{4^{14}, 8^2\})$	70368744177664
8	$\mathcal{O}(5; \{2^{16}, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^{13}, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^{10}, 4^5, 8^4\})$	2199023255552
8	$\mathcal{O}(5; \{2^7, 4^7, 8^4\})$	8796093022208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^4, 4^9, 8^4\})$	35184372088832
8	$\mathcal{O}(5; \{2, 4^{11}, 8^4\})$	140737488355328
8	$\mathcal{O}(5; \{2^{14}, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{2^{11}, 4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(5; \{2^8, 4^4, 8^6\})$	17592186044416
8	$\mathcal{O}(5; \{2^5, 4^6, 8^6\})$	70368744177664
8	$\mathcal{O}(5; \{2^2, 4^8, 8^6\})$	281474976710656
8	$\mathcal{O}(5; \{2^9, 4, 8^8\})$	35184372088832
8	$\mathcal{O}(5; \{2^6, 4^3, 8^8\})$	140737488355328
8	$\mathcal{O}(5; \{2^3, 4^5, 8^8\})$	562949953421312
8	$\mathcal{O}(5; \{4^7, 8^8\})$	2251799813685248
8	$\mathcal{O}(5; \{2^7, 8^{10}\})$	281474976710656
8	$\mathcal{O}(5; \{2^4, 4^2, 8^{10}\})$	112589906842624
8	$\mathcal{O}(5; \{2, 4^4, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^2, 4, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(5; \{8^{14}\})$	72057594037927936
8	$\mathcal{O}(4; \{2^{25}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{22}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^{19}, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^{16}, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^{13}, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^{10}, 4^{10}, 8^2\})$	68719476736
8	$\mathcal{O}(4; \{2^7, 4^{12}, 8^2\})$	274877906944
8	$\mathcal{O}(4; \{2^4, 4^{14}, 8^2\})$	1099511627776
8	$\mathcal{O}(4; \{2, 4^{16}, 8^2\})$	4398046511104
8	$\mathcal{O}(4; \{2^{20}, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^{17}, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^{14}, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^{11}, 4^7, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^8, 4^9, 8^4\})$	549755813888
8	$\mathcal{O}(4; \{2^5, 4^{11}, 8^4\})$	219902325552
8	$\mathcal{O}(4; \{2^2, 4^{13}, 8^4\})$	8796093022208
8	$\mathcal{O}(4; \{2^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^{15}, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2^{12}, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^9, 4^6, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^6, 4^8, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^3, 4^{10}, 8^6\})$	17592186044416
8	$\mathcal{O}(4; \{4^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(4; \{2^{13}, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{2^{10}, 4^3, 8^8\})$	219902325552
8	$\mathcal{O}(4; \{2^7, 4^5, 8^8\})$	8796093022208
8	$\mathcal{O}(4; \{2^4, 4^7, 8^8\})$	35184372088832

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2, 4^9, 8^8\})$	140737488355328
8	$\mathcal{O}(4; \{2^{11}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(4; \{2^8, 4^2, 8^{10}\})$	17592186044416
8	$\mathcal{O}(4; \{2^5, 4^4, 8^{10}\})$	70368744177664
8	$\mathcal{O}(4; \{2^2, 4^6, 8^{10}\})$	281474976710656
8	$\mathcal{O}(4; \{2^6, 4, 8^{12}\})$	140737488355328
8	$\mathcal{O}(4; \{2^3, 4^3, 8^{12}\})$	562949953421312
8	$\mathcal{O}(4; \{4^5, 8^{12}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^4, 8^{14}\})$	112589906842624
8	$\mathcal{O}(4; \{2, 4^2, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(3; \{2^{29}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{26}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{23}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^{20}, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^{17}, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^{14}, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{11}, 4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^8, 4^{14}, 8^2\})$	17179869184
8	$\mathcal{O}(3; \{2^5, 4^{16}, 8^2\})$	68719476736
8	$\mathcal{O}(3; \{2^2, 4^{18}, 8^2\})$	274877906944
8	$\mathcal{O}(3; \{2^{24}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^{21}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^{18}, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^{15}, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{2^{12}, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^9, 4^{11}, 8^4\})$	34359738368
8	$\mathcal{O}(3; \{2^6, 4^{13}, 8^4\})$	137438953472
8	$\mathcal{O}(3; \{2^3, 4^{15}, 8^4\})$	549755813888
8	$\mathcal{O}(3; \{4^{17}, 8^4\})$	2199023255552
8	$\mathcal{O}(3; \{2^{22}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^{19}, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^{16}, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^{13}, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{10}, 4^8, 8^6\})$	68719476736
8	$\mathcal{O}(3; \{2^7, 4^{10}, 8^6\})$	274877906944
8	$\mathcal{O}(3; \{2^4, 4^{12}, 8^6\})$	1099511627776
8	$\mathcal{O}(3; \{2, 4^{14}, 8^6\})$	4398046511104
8	$\mathcal{O}(3; \{2^{17}, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^{14}, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^{11}, 4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^8, 4^7, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^5, 4^9, 8^8\})$	2199023255552
8	$\mathcal{O}(3; \{2^2, 4^{11}, 8^8\})$	8796093022208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{15}, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2^{12}, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(3; \{2^9, 4^4, 8^{10}\})$	1099511627776
8	$\mathcal{O}(3; \{2^6, 4^6, 8^{10}\})$	4398046511104
8	$\mathcal{O}(3; \{2^3, 4^8, 8^{10}\})$	17592186044416
8	$\mathcal{O}(3; \{4^{10}, 8^{10}\})$	70368744177664
8	$\mathcal{O}(3; \{2^{10}, 4, 8^{12}\})$	2199023255552
8	$\mathcal{O}(3; \{2^7, 4^3, 8^{12}\})$	8796093022208
8	$\mathcal{O}(3; \{2^4, 4^5, 8^{12}\})$	35184372088832
8	$\mathcal{O}(3; \{2, 4^7, 8^{12}\})$	140737488355328
8	$\mathcal{O}(3; \{2^8, 8^{14}\})$	17592186044416
8	$\mathcal{O}(3; \{2^5, 4^2, 8^{14}\})$	70368744177664
8	$\mathcal{O}(3; \{2^2, 4^4, 8^{14}\})$	281474976710656
8	$\mathcal{O}(3; \{2^3, 4, 8^{16}\})$	562949953421312
8	$\mathcal{O}(3; \{4^3, 8^{16}\})$	2251799813685248
8	$\mathcal{O}(3; \{2, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(2; \{2^{33}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{30}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{27}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{24}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{21}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^{18}, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{15}, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2^{12}, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^9, 4^{16}, 8^2\})$	1073741824
8	$\mathcal{O}(2; \{2^6, 4^{18}, 8^2\})$	4294967296
8	$\mathcal{O}(2; \{2^3, 4^{20}, 8^2\})$	17179869184
8	$\mathcal{O}(2; \{4^{22}, 8^2\})$	68719476736
8	$\mathcal{O}(2; \{2^{28}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{25}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{22}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^{19}, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^{16}, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{13}, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{10}, 4^{13}, 8^4\})$	2147483648
8	$\mathcal{O}(2; \{2^7, 4^{15}, 8^4\})$	8589934592
8	$\mathcal{O}(2; \{2^4, 4^{17}, 8^4\})$	34359738368
8	$\mathcal{O}(2; \{2, 4^{19}, 8^4\})$	137438953472
8	$\mathcal{O}(2; \{2^{26}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{23}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^{20}, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^{17}, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^{14}, 4^8, 8^6\})$	1073741824

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{11}, 4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^8, 4^{12}, 8^6\})$	17179869184
8	$\mathcal{O}(2; \{2^5, 4^{14}, 8^6\})$	68719476736
8	$\mathcal{O}(2; \{2^2, 4^{16}, 8^6\})$	274877906944
8	$\mathcal{O}(2; \{2^{21}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^{18}, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^{15}, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^{12}, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^9, 4^9, 8^8\})$	34359738368
8	$\mathcal{O}(2; \{2^6, 4^{11}, 8^8\})$	137438953472
8	$\mathcal{O}(2; \{2^3, 4^{13}, 8^8\})$	549755813888
8	$\mathcal{O}(2; \{4^{15}, 8^8\})$	2199023255552
8	$\mathcal{O}(2; \{2^{19}, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^{16}, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^{13}, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^{10}, 4^6, 8^{10}\})$	68719476736
8	$\mathcal{O}(2; \{2^7, 4^8, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^4, 4^{10}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(2; \{2, 4^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(2; \{2^{14}, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{2^{11}, 4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2^8, 4^5, 8^{12}\})$	549755813888
8	$\mathcal{O}(2; \{2^5, 4^7, 8^{12}\})$	2199023255552
8	$\mathcal{O}(2; \{2^2, 4^9, 8^{12}\})$	8796093022208
8	$\mathcal{O}(2; \{2^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(2; \{2^9, 4^2, 8^{14}\})$	1099511627776
8	$\mathcal{O}(2; \{2^6, 4^4, 8^{14}\})$	4398046511104
8	$\mathcal{O}(2; \{2^3, 4^6, 8^{14}\})$	17592186044416
8	$\mathcal{O}(2; \{4^8, 8^{14}\})$	70368744177664
8	$\mathcal{O}(2; \{2^7, 4, 8^{16}\})$	8796093022208
8	$\mathcal{O}(2; \{2^4, 4^3, 8^{16}\})$	35184372088832
8	$\mathcal{O}(2; \{2, 4^5, 8^{16}\})$	140737488355328
8	$\mathcal{O}(2; \{2^5, 8^{18}\})$	70368744177664
8	$\mathcal{O}(2; \{2^2, 4^2, 8^{18}\})$	281474976710656
8	$\mathcal{O}(2; \{4, 8^{20}\})$	2251799813685248
8	$\mathcal{O}(1; \{2^{37}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{34}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{31}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{28}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{25}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{22}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^{19}, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^{16}, 4^{14}, 8^2\})$	4194304

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{13}, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{10}, 4^{18}, 8^2\})$	67108864
8	$\mathcal{O}(1; \{2^7, 4^{20}, 8^2\})$	268435456
8	$\mathcal{O}(1; \{2^4, 4^{22}, 8^2\})$	1073741824
8	$\mathcal{O}(1; \{2, 4^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(1; \{2^{32}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{29}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{26}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{23}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^{20}, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^{17}, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{14}, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{11}, 4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^8, 4^{17}, 8^4\})$	536870912
8	$\mathcal{O}(1; \{2^5, 4^{19}, 8^4\})$	2147483648
8	$\mathcal{O}(1; \{2^2, 4^{21}, 8^4\})$	8589934592
8	$\mathcal{O}(1; \{2^{30}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{27}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{24}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{21}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{18}, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^{15}, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{12}, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^9, 4^{14}, 8^6\})$	1073741824
8	$\mathcal{O}(1; \{2^6, 4^{16}, 8^6\})$	4294967296
8	$\mathcal{O}(1; \{2^3, 4^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(1; \{4^{20}, 8^6\})$	68719476736
8	$\mathcal{O}(1; \{2^{25}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{22}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^{19}, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^{16}, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^{13}, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{10}, 4^{11}, 8^8\})$	2147483648
8	$\mathcal{O}(1; \{2^7, 4^{13}, 8^8\})$	8589934592
8	$\mathcal{O}(1; \{2^4, 4^{15}, 8^8\})$	34359738368
8	$\mathcal{O}(1; \{2, 4^{17}, 8^8\})$	137438953472
8	$\mathcal{O}(1; \{2^{23}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^{20}, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^{17}, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^{14}, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{11}, 4^8, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^8, 4^{10}, 8^{10}\})$	17179869184
8	$\mathcal{O}(1; \{2^5, 4^{12}, 8^{10}\})$	68719476736

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^2, 4^{14}, 8^{10}\})$	274877906944
8	$\mathcal{O}(1; \{2^{18}, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^{15}, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^{12}, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^9, 4^7, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^6, 4^9, 8^{12}\})$	137438953472
8	$\mathcal{O}(1; \{2^3, 4^{11}, 8^{12}\})$	549755813888
8	$\mathcal{O}(1; \{4^{13}, 8^{12}\})$	2199023255552
8	$\mathcal{O}(1; \{2^{16}, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^{13}, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{2^{10}, 4^4, 8^{14}\})$	68719476736
8	$\mathcal{O}(1; \{2^7, 4^6, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^4, 4^8, 8^{14}\})$	1099511627776
8	$\mathcal{O}(1; \{2, 4^{10}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(1; \{2^{11}, 4, 8^{16}\})$	137438953472
8	$\mathcal{O}(1; \{2^8, 4^3, 8^{16}\})$	549755813888
8	$\mathcal{O}(1; \{2^5, 4^5, 8^{16}\})$	2199023255552
8	$\mathcal{O}(1; \{2^2, 4^7, 8^{16}\})$	8796093022208
8	$\mathcal{O}(1; \{2^9, 8^{18}\})$	1099511627776
8	$\mathcal{O}(1; \{2^6, 4^2, 8^{18}\})$	4398046511104
8	$\mathcal{O}(1; \{2^3, 4^4, 8^{18}\})$	17592186044416
8	$\mathcal{O}(1; \{4^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(1; \{2^4, 4, 8^{20}\})$	35184372088832
8	$\mathcal{O}(1; \{2, 4^3, 8^{20}\})$	140737488355328
8	$\mathcal{O}(1; \{2^2, 8^{22}\})$	281474976710656
8	$\mathcal{O}(0; \{2^{41}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{38}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{35}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{32}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{29}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{26}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{23}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^{20}, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{17}, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{14}, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{11}, 4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^8, 4^{22}, 8^2\})$	16777216
8	$\mathcal{O}(0; \{2^5, 4^{24}, 8^2\})$	67108864
8	$\mathcal{O}(0; \{2^2, 4^{26}, 8^2\})$	268435456
8	$\mathcal{O}(0; \{2^{36}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{33}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{30}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{27}, 4^7, 8^4\})$	8192

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{24}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{21}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{18}, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{15}, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{12}, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^9, 4^{19}, 8^4\})$	33554432
8	$\mathcal{O}(0; \{2^6, 4^{21}, 8^4\})$	134217728
8	$\mathcal{O}(0; \{2^3, 4^{23}, 8^4\})$	536870912
8	$\mathcal{O}(0; \{4^{25}, 8^4\})$	2147483648
8	$\mathcal{O}(0; \{2^{34}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{31}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{28}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{25}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{22}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{19}, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{16}, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{13}, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{10}, 4^{16}, 8^6\})$	67108864
8	$\mathcal{O}(0; \{2^7, 4^{18}, 8^6\})$	268435456
8	$\mathcal{O}(0; \{2^4, 4^{20}, 8^6\})$	1073741824
8	$\mathcal{O}(0; \{2, 4^{22}, 8^6\})$	4294967296
8	$\mathcal{O}(0; \{2^{29}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{26}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{23}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^{20}, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^{17}, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{14}, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{11}, 4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^8, 4^{15}, 8^8\})$	536870912
8	$\mathcal{O}(0; \{2^5, 4^{17}, 8^8\})$	2147483648
8	$\mathcal{O}(0; \{2^2, 4^{19}, 8^8\})$	8589934592
8	$\mathcal{O}(0; \{2^{27}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{24}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{21}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^{18}, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^{15}, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{12}, 4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^9, 4^{12}, 8^{10}\})$	1073741824
8	$\mathcal{O}(0; \{2^6, 4^{14}, 8^{10}\})$	4294967296
8	$\mathcal{O}(0; \{2^3, 4^{16}, 8^{10}\})$	17179869184
8	$\mathcal{O}(0; \{4^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(0; \{2^{22}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^{19}, 4^3, 8^{12}\})$	33554432

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{16}, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^{13}, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^{10}, 4^9, 8^{12}\})$	2147483648
8	$\mathcal{O}(0; \{2^7, 4^{11}, 8^{12}\})$	8589934592
8	$\mathcal{O}(0; \{2^4, 4^{13}, 8^{12}\})$	34359738368
8	$\mathcal{O}(0; \{2, 4^{15}, 8^{12}\})$	137438953472
8	$\mathcal{O}(0; \{2^{20}, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^{17}, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^{14}, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^{11}, 4^6, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^8, 4^8, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^5, 4^{10}, 8^{14}\})$	68719476736
8	$\mathcal{O}(0; \{2^2, 4^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(0; \{2^{15}, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2^{12}, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^9, 4^5, 8^{16}\})$	34359738368
8	$\mathcal{O}(0; \{2^6, 4^7, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^3, 4^9, 8^{16}\})$	549755813888
8	$\mathcal{O}(0; \{4^{11}, 8^{16}\})$	219002325552
8	$\mathcal{O}(0; \{2^{13}, 8^{18}\})$	17179869184
8	$\mathcal{O}(0; \{2^{10}, 4^2, 8^{18}\})$	68719476736
8	$\mathcal{O}(0; \{2^7, 4^4, 8^{18}\})$	274877906944
8	$\mathcal{O}(0; \{2^4, 4^6, 8^{18}\})$	1099511627776
8	$\mathcal{O}(0; \{2, 4^8, 8^{18}\})$	4398046511104
8	$\mathcal{O}(0; \{2^8, 4, 8^{20}\})$	549755813888
8	$\mathcal{O}(0; \{2^5, 4^3, 8^{20}\})$	219002325552
8	$\mathcal{O}(0; \{2^2, 4^5, 8^{20}\})$	8796093022208
8	$\mathcal{O}(0; \{2^6, 8^{22}\})$	4398046511104
8	$\mathcal{O}(0; \{2^3, 4^2, 8^{22}\})$	17592186044416
8	$\mathcal{O}(0; \{4^4, 8^{22}\})$	70368744177664
8	$\mathcal{O}(0; \{2, 4, 8^{24}\})$	140737488355328
9	$\mathcal{O}(10; \emptyset)$	12157665455570144400
9	$\mathcal{O}(9; \{3^3\})$	300189269819157264
9	$\mathcal{O}(8; \{3^6\})$	40766443207712640
9	$\mathcal{O}(8; \{3^2, 9^3\})$	133417453597332552
9	$\mathcal{O}(7; \{3^9\})$	3889053904238640
9	$\mathcal{O}(7; \{3^5, 9^3\})$	13177032454057536
9	$\mathcal{O}(7; \{3, 9^6\})$	244598664928443012
9	$\mathcal{O}(6; \{3^{12}\})$	385798020884640
9	$\mathcal{O}(6; \{3^8, 9^3\})$	1301435304104448
9	$\mathcal{O}(6; \{3^4, 9^6\})$	24157892832438816
9	$\mathcal{O}(6; \{9^9\})$	315013432104812970
9	$\mathcal{O}(5; \{3^{15}\})$	38082014294544

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(5; \{3^{11}, 9^3\})$	128536820158464
9	$\mathcal{O}(5; \{3^7, 9^6\})$	2385964724191488
9	$\mathcal{O}(5; \{3^3, 9^9\})$	31112437738746960
9	$\mathcal{O}(4; \{3^{18}\})$	3760935261120
9	$\mathcal{O}(4; \{3^{14}, 9^3\})$	12694994583552
9	$\mathcal{O}(4; \{3^{10}, 9^6\})$	235650836957184
9	$\mathcal{O}(4; \{3^6, 9^9\})$	3072833356913280
9	$\mathcal{O}(4; \{3^2, 9^{12}\})$	41666264657968968
9	$\mathcal{O}(3; \{3^{21}\})$	370994223600
9	$\mathcal{O}(3; \{3^{17}, 9^3\})$	1253826625536
9	$\mathcal{O}(3; \{3^{13}, 9^6\})$	23274156736512
9	$\mathcal{O}(3; \{3^9, 9^9\})$	303489714263040
9	$\mathcal{O}(3; \{3^5, 9^{12}\})$	4115186632885824
9	$\mathcal{O}(3; \{3, 9^{15}\})$	55524517154018676
9	$\mathcal{O}(2; \{3^{24}\})$	36238790880
9	$\mathcal{O}(2; \{3^{20}, 9^3\})$	123834728448
9	$\mathcal{O}(2; \{3^{16}, 9^6\})$	2298682146816
9	$\mathcal{O}(2; \{3^{12}, 9^9\})$	29974292766720
9	$\mathcal{O}(2; \{3^8, 9^{12}\})$	406438185964032
9	$\mathcal{O}(2; \{3^4, 9^{15}\})$	5483902928791968
9	$\mathcal{O}(2; \{9^{18}\})$	74037773270348226
9	$\mathcal{O}(1; \{3^{27}\})$	3221225424
9	$\mathcal{O}(1; \{3^{23}, 9^3\})$	12230590464
9	$\mathcal{O}(1; \{3^{19}, 9^6\})$	227030335488
9	$\mathcal{O}(1; \{3^{15}, 9^9\})$	2960423976960
9	$\mathcal{O}(1; \{3^{11}, 9^{12}\})$	40142043058176
9	$\mathcal{O}(1; \{3^7, 9^{15}\})$	541620042349824
9	$\mathcal{O}(1; \{3^3, 9^{18}\})$	7312372668676368
9	$\mathcal{O}(0; \{3^{26}, 9^3\})$	1207959552
9	$\mathcal{O}(0; \{3^{22}, 9^6\})$	22422749184
9	$\mathcal{O}(0; \{3^{18}, 9^9\})$	292387553280
9	$\mathcal{O}(0; \{3^{14}, 9^{12}\})$	3964646227968
9	$\mathcal{O}(0; \{3^{10}, 9^{15}\})$	53493337516032
9	$\mathcal{O}(0; \{3^6, 9^{18}\})$	722209646289024
9	$\mathcal{O}(0; \{3^2, 9^{21}\})$	9749746542076200
10	$\mathcal{O}(8; \{2, 5, 10\})$	4000000000000000
10	$\mathcal{O}(7; \{2^2, 5^4\})$	5200000000000000
10	$\mathcal{O}(7; \{2^5, 5, 10\})$	4000000000000000
10	$\mathcal{O}(7; \{5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(7; \{2^3, 10^3\})$	1200000000000000
10	$\mathcal{O}(6; \{2^6, 5^4\})$	5200000000000000
10	$\mathcal{O}(6; \{2^9, 5, 10\})$	4000000000000000
10	$\mathcal{O}(6; \{2, 5^6, 10\})$	3276000000000000

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(6; \{2^4, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(6; \{2^7, 10^3\})$	1200000000000000
10	$\mathcal{O}(6; \{2^2, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(6; \{5, 10^6\})$	3276000000000000
10	$\mathcal{O}(5; \{2^{10}, 5^4\})$	5200000000000000
10	$\mathcal{O}(5; \{2^2, 5^9\})$	5242800000000000
10	$\mathcal{O}(5; \{2^{13}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(5; \{2^5, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(5; \{2^8, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(5; \{5^8, 10^2\})$	2097160000000000
10	$\mathcal{O}(5; \{2^{11}, 10^3\})$	1200000000000000
10	$\mathcal{O}(5; \{2^3, 5^5, 10^3\})$	1310800000000000
10	$\mathcal{O}(5; \{2^6, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(5; \{2, 5^4, 10^5\})$	5242800000000000
10	$\mathcal{O}(5; \{2^4, 5, 10^6\})$	3276000000000000
10	$\mathcal{O}(5; \{2^2, 10^8\})$	1310800000000000
10	$\mathcal{O}(4; \{2^{14}, 5^4\})$	5200000000000000
10	$\mathcal{O}(4; \{2^6, 5^9\})$	5242800000000000
10	$\mathcal{O}(4; \{2^{17}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(4; \{2^9, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(4; \{2, 5^{11}, 10\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{12}, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(4; \{2^4, 5^8, 10^2\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{15}, 10^3\})$	1200000000000000
10	$\mathcal{O}(4; \{2^7, 5^5, 10^3\})$	1310800000000000
10	$\mathcal{O}(4; \{2^{10}, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(4; \{2^2, 5^7, 10^4\})$	8388600000000000
10	$\mathcal{O}(4; \{2^5, 5^4, 10^5\})$	5242800000000000
10	$\mathcal{O}(4; \{2^8, 5, 10^6\})$	3276000000000000
10	$\mathcal{O}(4; \{5^6, 10^6\})$	3355444000000000
10	$\mathcal{O}(4; \{2^3, 5^3, 10^7\})$	2097160000000000
10	$\mathcal{O}(4; \{2^6, 10^8\})$	1310800000000000
10	$\mathcal{O}(4; \{2, 5^2, 10^9\})$	8388600000000000
10	$\mathcal{O}(3; \{2^{18}, 5^4\})$	5200000000000000
10	$\mathcal{O}(3; \{2^{10}, 5^9\})$	5242800000000000
10	$\mathcal{O}(3; \{2^2, 5^{14}\})$	5368709200000000
10	$\mathcal{O}(3; \{2^{21}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(3; \{2^{13}, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(3; \{2^5, 5^{11}, 10\})$	3355444000000000
10	$\mathcal{O}(3; \{2^{16}, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(3; \{2^8, 5^8, 10^2\})$	2097160000000000
10	$\mathcal{O}(3; \{5^{13}, 10^2\})$	2147483640000000
10	$\mathcal{O}(3; \{2^{19}, 10^3\})$	1200000000000000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^{11}, 5^5, 10^3\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5^{10}, 10^3\})$	13421772000000
10	$\mathcal{O}(3; \{2^{14}, 5^2, 10^4\})$	820000000
10	$\mathcal{O}(3; \{2^6, 5^7, 10^4\})$	838860000000
10	$\mathcal{O}(3; \{2^9, 5^4, 10^5\})$	52428000000
10	$\mathcal{O}(3; \{2, 5^9, 10^5\})$	53687092000000
10	$\mathcal{O}(3; \{2^{12}, 5, 10^6\})$	3276000000
10	$\mathcal{O}(3; \{2^4, 5^6, 10^6\})$	3355444000000
10	$\mathcal{O}(3; \{2^7, 5^3, 10^7\})$	209716000000
10	$\mathcal{O}(3; \{2^{10}, 10^8\})$	13108000000
10	$\mathcal{O}(3; \{2^2, 5^5, 10^8\})$	13421772000000
10	$\mathcal{O}(3; \{2^5, 5^2, 10^9\})$	838860000000
10	$\mathcal{O}(3; \{5^4, 10^{10}\})$	53687092000000
10	$\mathcal{O}(3; \{2^3, 5, 10^{11}\})$	3355444000000
10	$\mathcal{O}(3; \{2, 10^{13}\})$	13421772000000
10	$\mathcal{O}(2; \{2^{22}, 5^4\})$	520000
10	$\mathcal{O}(2; \{2^{14}, 5^9\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^{14}\})$	536870920000
10	$\mathcal{O}(2; \{2^{25}, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2^{17}, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^{11}, 10\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^{16}, 10\})$	34359738360000
10	$\mathcal{O}(2; \{2^{20}, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{2^{12}, 5^8, 10^2\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^{13}, 10^2\})$	2147483640000
10	$\mathcal{O}(2; \{2^{23}, 10^3\})$	120000
10	$\mathcal{O}(2; \{2^{15}, 5^5, 10^3\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^{10}, 10^3\})$	134217720000
10	$\mathcal{O}(2; \{2^{18}, 5^2, 10^4\})$	8200000
10	$\mathcal{O}(2; \{2^{10}, 5^7, 10^4\})$	8388600000
10	$\mathcal{O}(2; \{2^2, 5^{12}, 10^4\})$	8589934600000
10	$\mathcal{O}(2; \{2^{13}, 5^4, 10^5\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^9, 10^5\})$	536870920000
10	$\mathcal{O}(2; \{2^{16}, 5, 10^6\})$	32760000
10	$\mathcal{O}(2; \{2^8, 5^6, 10^6\})$	33554440000
10	$\mathcal{O}(2; \{5^{11}, 10^6\})$	34359738360000
10	$\mathcal{O}(2; \{2^{11}, 5^3, 10^7\})$	2097160000
10	$\mathcal{O}(2; \{2^3, 5^8, 10^7\})$	2147483640000
10	$\mathcal{O}(2; \{2^{14}, 10^8\})$	131080000
10	$\mathcal{O}(2; \{2^6, 5^5, 10^8\})$	134217720000
10	$\mathcal{O}(2; \{2^9, 5^2, 10^9\})$	8388600000
10	$\mathcal{O}(2; \{2, 5^7, 10^9\})$	8589934600000
10	$\mathcal{O}(2; \{2^4, 5^4, 10^{10}\})$	536870920000

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^7, 5, 10^{11}\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^3, 10^{12}\})$	2147483640000
10	$\mathcal{O}(2; \{2^5, 10^{13}\})$	134217720000
10	$\mathcal{O}(2; \{5^2, 10^{14}\})$	8589934600000
10	$\mathcal{O}(1; \{2^{26}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^{18}, 5^9\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^{14}\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^{19}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{29}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^{21}, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2^{13}, 5^{11}, 10\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^{16}, 10\})$	343597383600
10	$\mathcal{O}(1; \{2^{24}, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^{16}, 5^8, 10^2\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^{13}, 10^2\})$	21474836400
10	$\mathcal{O}(1; \{5^{18}, 10^2\})$	21990232555600
10	$\mathcal{O}(1; \{2^{27}, 10^3\})$	1200
10	$\mathcal{O}(1; \{2^{19}, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2^{11}, 5^{10}, 10^3\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^{15}, 10^3\})$	1374389534800
10	$\mathcal{O}(1; \{2^{22}, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{2^{14}, 5^7, 10^4\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^{12}, 10^4\})$	85899346000
10	$\mathcal{O}(1; \{2^{17}, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^9, 10^5\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^{14}, 10^5\})$	5497558138800
10	$\mathcal{O}(1; \{2^{20}, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{2^{12}, 5^6, 10^6\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^{11}, 10^6\})$	343597383600
10	$\mathcal{O}(1; \{2^{15}, 5^3, 10^7\})$	20971600
10	$\mathcal{O}(1; \{2^7, 5^8, 10^7\})$	21474836400
10	$\mathcal{O}(1; \{2^{18}, 10^8\})$	1310800
10	$\mathcal{O}(1; \{2^{10}, 5^5, 10^8\})$	1342177200
10	$\mathcal{O}(1; \{2^2, 5^{10}, 10^8\})$	1374389534800
10	$\mathcal{O}(1; \{2^{13}, 5^2, 10^9\})$	83886000
10	$\mathcal{O}(1; \{2^5, 5^7, 10^9\})$	85899346000
10	$\mathcal{O}(1; \{2^8, 5^4, 10^{10}\})$	5368709200
10	$\mathcal{O}(1; \{5^9, 10^{10}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{11}, 5, 10^{11}\})$	335544400
10	$\mathcal{O}(1; \{2^3, 5^6, 10^{11}\})$	343597383600
10	$\mathcal{O}(1; \{2^6, 5^3, 10^{12}\})$	21474836400
10	$\mathcal{O}(1; \{2^9, 10^{13}\})$	1342177200
10	$\mathcal{O}(1; \{2, 5^5, 10^{13}\})$	1374389534800

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^4, 5^2, 10^{14}\})$	85899346000
10	$\mathcal{O}(1; \{2^2, 5, 10^{16}\})$	343597383600
10	$\mathcal{O}(1; \{10^{18}\})$	1374389534800
10	$\mathcal{O}(0; \{2^{30}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^{22}, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^{14}, 5^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^{19}\})$	54975581388
10	$\mathcal{O}(0; \{2^{33}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^{25}, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^{17}, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^{16}, 10\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{21}, 10\})$	3518437208884
10	$\mathcal{O}(0; \{2^{28}, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^{20}, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^{13}, 10^2\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{18}, 10^2\})$	219902325556
10	$\mathcal{O}(0; \{2^{31}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^{23}, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^{15}, 5^{10}, 10^3\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^{15}, 10^3\})$	13743895348
10	$\mathcal{O}(0; \{2^{26}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^{18}, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^{12}, 10^4\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^{17}, 10^4\})$	879609302220
10	$\mathcal{O}(0; \{2^{21}, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2^{13}, 5^9, 10^5\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^{14}, 10^5\})$	54975581388
10	$\mathcal{O}(0; \{2^{24}, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{2^{16}, 5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^{11}, 10^6\})$	3435973836
10	$\mathcal{O}(0; \{5^{16}, 10^6\})$	3518437208884
10	$\mathcal{O}(0; \{2^{19}, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2^{11}, 5^8, 10^7\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^{13}, 10^7\})$	219902325556
10	$\mathcal{O}(0; \{2^{22}, 10^8\})$	13108
10	$\mathcal{O}(0; \{2^{14}, 5^5, 10^8\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5^{10}, 10^8\})$	13743895348
10	$\mathcal{O}(0; \{2^{17}, 5^2, 10^9\})$	838860
10	$\mathcal{O}(0; \{2^9, 5^7, 10^9\})$	858993460
10	$\mathcal{O}(0; \{2, 5^{12}, 10^9\})$	879609302220
10	$\mathcal{O}(0; \{2^{12}, 5^4, 10^{10}\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^9, 10^{10}\})$	54975581388
10	$\mathcal{O}(0; \{2^{15}, 5, 10^{11}\})$	3355444

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^6, 10^{11}\})$	3435973836
10	$\mathcal{O}(0; \{2^{10}, 5^3, 10^{12}\})$	214748364
10	$\mathcal{O}(0; \{2^2, 5^8, 10^{12}\})$	219902325556
10	$\mathcal{O}(0; \{2^{13}, 10^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^5, 5^5, 10^{13}\})$	13743895348
10	$\mathcal{O}(0; \{2^8, 5^2, 10^{14}\})$	858993460
10	$\mathcal{O}(0; \{5^7, 10^{14}\})$	879609302220
10	$\mathcal{O}(0; \{2^3, 5^4, 10^{15}\})$	54975581388
10	$\mathcal{O}(0; \{2^6, 5, 10^{16}\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^3, 10^{17}\})$	219902325556
10	$\mathcal{O}(0; \{2^4, 10^{18}\})$	13743895348
11	$\mathcal{O}(7; \{11^3\})$	34177485022491690
11	$\mathcal{O}(2; \{11^{14}\})$	133100000000013310
12	$\mathcal{O}(7; \{4^2\})$	2567836392226816
12	$\mathcal{O}(6; \{2^4, 4^2\})$	17832167342080
12	$\mathcal{O}(6; \{3^3, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 4^4\})$	71328669368320
12	$\mathcal{O}(6; \{2, 3, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^2, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 3, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{6^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{4, 12^3\})$	142657607172096
12	$\mathcal{O}(5; \{2^8, 4^2\})$	123832631296
12	$\mathcal{O}(5; \{2^4, 3^3, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{3^6, 4^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^5, 4^4\})$	495330525184
12	$\mathcal{O}(5; \{2, 3^3, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 4^6\})$	1981322100736
12	$\mathcal{O}(5; \{2^5, 3, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^4, 4^2, 6\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 3, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3^2, 4^2, 6^2\})$	743008370688
12	$\mathcal{O}(5; \{2^3, 4^2, 6^3\})$	247669456896
12	$\mathcal{O}(5; \{4^4, 6^3\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^2, 6^4\})$	1238347284480
12	$\mathcal{O}(5; \{2^5, 3^2, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^5, 4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 3^2, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{2^6, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^3, 4, 6, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{4^5, 6, 12\})$	3962711310336

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^3, 3, 4, 6^2, 12\})$	743008370688
12	$\mathcal{O}(5; \{3, 4^3, 6^2, 12\})$	2972033482752
12	$\mathcal{O}(5; \{3^2, 4, 6^3, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2, 4, 6^4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^6, 3, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^4, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 3, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3^2, 6, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^2, 4^2, 6, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^4, 6^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{3^3, 6^2, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2, 4^2, 6^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3, 6^3, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 4, 12^3\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2, 4^3, 12^3\})$	3962711310336
12	$\mathcal{O}(5; \{2, 3, 4, 6, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 6, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{12^6\})$	43589824413696
12	$\mathcal{O}(4; \{2^{12}, 4^2\})$	859832320
12	$\mathcal{O}(4; \{2^8, 3^3, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 3^6, 4^2\})$	18919194624
12	$\mathcal{O}(4; \{3^9, 4^2\})$	146193776640
12	$\mathcal{O}(4; \{2^9, 4^4\})$	3439329280
12	$\mathcal{O}(4; \{2^5, 3^3, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2, 3^6, 4^4\})$	75676778496
12	$\mathcal{O}(4; \{2^6, 4^6\})$	13757317120
12	$\mathcal{O}(4; \{2^2, 3^3, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{2^3, 4^8\})$	55029268480
12	$\mathcal{O}(4; \{4^{10}\})$	220117073920
12	$\mathcal{O}(4; \{2^9, 3, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^4, 4^2, 6\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^7, 4^2, 6\})$	73956851712
12	$\mathcal{O}(4; \{2^6, 3, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^4, 4^4, 6\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{3, 4^8, 6\})$	110075314176
12	$\mathcal{O}(4; \{2^6, 3^2, 4^2, 6^2\})$	5159780352
12	$\mathcal{O}(4; \{2^2, 3^5, 4^2, 6^2\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 3^2, 4^4, 6^2\})$	20639121408
12	$\mathcal{O}(4; \{3^2, 4^6, 6^2\})$	82556485632

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^7, 4^2, 6^3\})$	1719926784
12	$\mathcal{O}(4; \{2^3, 3^3, 4^2, 6^3\})$	18919194624
12	$\mathcal{O}(4; \{2^4, 4^4, 6^3\})$	6879707136
12	$\mathcal{O}(4; \{3^3, 4^4, 6^3\})$	75676778496
12	$\mathcal{O}(4; \{2, 4^6, 6^3\})$	27518828544
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 6^4\})$	8599633920
12	$\mathcal{O}(4; \{3^4, 4^2, 6^4\})$	73956851712
12	$\mathcal{O}(4; \{2, 3, 4^4, 6^4\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6^5\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 4^2, 6^6\})$	18919194624
12	$\mathcal{O}(4; \{2^9, 3^2, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^5, 4, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^8, 4, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 3^2, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^5, 4^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3^2, 4^5, 12\})$	27518828544
12	$\mathcal{O}(4; \{3^2, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^{10}, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^3, 4, 6, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^6, 4, 6, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^7, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^3, 4^3, 6, 12\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{3^3, 4^5, 6, 12\})$	137594142720
12	$\mathcal{O}(4; \{2, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3, 4, 6^2, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^4, 4, 6^2, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3, 4^3, 6^2, 12\})$	20639121408
12	$\mathcal{O}(4; \{3^4, 4^3, 6^2, 12\})$	144473849856
12	$\mathcal{O}(4; \{2, 3, 4^5, 6^2, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^4, 3^2, 4, 6^3, 12\})$	18919194624
12	$\mathcal{O}(4; \{3^5, 4, 6^3, 12\})$	146193776640
12	$\mathcal{O}(4; \{2, 3^2, 4^3, 6^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^5, 4, 6^4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^3, 4, 6^4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 4^3, 6^4, 12\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3, 4, 6^5, 12\})$	36118462464
12	$\mathcal{O}(4; \{4, 6^7, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^{10}, 3, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^4, 4^2, 12^2\})$	75676778496

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{3^4, 4^4, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2, 3, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3^2, 6, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^5, 6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 3^2, 4^2, 6, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{3^5, 4^2, 6, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2, 3^2, 4^4, 6, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^8, 6^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^3, 6^2, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{3^6, 6^2, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 4^2, 6^2, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 6^2, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 4^4, 6^2, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{2^5, 3, 6^3, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^4, 6^3, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6^3, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^2, 6^4, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 6^5, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{4^2, 6^5, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3, 6^6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 4, 12^3\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{3^6, 4, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 4^3, 12^3\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 4^5, 12^3\})$	110075314176
12	$\mathcal{O}(4; \{2^5, 3, 4, 6, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^4, 4, 6, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3, 4^3, 6, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 6^2, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 4, 6^3, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{4^3, 6^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{3, 4, 6^4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 3^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{2^6, 6, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^3, 6, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 4^2, 6, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{4^4, 6, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{2^3, 3, 6^2, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3, 4^2, 6^2, 12^4\})$	577895399424

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3^2, 6^3, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2, 6^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3, 4, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{3, 4^3, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{3^2, 4, 6, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2, 4, 6^2, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{2^4, 12^6\})$	302707113984
12	$\mathcal{O}(4; \{3^3, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2, 4^2, 12^6\})$	1210828455936
12	$\mathcal{O}(4; \{2, 3, 6, 12^6\})$	1183309627392
12	$\mathcal{O}(3; \{2^{16}, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^{12}, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^8, 3^6, 4^2\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^9, 4^2\})$	1015234560
12	$\mathcal{O}(3; \{3^{12}, 4^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{13}, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2^9, 3^3, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^6, 4^4\})$	525533184
12	$\mathcal{O}(3; \{2, 3^9, 4^4\})$	4060938240
12	$\mathcal{O}(3; \{2^{10}, 4^6\})$	95420416
12	$\mathcal{O}(3; \{2^6, 3^3, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^2, 3^6, 4^6\})$	2102132736
12	$\mathcal{O}(3; \{2^7, 4^8\})$	381681664
12	$\mathcal{O}(3; \{2^3, 3^3, 4^8\})$	764411904
12	$\mathcal{O}(3; \{2^4, 4^{10}\})$	1526726656
12	$\mathcal{O}(3; \{3^3, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{2, 4^{12}\})$	6106906624
12	$\mathcal{O}(3; \{2^{13}, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^4, 4^2, 6\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^7, 4^2, 6\})$	513589248
12	$\mathcal{O}(3; \{2, 3^{10}, 4^2, 6\})$	4072882176
12	$\mathcal{O}(3; \{2^{10}, 3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^4, 4^4, 6\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^7, 4^4, 6\})$	2054356992
12	$\mathcal{O}(3; \{2^7, 3, 4^6, 6\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^4, 4^6, 6\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{3^4, 4^8, 6\})$	3822059520
12	$\mathcal{O}(3; \{2, 3, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2^6, 3^5, 4^2, 6^2\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^8, 4^2, 6^2\})$	2042413056
12	$\mathcal{O}(3; \{2^7, 3^2, 4^4, 6^2\})$	143327232

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3^5, 4^4, 6^2\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^2, 4^6, 6^2\})$	573308928
12	$\mathcal{O}(3; \{3^5, 4^6, 6^2\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^2, 4^8, 6^2\})$	2293235712
12	$\mathcal{O}(3; \{2^{11}, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{2^7, 3^3, 4^2, 6^3\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^6, 4^2, 6^3\})$	1015234560
12	$\mathcal{O}(3; \{2^8, 4^4, 6^3\})$	47775744
12	$\mathcal{O}(3; \{2^4, 3^3, 4^4, 6^3\})$	525533184
12	$\mathcal{O}(3; \{3^6, 4^4, 6^3\})$	4060938240
12	$\mathcal{O}(3; \{2^5, 4^6, 6^3\})$	191102976
12	$\mathcal{O}(3; \{2, 3^3, 4^6, 6^3\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 4^8, 6^3\})$	764411904
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 6^4\})$	59719680
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 6^4\})$	513589248
12	$\mathcal{O}(3; \{3^7, 4^2, 6^4\})$	4072882176
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 6^4\})$	238878720
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 6^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 6^4\})$	955514880
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6^5\})$	250822656
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6^5\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6^5\})$	1003290624
12	$\mathcal{O}(3; \{2^6, 4^2, 6^6\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^6\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 4^4, 6^6\})$	525533184
12	$\mathcal{O}(3; \{4^6, 6^6\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^7\})$	513589248
12	$\mathcal{O}(3; \{3, 4^4, 6^7\})$	2054356992
12	$\mathcal{O}(3; \{3^2, 4^2, 6^8\})$	2042413056
12	$\mathcal{O}(3; \{2, 4^2, 6^9\})$	1015234560
12	$\mathcal{O}(3; \{2^{13}, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^5, 4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^8, 4, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^{11}, 4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^5, 4^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^8, 4^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 3^2, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^5, 4^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^2, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{3^5, 4^7, 12\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^2, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{14}, 4, 6, 12\})$	11943936

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4, 6, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^6, 4, 6, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^9, 4, 6, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^3, 4^3, 6, 12\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^6, 4^3, 6, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^8, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^3, 4^5, 6, 12\})$	955514880
12	$\mathcal{O}(3; \{3^6, 4^5, 6, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{2, 3^3, 4^7, 6, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^4, 4, 6^2, 12\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^7, 4, 6^2, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3, 4^3, 6^2, 12\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^4, 4^3, 6^2, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^7, 4^3, 6^2, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3, 4^5, 6^2, 12\})$	573308928
12	$\mathcal{O}(3; \{2, 3^4, 4^5, 6^2, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3, 4^7, 6^2, 12\})$	2293235712
12	$\mathcal{O}(3; \{2^8, 3^2, 4, 6^3, 12\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^5, 4, 6^3, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^8, 4, 6^3, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 3^2, 4^3, 6^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2, 3^5, 4^3, 6^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^2, 4^5, 6^3, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^9, 4, 6^4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 6^4, 12\})$	513589248
12	$\mathcal{O}(3; \{2, 3^6, 4, 6^4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^6, 4^3, 6^4, 12\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 6^4, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 4^5, 6^4, 12\})$	955514880
12	$\mathcal{O}(3; \{4^7, 6^4, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^6, 3, 4, 6^5, 12\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6^5, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6^5, 12\})$	1003290624
12	$\mathcal{O}(3; \{3, 4^5, 6^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^6, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^2, 4^3, 6^6, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 4, 6^7, 12\})$	513589248
12	$\mathcal{O}(3; \{3^3, 4, 6^7, 12\})$	4072882176
12	$\mathcal{O}(3; \{2, 4^3, 6^7, 12\})$	2054356992

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3, 4, 6^8, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^{14}, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^{10}, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^4, 4^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^7, 4^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 3, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^4, 4^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^7, 4^4, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 3, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2, 3^4, 4^6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^5, 6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^8, 6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 3^2, 4^2, 6, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^5, 4^2, 6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^8, 4^2, 6, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 3^2, 4^4, 6, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2, 3^5, 4^4, 6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^2, 4^6, 6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^{12}, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^3, 6^2, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^6, 6^2, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^9, 6^2, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 4^2, 6^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 6^2, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 6^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 4^4, 6^2, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 6^2, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 4^6, 6^2, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{4^8, 6^2, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^9, 3, 6^3, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^4, 6^3, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^7, 6^3, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6^3, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6^3, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6^3, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3, 4^6, 6^3, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 3^2, 6^4, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^5, 6^4, 12^2\})$	4072882176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^4, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^2, 4^4, 6^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 6^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^3, 6^5, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 4^2, 6^5, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{3^3, 4^2, 6^5, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2, 4^4, 6^5, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3, 6^6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{3^4, 6^6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^2, 6^7, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 6^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^{12}, 4, 12^3\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^6, 4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^9, 4, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 4^3, 12^3\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^6, 4^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 4^5, 12^3\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^5, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 4^7, 12^3\})$	3057647616
12	$\mathcal{O}(3; \{4^9, 12^3\})$	12230590464
12	$\mathcal{O}(3; \{2^9, 3, 4, 6, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^4, 4, 6, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^7, 4, 6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 3, 4^3, 6, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^4, 4^3, 6, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3, 4^5, 6, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{3, 4^7, 6, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 6^2, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 6^2, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 6^2, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^2, 4^5, 6^2, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^7, 4, 6^3, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6^3, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 4^3, 6^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{3^3, 4^3, 6^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2, 4^5, 6^3, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{3^4, 4, 6^4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^4, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^5, 12^3\})$	8169652224

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 4, 6^6, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2^9, 3^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^8, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{3^2, 4^6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^{10}, 6, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^3, 6, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^6, 6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 4^2, 6, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 4^4, 6, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{3^3, 4^4, 6, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2, 4^6, 6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{2^7, 3, 6^2, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^4, 6^2, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{3^4, 4^2, 6^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^2, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 3^2, 6^3, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{3^5, 6^3, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^3, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 6^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^3, 6^4, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 4^2, 6^4, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3, 6^5, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{6^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3, 4, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{3^4, 4^3, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2, 3, 4^5, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{3^5, 4, 6, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^5, 4, 6^2, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^2, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 4^3, 6^2, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^3, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{4, 6^5, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^8, 12^6\})$	2102132736

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{3^6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 4^2, 12^6\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 4^4, 12^6\})$	33634123776
12	$\mathcal{O}(3; \{2^5, 3, 6, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^4, 6, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3^2, 6^2, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 6^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{4^2, 6^3, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{3, 6^4, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 4, 6, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{4^3, 6, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{3, 4, 6^2, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 3, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{3, 4^2, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{3^2, 6, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2, 6^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{2, 4, 12^9\})$	259900047360
12	$\mathcal{O}(2; \{2^{20}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^{16}, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{12}, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^9, 4^2\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^{12}, 4^2\})$	56650752
12	$\mathcal{O}(2; \{3^{15}, 4^2\})$	452957184
12	$\mathcal{O}(2; \{2^{17}, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^9, 3^6, 4^4\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^9, 4^4\})$	28200960
12	$\mathcal{O}(2; \{2, 3^{12}, 4^4\})$	226603008
12	$\mathcal{O}(2; \{2^{14}, 4^6\})$	655360
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^6, 4^6\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^9, 4^6\})$	112803840
12	$\mathcal{O}(2; \{2^{11}, 4^8\})$	2621440
12	$\mathcal{O}(2; \{2^7, 3^3, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^3, 3^6, 4^8\})$	58392576
12	$\mathcal{O}(2; \{2^8, 4^{10}\})$	10485760
12	$\mathcal{O}(2; \{2^4, 3^3, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{3^6, 4^{10}\})$	233570304
12	$\mathcal{O}(2; \{2^5, 4^{12}\})$	41943040

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^3, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{2^2, 4^{14}\})$	167772160
12	$\mathcal{O}(2; \{2^{17}, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^7, 4^2, 6\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4^2, 6\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{13}, 4^2, 6\})$	226520064
12	$\mathcal{O}(2; \{2^{14}, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^7, 4^4, 6\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^4, 6\})$	113135616
12	$\mathcal{O}(2; \{2^{11}, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^4, 4^6, 6\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^7, 4^6, 6\})$	57065472
12	$\mathcal{O}(2; \{2^8, 3, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^4, 4^8, 6\})$	26542080
12	$\mathcal{O}(2; \{3^7, 4^8, 6\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{2, 3^4, 4^{10}, 6\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^2, 6^2\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^8, 4^2, 6^2\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^2, 6^2\})$	113218560
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^7, 3^5, 4^4, 6^2\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^8, 4^4, 6^2\})$	56733696
12	$\mathcal{O}(2; \{2^8, 3^2, 4^6, 6^2\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^5, 4^6, 6^2\})$	27869184
12	$\mathcal{O}(2; \{3^8, 4^6, 6^2\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3^2, 4^8, 6^2\})$	15925248
12	$\mathcal{O}(2; \{2, 3^5, 4^8, 6^2\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{10}, 6^2\})$	63700992
12	$\mathcal{O}(2; \{2^{15}, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^6, 4^2, 6^3\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^9, 4^2, 6^3\})$	56650752
12	$\mathcal{O}(2; \{2^{12}, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{2^8, 3^3, 4^4, 6^3\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^6, 4^4, 6^3\})$	28200960
12	$\mathcal{O}(2; \{3^9, 4^4, 6^3\})$	226603008
12	$\mathcal{O}(2; \{2^9, 4^6, 6^3\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3^3, 4^6, 6^3\})$	14598144

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^6, 4^6, 6^3\})$	112803840
12	$\mathcal{O}(2; \{2^6, 4^8, 6^3\})$	5308416
12	$\mathcal{O}(2; \{2^2, 3^3, 4^8, 6^3\})$	58392576
12	$\mathcal{O}(2; \{2^3, 4^{10}, 6^3\})$	21233664
12	$\mathcal{O}(2; \{4^{12}, 6^3\})$	84934656
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 6^4\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 6^4\})$	28283904
12	$\mathcal{O}(2; \{3^{10}, 4^2, 6^4\})$	226520064
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 6^4\})$	1658880
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 6^4\})$	14266368
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 6^4\})$	113135616
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 6^4\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 6^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 6^4\})$	26542080
12	$\mathcal{O}(2; \{3, 4^{10}, 6^4\})$	106168320
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6^5\})$	1741824
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6^5\})$	14183424
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6^5\})$	113218560
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6^5\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6^5\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6^5\})$	27869184
12	$\mathcal{O}(2; \{3^2, 4^8, 6^5\})$	111476736
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^6\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^6\})$	56650752
12	$\mathcal{O}(2; \{2^7, 4^4, 6^6\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^6\})$	28200960
12	$\mathcal{O}(2; \{2^4, 4^6, 6^6\})$	14598144
12	$\mathcal{O}(2; \{3^3, 4^6, 6^6\})$	112803840
12	$\mathcal{O}(2; \{2, 4^8, 6^6\})$	58392576
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^7\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^7\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^7\})$	14266368
12	$\mathcal{O}(2; \{3^4, 4^4, 6^7\})$	113135616
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^7\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^8\})$	14183424
12	$\mathcal{O}(2; \{3^5, 4^2, 6^8\})$	113218560
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^8\})$	56733696
12	$\mathcal{O}(2; \{2^5, 4^2, 6^9\})$	7050240
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^9\})$	56650752
12	$\mathcal{O}(2; \{2^2, 4^4, 6^9\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^{10}\})$	28283904

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{4^2, 6^{12}\})$	56650752
12	$\mathcal{O}(2; \{2^{17}, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^8, 4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^{11}, 4, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{14}, 4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^8, 4^3, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^3, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^5, 4^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^8, 4^5, 12\})$	112803840
12	$\mathcal{O}(2; \{2^8, 3^2, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^5, 4^7, 12\})$	58392576
12	$\mathcal{O}(2; \{3^8, 4^7, 12\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^2, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2, 3^5, 4^9, 12\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{2^{18}, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4, 6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^9, 4, 6, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4, 6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^6, 4^3, 6, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^9, 4^3, 6, 12\})$	113135616
12	$\mathcal{O}(2; \{2^{12}, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^3, 4^5, 6, 12\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^6, 4^5, 6, 12\})$	57065472
12	$\mathcal{O}(2; \{3^9, 4^5, 6, 12\})$	452542464
12	$\mathcal{O}(2; \{2^9, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^3, 4^7, 6, 12\})$	26542080
12	$\mathcal{O}(2; \{2, 3^6, 4^7, 6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^6, 4^9, 6, 12\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^3, 4^9, 6, 12\})$	106168320
12	$\mathcal{O}(2; \{2^3, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{4^{13}, 6, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^7, 4, 6^2, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4, 6^2, 12\})$	113218560

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{12}, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^4, 4^3, 6^2, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^7, 4^3, 6^2, 12\})$	56733696
12	$\mathcal{O}(2; \{3^{10}, 4^3, 6^2, 12\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3, 4^5, 6^2, 12\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^4, 4^5, 6^2, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^7, 4^5, 6^2, 12\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3, 4^7, 6^2, 12\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^4, 4^7, 6^2, 12\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3, 4^9, 6^2, 12\})$	63700992
12	$\mathcal{O}(2; \{3, 4^{11}, 6^2, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^5, 4, 6^3, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^8, 4, 6^3, 12\})$	56650752
12	$\mathcal{O}(2; \{3^{11}, 4, 6^3, 12\})$	452957184
12	$\mathcal{O}(2; \{2^9, 3^2, 4^3, 6^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^5, 4^3, 6^3, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^8, 4^3, 6^3, 12\})$	226603008
12	$\mathcal{O}(2; \{2^6, 3^2, 4^5, 6^3, 12\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^5, 4^5, 6^3, 12\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^2, 4^7, 6^3, 12\})$	58392576
12	$\mathcal{O}(2; \{3^2, 4^9, 6^3, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{13}, 4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 6^4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 6^4, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^9, 4, 6^4, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{10}, 4^3, 6^4, 12\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 6^4, 12\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 6^4, 12\})$	113135616
12	$\mathcal{O}(2; \{2^7, 4^5, 6^4, 12\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 6^4, 12\})$	57065472
12	$\mathcal{O}(2; \{2^4, 4^7, 6^4, 12\})$	26542080
12	$\mathcal{O}(2; \{3^3, 4^7, 6^4, 12\})$	228261888
12	$\mathcal{O}(2; \{2, 4^9, 6^4, 12\})$	106168320
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6^5, 12\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6^5, 12\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6^5, 12\})$	113218560
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6^5, 12\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6^5, 12\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6^5, 12\})$	27869184
12	$\mathcal{O}(2; \{3^4, 4^5, 6^5, 12\})$	226934784
12	$\mathcal{O}(2; \{2, 3, 4^7, 6^5, 12\})$	111476736
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^6, 12\})$	7050240

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^6, 12\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^6, 12\})$	28200960
12	$\mathcal{O}(2; \{3^5, 4^3, 6^6, 12\})$	226603008
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^6, 12\})$	112803840
12	$\mathcal{O}(2; \{2^8, 4, 6^7, 12\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^7, 12\})$	28283904
12	$\mathcal{O}(2; \{3^6, 4, 6^7, 12\})$	226520064
12	$\mathcal{O}(2; \{2^5, 4^3, 6^7, 12\})$	14266368
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^7, 12\})$	113135616
12	$\mathcal{O}(2; \{2^2, 4^5, 6^7, 12\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^8, 12\})$	14183424
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^8, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^8, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^9, 12\})$	56650752
12	$\mathcal{O}(2; \{2^3, 4, 6^{10}, 12\})$	28283904
12	$\mathcal{O}(2; \{4^3, 6^{10}, 12\})$	113135616
12	$\mathcal{O}(2; \{3, 4, 6^{11}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{18}, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{13}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^7, 4^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^4, 4^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^7, 4^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^{10}, 4^4, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^9, 3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^4, 4^6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^7, 4^6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^4, 4^8, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{3, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^8, 6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{11}, 6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^5, 4^2, 6, 12^2\})$	14266368

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^8, 4^2, 6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^{11}, 4^2, 6, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^9, 3^2, 4^4, 6, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^5, 4^4, 6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^8, 4^4, 6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^6, 3^2, 4^6, 6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^5, 4^6, 6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^2, 4^8, 6, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3^2, 4^{10}, 6, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{16}, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^6, 6^2, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^9, 6^2, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^{12}, 6^2, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 6^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 6^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 6^2, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 4^4, 6^2, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 6^2, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 6^2, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^7, 4^6, 6^2, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 6^2, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^4, 4^8, 6^2, 12^2\})$	63700992
12	$\mathcal{O}(2; \{3^3, 4^8, 6^2, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2, 4^{10}, 6^2, 12^2\})$	254803968
12	$\mathcal{O}(2; \{2^{13}, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^4, 6^3, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^7, 6^3, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{10}, 6^3, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6^3, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6^3, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6^3, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6^3, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6^3, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6^3, 12^2\})$	58392576
12	$\mathcal{O}(2; \{3^4, 4^6, 6^3, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2, 3, 4^8, 6^3, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6^4, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^5, 6^4, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^8, 6^4, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^4, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^4, 12^2\})$	113135616

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{3^5, 4^4, 6^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^4, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^{11}, 6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^3, 6^5, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^6, 6^5, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^8, 4^2, 6^5, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^5, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3^6, 4^2, 6^5, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^5, 4^4, 6^5, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^5, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^2, 4^6, 6^5, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^8, 3, 6^6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^4, 6^6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^7, 6^6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^2, 6^7, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^5, 6^7, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^7, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^6, 6^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^3, 6^8, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^3, 4^2, 6^8, 12^2\})$	56733696
12	$\mathcal{O}(2; \{4^4, 6^8, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3, 6^9, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3, 4^2, 6^9, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^2, 6^{10}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 6^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^{16}, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^6, 4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^9, 4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^{12}, 4, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^6, 4^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^9, 4^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^{10}, 4^5, 12^3\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^3, 4^5, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^6, 4^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^7, 4^7, 12^3\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^7, 12^3\})$	233570304

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 4^9, 12^3\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^9, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2, 4^{11}, 12^3\})$	339738624
12	$\mathcal{O}(2; \{2^{13}, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^4, 4, 6, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^7, 4, 6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{10}, 4, 6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3, 4^3, 6, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^4, 4^3, 6, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^7, 4^3, 6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^7, 3, 4^5, 6, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^4, 4^5, 6, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3, 4^7, 6, 12^3\})$	106168320
12	$\mathcal{O}(2; \{3^4, 4^7, 6, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2, 3, 4^9, 6, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 6^2, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 6^2, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 6^2, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 6^2, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 6^2, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 6^2, 12^3\})$	111476736
12	$\mathcal{O}(2; \{3^5, 4^5, 6^2, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 6^2, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^{11}, 4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6^3, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6^3, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^8, 4^3, 6^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3^6, 4^3, 6^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^5, 4^5, 6^3, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6^3, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^2, 4^7, 6^3, 12^3\})$	233570304
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^7, 4, 6^4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^4, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^4, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^4, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^5, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^5, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^5, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^6, 4, 6^6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^6, 12^3\})$	226603008

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 4^3, 6^6, 12^3\})$	112803840
12	$\mathcal{O}(2; \{4^5, 6^6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^7, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3, 4^3, 6^7, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^2, 4, 6^8, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2, 4, 6^9, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^{13}, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{11}, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{3^5, 4^6, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{14}, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^3, 6, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^6, 6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^9, 6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^8, 4^4, 6, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3^6, 4^4, 6, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 4^6, 6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^2, 4^8, 6, 12^4\})$	424673280
12	$\mathcal{O}(2; \{2^{11}, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^4, 6^2, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^7, 6^2, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^2, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^7, 4^2, 6^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^2, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^2, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^2, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2^8, 3^2, 6^3, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^5, 6^3, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^8, 6^3, 12^4\})$	1811828736

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^3, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^3, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^3, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^9, 6^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^3, 6^4, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^6, 6^4, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^6, 4^2, 6^4, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^4, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^3, 4^4, 6^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{4^6, 6^4, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^6, 3, 6^5, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^4, 6^5, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^5, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3, 4^4, 6^5, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^2, 6^6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^2, 4^2, 6^6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^4, 6^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{3^3, 6^7, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2, 4^2, 6^7, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3, 6^8, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 12^5\})$	451215360
12	$\mathcal{O}(2; \{3^7, 4^3, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 12^5\})$	934281216
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^8, 4, 6, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^9, 4, 6^2, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^2, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^2, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 4^3, 6^2, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^2, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^3, 4^5, 6^2, 12^5\})$	445906944
12	$\mathcal{O}(2; \{4^7, 6^2, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^3, 12^5\})$	112803840

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^3, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^3, 12^5\})$	451215360
12	$\mathcal{O}(2; \{3, 4^5, 6^3, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^2, 4^3, 6^4, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 4, 6^5, 12^5\})$	226934784
12	$\mathcal{O}(2; \{3^3, 4, 6^5, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2, 4^3, 6^5, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2, 3, 4, 6^6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^{12}, 12^6\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^9, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 4^2, 12^6\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 4^4, 12^6\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 4^6, 12^6\})$	934281216
12	$\mathcal{O}(2; \{4^8, 12^6\})$	3737124864
12	$\mathcal{O}(2; \{2^9, 3, 6, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^4, 6, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^7, 6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6, 12^6\})$	913047552
12	$\mathcal{O}(2; \{3, 4^6, 6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^6, 3^2, 6^2, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^5, 6^2, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^2, 4^4, 6^2, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^7, 6^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^3, 6^3, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^4, 4^2, 6^3, 12^6\})$	451215360
12	$\mathcal{O}(2; \{3^3, 4^2, 6^3, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2, 4^4, 6^3, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 3, 6^4, 12^6\})$	452542464
12	$\mathcal{O}(2; \{3^4, 6^4, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^4, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^2, 6^5, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 6^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 12^7\})$	3625648128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{3^2, 4^5, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^7, 4, 6, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 4^3, 6, 12^7\})$	913047552
12	$\mathcal{O}(2; \{3^3, 4^3, 6, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2, 4^5, 6, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^2, 12^7\})$	907739136
12	$\mathcal{O}(2; \{3^4, 4, 6^2, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^2, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^3, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 4, 6^4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 3, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{3^4, 4^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2, 3, 4^4, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{2^4, 3^2, 6, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{3^5, 6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^5, 6^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2, 3^3, 6^2, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 4^2, 6^2, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3, 6^3, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{6^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 4, 12^9\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^3, 4, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 4^3, 12^9\})$	7219445760
12	$\mathcal{O}(2; \{2^2, 3, 4, 6, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{4, 6^3, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 3^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 6, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{4^2, 6, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{3, 6^2, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{3, 4, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{2, 12^{12}\})$	58010370048
12	$\mathcal{O}(1; \{2^{24}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{20}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{16}, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^{12}, 4^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{15}, 4^2\})$	3145536
12	$\mathcal{O}(1; \{3^{18}, 4^2\})$	25166016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{21}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^9, 4^4\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^4\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{15}, 4^4\})$	12582144
12	$\mathcal{O}(1; \{2^{18}, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^9, 4^6\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^6\})$	6294528
12	$\mathcal{O}(1; \{2^{15}, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^6, 4^8\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^9, 4^8\})$	3133440
12	$\mathcal{O}(1; \{2^{12}, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^8, 3^3, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^4, 3^6, 4^{10}\})$	1622016
12	$\mathcal{O}(1; \{3^9, 4^{10}\})$	12533760
12	$\mathcal{O}(1; \{2^9, 4^{12}\})$	262144
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2, 3^6, 4^{12}\})$	6488064
12	$\mathcal{O}(1; \{2^6, 4^{14}\})$	1048576
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{2^3, 4^{16}\})$	4194304
12	$\mathcal{O}(1; \{4^{18}\})$	16777216
12	$\mathcal{O}(1; \{2^{21}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4^2, 6\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4^2, 6\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{16}, 4^2, 6\})$	12582720
12	$\mathcal{O}(1; \{2^{18}, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^4, 6\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^4, 6\})$	6292224
12	$\mathcal{O}(1; \{2^{15}, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^7, 4^6, 6\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^6, 6\})$	3142656
12	$\mathcal{O}(1; \{2^{12}, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^4, 4^8, 6\})$	184320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^7, 4^8, 6\})$	1585152
12	$\mathcal{O}(1; \{3^{10}, 4^8, 6\})$	12570624
12	$\mathcal{O}(1; \{2^9, 3, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^4, 4^{10}, 6\})$	737280
12	$\mathcal{O}(1; \{2, 3^7, 4^{10}, 6\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{12}, 6\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{3, 4^{16}, 6\})$	9437184
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^2, 6^2\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^2, 6^2\})$	6291648
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^8, 4^4, 6^2\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^4, 6^2\})$	3144960
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{2^8, 3^5, 4^6, 6^2\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^8, 4^6, 6^2\})$	1575936
12	$\mathcal{O}(1; \{3^{11}, 4^6, 6^2\})$	12579840
12	$\mathcal{O}(1; \{2^9, 3^2, 4^8, 6^2\})$	110592
12	$\mathcal{O}(1; \{2^5, 3^5, 4^8, 6^2\})$	774144
12	$\mathcal{O}(1; \{2, 3^8, 4^8, 6^2\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{10}, 6^2\})$	442368
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{10}, 6^2\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{12}, 6^2\})$	1769472
12	$\mathcal{O}(1; \{3^2, 4^{14}, 6^2\})$	7077888
12	$\mathcal{O}(1; \{2^{19}, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^9, 4^2, 6^3\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^2, 6^3\})$	3145536
12	$\mathcal{O}(1; \{2^{16}, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^6, 4^4, 6^3\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^9, 4^4, 6^3\})$	1573632
12	$\mathcal{O}(1; \{3^{12}, 4^4, 6^3\})$	12582144
12	$\mathcal{O}(1; \{2^{13}, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2^9, 3^3, 4^6, 6^3\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^6, 4^6, 6^3\})$	783360
12	$\mathcal{O}(1; \{2, 3^9, 4^6, 6^3\})$	6294528

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^6, 3^3, 4^8, 6^3\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^6, 4^8, 6^3\})$	3133440
12	$\mathcal{O}(1; \{2^7, 4^{10}, 6^3\})$	147456
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{10}, 6^3\})$	1622016
12	$\mathcal{O}(1; \{2^4, 4^{12}, 6^3\})$	589824
12	$\mathcal{O}(1; \{3^3, 4^{12}, 6^3\})$	6488064
12	$\mathcal{O}(1; \{2, 4^{14}, 6^3\})$	2359296
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 6^4\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 6^4\})$	1573056
12	$\mathcal{O}(1; \{3^{13}, 4^2, 6^4\})$	12582720
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 6^4\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 6^4\})$	785664
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 6^4\})$	6292224
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 6^4\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 6^4\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 6^4\})$	184320
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 6^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 6^4\})$	737280
12	$\mathcal{O}(1; \{3^4, 4^{10}, 6^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 6^4\})$	2949120
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6^5\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6^5\})$	786240
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6^5\})$	6291648
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6^5\})$	48384
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6^5\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6^5\})$	3144960
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6^5\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6^5\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6^5\})$	774144
12	$\mathcal{O}(1; \{3^5, 4^8, 6^5\})$	6303744
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6^5\})$	3096576
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^6\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^6\})$	3145536
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^6\})$	195840

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^6\})$	1573632
12	$\mathcal{O}(1; \{2^8, 4^6, 6^6\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^6\})$	783360
12	$\mathcal{O}(1; \{3^6, 4^6, 6^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 4^8, 6^6\})$	405504
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^6\})$	3133440
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^6\})$	1622016
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^7\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^7\})$	1573056
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^7\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^7\})$	785664
12	$\mathcal{O}(1; \{3^7, 4^4, 6^7\})$	6292224
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^7\})$	396288
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^7\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^7\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^8\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^8\})$	786240
12	$\mathcal{O}(1; \{3^8, 4^2, 6^8\})$	6291648
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^8\})$	393984
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^8\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^8\})$	1575936
12	$\mathcal{O}(1; \{2^9, 4^2, 6^9\})$	48960
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^9\})$	393408
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^9\})$	3145536
12	$\mathcal{O}(1; \{2^6, 4^4, 6^9\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^9\})$	1573632
12	$\mathcal{O}(1; \{2^3, 4^6, 6^9\})$	783360
12	$\mathcal{O}(1; \{4^8, 6^9\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^{10}\})$	196416
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^{10}\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^{10}\})$	785664
12	$\mathcal{O}(1; \{3, 4^6, 6^{10}\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^{11}\})$	786240
12	$\mathcal{O}(1; \{3^2, 4^4, 6^{11}\})$	3144960
12	$\mathcal{O}(1; \{2^4, 4^2, 6^{12}\})$	393408
12	$\mathcal{O}(1; \{3^3, 4^2, 6^{12}\})$	3145536
12	$\mathcal{O}(1; \{2, 4^4, 6^{12}\})$	1573632
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^{13}\})$	1573056
12	$\mathcal{O}(1; \{2^{21}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^{11}, 4, 12\})$	393408

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^{14}, 4, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{17}, 4, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^3, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^8, 4^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^5, 12\})$	6294528
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^5, 4^7, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^8, 4^7, 12\})$	3133440
12	$\mathcal{O}(1; \{3^{11}, 4^7, 12\})$	25178112
12	$\mathcal{O}(1; \{2^9, 3^2, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^5, 4^9, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^8, 4^9, 12\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{11}, 12\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{3^2, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{22}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4, 6, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4, 6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^9, 4^3, 6, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^3, 6, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{16}, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^6, 4^5, 6, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^9, 4^5, 6, 12\})$	3142656
12	$\mathcal{O}(1; \{3^{12}, 4^5, 6, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^3, 4^7, 6, 12\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^6, 4^7, 6, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^9, 4^7, 6, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 4^9, 6, 12\})$	147456

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 4^9, 6, 12\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^6, 4^9, 6, 12\})$	6340608
12	$\mathcal{O}(1; \{2^7, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{11}, 6, 12\})$	2949120
12	$\mathcal{O}(1; \{2^4, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{3^3, 4^{13}, 6, 12\})$	11796480
12	$\mathcal{O}(1; \{2, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4, 6^2, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4, 6^2, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^7, 4^3, 6^2, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^3, 6^2, 12\})$	3144960
12	$\mathcal{O}(1; \{3^{13}, 4^3, 6^2, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^4, 4^5, 6^2, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^7, 4^5, 6^2, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{10}, 4^5, 6^2, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3, 4^7, 6^2, 12\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^4, 4^7, 6^2, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^7, 4^7, 6^2, 12\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3, 4^9, 6^2, 12\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^4, 4^9, 6^2, 12\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3, 4^{11}, 6^2, 12\})$	1769472
12	$\mathcal{O}(1; \{3^4, 4^{11}, 6^2, 12\})$	12386304
12	$\mathcal{O}(1; \{2, 3, 4^{13}, 6^2, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^8, 4, 6^3, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4, 6^3, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{14}, 4, 6^3, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^5, 4^3, 6^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^8, 4^3, 6^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{11}, 4^3, 6^3, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^5, 6^3, 12\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^5, 4^5, 6^3, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^8, 4^5, 6^3, 12\})$	6294528
12	$\mathcal{O}(1; \{2^7, 3^2, 4^7, 6^3, 12\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^5, 4^7, 6^3, 12\})$	3133440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^2, 4^9, 6^3, 12\})$	1622016
12	$\mathcal{O}(1; \{3^5, 4^9, 6^3, 12\})$	12533760
12	$\mathcal{O}(1; \{2, 3^2, 4^{11}, 6^3, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{17}, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 6^4, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 6^4, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 6^4, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{14}, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 6^4, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 6^4, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{11}, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 6^4, 12\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 6^4, 12\})$	3142656
12	$\mathcal{O}(1; \{2^8, 4^7, 6^4, 12\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 6^4, 12\})$	1585152
12	$\mathcal{O}(1; \{3^6, 4^7, 6^4, 12\})$	12570624
12	$\mathcal{O}(1; \{2^5, 4^9, 6^4, 12\})$	737280
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 6^4, 12\})$	6340608
12	$\mathcal{O}(1; \{2^2, 4^{11}, 6^4, 12\})$	2949120
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6^5, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6^5, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6^5, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6^5, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6^5, 12\})$	3144960
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6^5, 12\})$	1575936
12	$\mathcal{O}(1; \{3^7, 4^5, 6^5, 12\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6^5, 12\})$	774144
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6^5, 12\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6^5, 12\})$	3096576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^6, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^6, 12\})$	3145536
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^6, 12\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^6, 12\})$	1573632
12	$\mathcal{O}(1; \{3^8, 4^3, 6^6, 12\})$	12582144
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^6, 12\})$	783360
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^6, 12\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^6, 12\})$	3133440

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 4, 6^7, 12\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^7, 12\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^7, 12\})$	1573056
12	$\mathcal{O}(1; \{3^9, 4, 6^7, 12\})$	12582720
12	$\mathcal{O}(1; \{2^9, 4^3, 6^7, 12\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^7, 12\})$	785664
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^7, 12\})$	6292224
12	$\mathcal{O}(1; \{2^6, 4^5, 6^7, 12\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^7, 12\})$	3142656
12	$\mathcal{O}(1; \{2^3, 4^7, 6^7, 12\})$	1585152
12	$\mathcal{O}(1; \{4^9, 6^7, 12\})$	6340608
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^8, 12\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^8, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^8, 12\})$	6291648
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^8, 12\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^8, 12\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^8, 12\})$	1575936
12	$\mathcal{O}(1; \{3, 4^7, 6^8, 12\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^9, 12\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^9, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^9, 12\})$	1573632
12	$\mathcal{O}(1; \{3^2, 4^5, 6^9, 12\})$	6294528
12	$\mathcal{O}(1; \{2^7, 4, 6^{10}, 12\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^{10}, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 4^3, 6^{10}, 12\})$	785664
12	$\mathcal{O}(1; \{3^3, 4^3, 6^{10}, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 4^5, 6^{10}, 12\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^{11}, 12\})$	786240
12	$\mathcal{O}(1; \{3^4, 4, 6^{11}, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^{11}, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^{12}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 4, 6^{13}, 12\})$	1573056
12	$\mathcal{O}(1; \{2^{22}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{16}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^2, 12^2\})$	12582144

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{16}, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^7, 4^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^{13}, 4^4, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^4, 4^6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^7, 4^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{10}, 4^6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^4, 4^8, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^7, 4^8, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{10}, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{3^4, 4^{12}, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2, 3, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{11}, 6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{14}, 6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^8, 4^2, 6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^2, 6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{14}, 4^2, 6, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^5, 4^4, 6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^8, 4^4, 6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{11}, 4^4, 6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^5, 4^6, 6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^8, 4^6, 6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^2, 4^8, 6, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^5, 4^8, 6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{10}, 6, 12^2\})$	2949120
12	$\mathcal{O}(1; \{3^5, 4^{10}, 6, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2, 3^2, 4^{12}, 6, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{20}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^6, 6^2, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^9, 6^2, 12^2\})$	786240

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{12}, 6^2, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{15}, 6^2, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 4^2, 6^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 6^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 6^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 6^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 6^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 6^2, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 6^2, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 6^2, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 6^2, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^8, 4^8, 6^2, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 6^2, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3^6, 4^8, 6^2, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^5, 4^{10}, 6^2, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 6^2, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^2, 4^{12}, 6^2, 12^2\})$	7077888
12	$\mathcal{O}(1; \{2^{17}, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^7, 6^3, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{10}, 6^3, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{13}, 6^3, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6^3, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6^3, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6^3, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6^3, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6^3, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6^3, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^7, 4^6, 6^3, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6^3, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6^3, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6^3, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^8, 6^4, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6^4, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^4, 12^2\})$	99072

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^4, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^4, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^8, 4^4, 6^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^4, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^4, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^4, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^{15}, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^6, 6^5, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^9, 6^5, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^5, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^5, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^9, 4^2, 6^5, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^9, 4^4, 6^5, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^5, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^5, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^6, 4^6, 6^5, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^5, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^3, 4^8, 6^5, 12^2\})$	3096576
12	$\mathcal{O}(1; \{4^{10}, 6^5, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{12}, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^4, 6^6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^7, 6^6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^{10}, 6^6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3, 4^8, 6^6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^9, 3^2, 6^7, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^5, 6^7, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^8, 6^7, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^7, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^7, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^7, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^2, 4^6, 6^7, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^3, 6^8, 12^2\})$	786240

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^6, 6^8, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^7, 4^2, 6^8, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^8, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^4, 4^4, 6^8, 12^2\})$	1575936
12	$\mathcal{O}(1; \{3^3, 4^4, 6^8, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2, 4^6, 6^8, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3, 6^9, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^4, 6^9, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^9, 12^2\})$	1573632
12	$\mathcal{O}(1; \{3^4, 4^2, 6^9, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^9, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^2, 6^{10}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{3^5, 6^{10}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^{10}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^5, 6^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2, 3^3, 6^{11}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 4^2, 6^{11}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3, 6^{12}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{6^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{20}, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^9, 4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^{15}, 4, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^6, 4^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^9, 4^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{12}, 4^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^6, 4^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^9, 4^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^{11}, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^3, 4^7, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^6, 4^7, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^8, 4^9, 12^3\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^9, 12^3\})$	6488064
12	$\mathcal{O}(1; \{3^6, 4^9, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^5, 4^{11}, 12^3\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{11}, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^2, 4^{13}, 12^3\})$	9437184

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{17}, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^7, 4, 6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4, 6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{13}, 4, 6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^7, 4^3, 6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^3, 6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^4, 4^5, 6, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^7, 4^5, 6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3, 4^7, 6, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^4, 4^7, 6, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^7, 4^7, 6, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3, 4^9, 6, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2, 3^4, 4^9, 6, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3, 4^{11}, 6, 12^3\})$	11796480
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 6^2, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 6^2, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 6^2, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 6^2, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 6^2, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 6^2, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 6^2, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^8, 4^5, 6^2, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 6^2, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 6^2, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 6^2, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^{15}, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6^3, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6^3, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^9, 4^3, 6^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^9, 4^5, 6^3, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6^3, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6^3, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^6, 4^7, 6^3, 12^3\})$	1622016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6^3, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^3, 4^9, 6^3, 12^3\})$	6488064
12	$\mathcal{O}(1; \{4^{11}, 6^3, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^{10}, 4, 6^4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^4, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^4, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^4, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^4, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^4, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^4, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3, 4^9, 6^4, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^5, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^5, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^5, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^5, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^5, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^2, 4^7, 6^5, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^{10}, 4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^7, 4^3, 6^6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^4, 4^5, 6^6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{3^3, 4^5, 6^6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2, 4^7, 6^6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^7, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^7, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^7, 12^3\})$	3142656
12	$\mathcal{O}(1; \{3^4, 4^3, 6^7, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^7, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^8, 12^3\})$	3144960
12	$\mathcal{O}(1; \{3^5, 4, 6^8, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^8, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^5, 4, 6^9, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^9, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 4^3, 6^9, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^{10}, 12^3\})$	6292224
12	$\mathcal{O}(1; \{4, 6^{12}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{17}, 3^2, 12^4\})$	25344

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{14}, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^8, 4^6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 12^4\})$	25952256
12	$\mathcal{O}(1; \{2^{18}, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^9, 6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{12}, 6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^9, 4^4, 6, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^9, 4^6, 6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^6, 4^8, 6, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6, 12^4\})$	11796480
12	$\mathcal{O}(1; \{4^{12}, 6, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{15}, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^7, 6^2, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6^2, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^2, 12^4\})$	1575936

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^2, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^2, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^2, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^2, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^2, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^2, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3, 4^{10}, 6^2, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^5, 6^3, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^8, 6^3, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^{11}, 6^3, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^3, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^3, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^3, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^3, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^3, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^3, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^2, 4^8, 6^3, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{13}, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^3, 6^4, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^6, 6^4, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^9, 6^4, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^4, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^4, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^7, 4^4, 6^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^4, 4^6, 6^4, 12^4\})$	6340608
12	$\mathcal{O}(1; \{3^3, 4^6, 6^4, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2, 4^8, 6^4, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^{10}, 3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^4, 6^5, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^7, 6^5, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^5, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^5, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^5, 12^4\})$	6303744
12	$\mathcal{O}(1; \{3^4, 4^4, 6^5, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^5, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^2, 6^6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^5, 6^6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^6, 12^4\})$	6294528

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 4^2, 6^6, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^6, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^8, 6^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^3, 6^7, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3^6, 6^7, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^5, 4^2, 6^7, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^7, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^2, 4^4, 6^7, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3, 6^8, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2, 3^4, 6^8, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^8, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^2, 6^9, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^3, 6^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{4^2, 6^{10}, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3, 6^{11}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^{10}, 4^3, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 12^5\})$	25952256
12	$\mathcal{O}(1; \{3, 4^{11}, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^{11}, 4, 6, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3^2, 4^9, 6, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{13}, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^2, 12^5\})$	1575936

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^2, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^2, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^2, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^2, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^7, 4^5, 6^2, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^2, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^4, 4^7, 6^2, 12^5\})$	12386304
12	$\mathcal{O}(1; \{3^3, 4^7, 6^2, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2, 4^9, 6^2, 12^5\})$	49545216
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^3, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^3, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^3, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^3, 12^5\})$	12533760
12	$\mathcal{O}(1; \{3^4, 4^5, 6^3, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^3, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^4, 12^5\})$	12570624
12	$\mathcal{O}(1; \{3^5, 4^3, 6^4, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^4, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^8, 4, 6^5, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^5, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3^6, 4, 6^5, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^5, 4^3, 6^5, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^5, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^2, 4^5, 6^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^6, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^7, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^3, 4, 6^8, 12^5\})$	12579840
12	$\mathcal{O}(1; \{4^3, 6^8, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3, 4, 6^9, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{16}, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^{12}, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 12^6\})$	3133440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^7, 4^6, 12^6\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2^4, 4^8, 12^6\})$	25952256
12	$\mathcal{O}(1; \{3^3, 4^8, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2, 4^{10}, 12^6\})$	103809024
12	$\mathcal{O}(1; \{2^{13}, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^4, 6, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^7, 6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{10}, 6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{3^4, 4^6, 6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2, 3, 4^8, 6, 12^6\})$	101449728
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^5, 6^2, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^8, 6^2, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^2, 12^6\})$	25214976
12	$\mathcal{O}(1; \{3^5, 4^4, 6^2, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^2, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^{11}, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^3, 6^3, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^6, 6^3, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^8, 4^2, 6^3, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^3, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3^6, 4^2, 6^3, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^5, 4^4, 6^3, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^3, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^2, 4^6, 6^3, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2^8, 3, 6^4, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^4, 6^4, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^7, 6^4, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^4, 12^6\})$	12570624

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^4, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^2, 6^5, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2, 3^5, 6^5, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^5, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^6, 6^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^3, 6^6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^3, 4^2, 6^6, 12^6\})$	25178112
12	$\mathcal{O}(1; \{4^4, 6^6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3, 6^7, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3, 4^2, 6^7, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^2, 6^8, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2, 6^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 12^7\})$	50135040
12	$\mathcal{O}(1; \{3^5, 4^5, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 12^7\})$	200540160
12	$\mathcal{O}(1; \{2^{11}, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^8, 4^3, 6, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3^6, 4^3, 6, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^5, 4^5, 6, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^2, 4^7, 6, 12^7\})$	101449728
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^2, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^2, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^7, 4, 6^2, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^2, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^2, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^2, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^3, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^3, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^6, 4, 6^4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^3, 4^3, 6^4, 12^7\})$	50282496
12	$\mathcal{O}(1; \{4^5, 6^4, 12^7\})$	201129984

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^5, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3, 4^3, 6^5, 12^7\})$	201277440
12	$\mathcal{O}(1; \{3^2, 4, 6^6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2, 4, 6^7, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^{11}, 3, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^7, 4^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{2^8, 3^2, 6, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^5, 6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^8, 6, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2^9, 6^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2, 3^6, 6^2, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^6, 4^2, 6^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^2, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^3, 4^4, 6^2, 12^8\})$	100859904
12	$\mathcal{O}(1; \{4^6, 6^2, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^6, 3, 6^3, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^3, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3, 4^4, 6^3, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^2, 4^2, 6^4, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^4, 6^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{3^3, 6^5, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2, 4^2, 6^5, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2, 3, 6^6, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^9, 4, 12^9\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2, 3^6, 4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^6, 4^3, 12^9\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2^3, 4^5, 12^9\})$	200540160
12	$\mathcal{O}(1; \{4^7, 12^9\})$	802160640

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3, 4, 6, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6, 12^9\})$	201129984
12	$\mathcal{O}(1; \{3, 4^5, 6, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^2, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^2, 4^3, 6^2, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^4, 4, 6^3, 12^9\})$	100712448
12	$\mathcal{O}(1; \{3^3, 4, 6^3, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2, 4^3, 6^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2, 3, 4, 6^4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^6, 3^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{3^2, 4^4, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^7, 6, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^3, 6, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2^4, 4^2, 6, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{3^3, 4^2, 6, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2, 4^4, 6, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{2^4, 3, 6^2, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{3^4, 6^2, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2, 3^2, 6^3, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^2, 6^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3, 4, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{3^4, 4, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2, 3, 4^3, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 4, 6^2, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{2^5, 12^{12}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 4^2, 12^{12}\})$	1611399168
12	$\mathcal{O}(1; \{2^2, 3, 6, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{6^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{4, 6, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{3, 12^{14}\})$	12884115456
12	$\mathcal{O}(0; \{2^{24}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{20}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{15}, 4^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{18}, 4^2\})$	174764
12	$\mathcal{O}(0; \{3^{21}, 4^2\})$	1398100

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^4\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^4\})$	87376
12	$\mathcal{O}(0; \{2, 3^{18}, 4^4\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^6\})$	349504
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^9, 4^8\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^8\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^8, 3^6, 4^{10}\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^9, 4^{10}\})$	87040
12	$\mathcal{O}(0; \{3^{12}, 4^{10}\})$	699392
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{12}\})$	45056
12	$\mathcal{O}(0; \{2, 3^9, 4^{12}\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{14}\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{3^3, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{2^{25}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4^2, 6\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4^2, 6\})$	87380
12	$\mathcal{O}(0; \{2, 3^{19}, 4^2, 6\})$	699052
12	$\mathcal{O}(0; \{2^{22}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^4, 6\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^4, 6\})$	349520
12	$\mathcal{O}(0; \{2^{19}, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^6, 6\})$	21824

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^6, 6\})$	174784
12	$\mathcal{O}(0; \{2^{16}, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^7, 4^8, 6\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^8, 6\})$	87296
12	$\mathcal{O}(0; \{3^{13}, 4^8, 6\})$	699136
12	$\mathcal{O}(0; \{2^{13}, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^4, 4^{10}, 6\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^7, 4^{10}, 6\})$	44032
12	$\mathcal{O}(0; \{2, 3^{10}, 4^{10}, 6\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{12}, 6\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{12}, 6\})$	176128
12	$\mathcal{O}(0; \{2^7, 3, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{14}, 6\})$	81920
12	$\mathcal{O}(0; \{2^4, 3, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{3^4, 4^{16}, 6\})$	327680
12	$\mathcal{O}(0; \{2, 3, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^2, 6^2\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^2, 6^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^2, 6^2\})$	349524
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^4, 6^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^4, 6^2\})$	174768
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^8, 4^6, 6^2\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^6, 6^2\})$	87360
12	$\mathcal{O}(0; \{3^{14}, 4^6, 6^2\})$	699072
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{2^9, 3^5, 4^8, 6^2\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^8, 4^8, 6^2\})$	43776
12	$\mathcal{O}(0; \{2, 3^{11}, 4^8, 6^2\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{10}, 6^2\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{10}, 6^2\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{12}, 6^2\})$	12288
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{12}, 6^2\})$	86016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{14}, 6^2\})$	49152
12	$\mathcal{O}(0; \{3^5, 4^{14}, 6^2\})$	344064
12	$\mathcal{O}(0; \{2, 3^2, 4^{16}, 6^2\})$	196608
12	$\mathcal{O}(0; \{2^{23}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^2, 6^3\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^2, 6^3\})$	174764
12	$\mathcal{O}(0; \{2^{20}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^4, 6^3\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^9, 4^4, 6^3\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^4, 6^3\})$	87376
12	$\mathcal{O}(0; \{3^{15}, 4^4, 6^3\})$	699056
12	$\mathcal{O}(0; \{2^{17}, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{2^9, 3^6, 4^6, 6^3\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^9, 4^6, 6^3\})$	43712
12	$\mathcal{O}(0; \{2, 3^{12}, 4^6, 6^3\})$	349504
12	$\mathcal{O}(0; \{2^{14}, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^6, 4^8, 6^3\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^9, 4^8, 6^3\})$	174848
12	$\mathcal{O}(0; \{2^{11}, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{10}, 6^3\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{10}, 6^3\})$	87040
12	$\mathcal{O}(0; \{2^8, 4^{12}, 6^3\})$	4096
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{12}, 6^3\})$	45056
12	$\mathcal{O}(0; \{3^6, 4^{12}, 6^3\})$	348160
12	$\mathcal{O}(0; \{2^5, 4^{14}, 6^3\})$	16384
12	$\mathcal{O}(0; \{2, 3^3, 4^{14}, 6^3\})$	180224
12	$\mathcal{O}(0; \{2^2, 4^{16}, 6^3\})$	65536
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 6^4\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 6^4\})$	87380
12	$\mathcal{O}(0; \{3^{16}, 4^2, 6^4\})$	699052
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 6^4\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 6^4\})$	43696

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 6^4\})$	349520
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 6^4\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 6^4\})$	174784
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 6^4\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 6^4\})$	87296
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 6^4\})$	5120
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 6^4\})$	44032
12	$\mathcal{O}(0; \{3^7, 4^{10}, 6^4\})$	349184
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 6^4\})$	20480
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 6^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 6^4\})$	81920
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6^5\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6^5\})$	43692
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6^5\})$	349524
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6^5\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6^5\})$	174768
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6^5\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6^5\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6^5\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6^5\})$	43776
12	$\mathcal{O}(0; \{3^8, 4^8, 6^5\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6^5\})$	21504
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6^5\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6^5\})$	86016
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^6\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^6\})$	174764
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^6\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^6\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^6\})$	87376
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^6\})$	5440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^6\})$	43712
12	$\mathcal{O}(0; \{3^9, 4^6, 6^6\})$	349504
12	$\mathcal{O}(0; \{2^9, 4^8, 6^6\})$	2816
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^6\})$	21760
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^6\})$	11264
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^6\})$	87040
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^6\})$	45056
12	$\mathcal{O}(0; \{4^{14}, 6^6\})$	180224
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^7\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^7\})$	87380
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^7\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^7\})$	43696
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^7\})$	349520
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^7\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^7\})$	21824
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^7\})$	174784
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^7\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^7\})$	87296
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^7\})$	44032
12	$\mathcal{O}(0; \{3, 4^{12}, 6^7\})$	176128
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^8\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^8\})$	43692
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^8\})$	349524
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^8\})$	2736
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^8\})$	21840
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^8\})$	174768
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^8\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^8\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^8\})$	43776
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^8\})$	175104
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^9\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^9\})$	21844
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^9\})$	174764
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^9\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^9\})$	87376
12	$\mathcal{O}(0; \{2^7, 4^6, 6^9\})$	5440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^9\})$	43712
12	$\mathcal{O}(0; \{2^4, 4^8, 6^9\})$	21760
12	$\mathcal{O}(0; \{3^3, 4^8, 6^9\})$	174848
12	$\mathcal{O}(0; \{2, 4^{10}, 6^9\})$	87040
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^{10}\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^{10}\})$	87380
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^{10}\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^{10}\})$	43696
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^{10}\})$	21824
12	$\mathcal{O}(0; \{3^4, 4^6, 6^{10}\})$	174784
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^{10}\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^{11}\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^{11}\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^{11}\})$	21840
12	$\mathcal{O}(0; \{3^5, 4^4, 6^{11}\})$	174768
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^{11}\})$	87360
12	$\mathcal{O}(0; \{2^8, 4^2, 6^{12}\})$	2732
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^{12}\})$	21844
12	$\mathcal{O}(0; \{3^6, 4^2, 6^{12}\})$	174764
12	$\mathcal{O}(0; \{2^5, 4^4, 6^{12}\})$	10928
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^{12}\})$	87376
12	$\mathcal{O}(0; \{2^2, 4^6, 6^{12}\})$	43712
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^{13}\})$	10924
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^{13}\})$	87380
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^{13}\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{14}\})$	43692
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{15}\})$	21844
12	$\mathcal{O}(0; \{4^4, 6^{15}\})$	87376
12	$\mathcal{O}(0; \{3, 4^2, 6^{16}\})$	87380
12	$\mathcal{O}(0; \{2^{25}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{14}, 4, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{17}, 4, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{20}, 4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^3, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^3, 12\})$	699056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^5, 12\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^8, 4^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^7, 12\})$	174848
12	$\mathcal{O}(0; \{3^{14}, 4^7, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^5, 4^9, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^8, 4^9, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^{11}, 4^9, 12\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{11}, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{11}, 12\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{13}, 12\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{3^5, 4^{15}, 12\})$	720896
12	$\mathcal{O}(0; \{2, 3^2, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{2^{26}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4, 6, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4, 6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{23}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^3, 6, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^3, 6, 12\})$	349520
12	$\mathcal{O}(0; \{2^{20}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^9, 4^5, 6, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^5, 6, 12\})$	174784
12	$\mathcal{O}(0; \{3^{15}, 4^5, 6, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^7, 6, 12\})$	1280

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^6, 4^7, 6, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^9, 4^7, 6, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^{12}, 4^7, 6, 12\})$	699136
12	$\mathcal{O}(0; \{2^{14}, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^6, 4^9, 6, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^9, 4^9, 6, 12\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{11}, 6, 12\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{11}, 6, 12\})$	176128
12	$\mathcal{O}(0; \{2^8, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{13}, 6, 12\})$	81920
12	$\mathcal{O}(0; \{3^6, 4^{13}, 6, 12\})$	704512
12	$\mathcal{O}(0; \{2^5, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{2, 3^3, 4^{15}, 6, 12\})$	327680
12	$\mathcal{O}(0; \{2^2, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4, 6^2, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4, 6^2, 12\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^3, 6^2, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^3, 6^2, 12\})$	174768
12	$\mathcal{O}(0; \{3^{16}, 4^3, 6^2, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^7, 4^5, 6^2, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^5, 6^2, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^{13}, 4^5, 6^2, 12\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^7, 4^7, 6^2, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^7, 6^2, 12\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^4, 4^9, 6^2, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^7, 4^9, 6^2, 12\})$	175104
12	$\mathcal{O}(0; \{2^8, 3, 4^{11}, 6^2, 12\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{11}, 6^2, 12\})$	86016
12	$\mathcal{O}(0; \{3^7, 4^{11}, 6^2, 12\})$	700416

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4^{13}, 6^2, 12\})$	49152
12	$\mathcal{O}(0; \{2, 3^4, 4^{13}, 6^2, 12\})$	344064
12	$\mathcal{O}(0; \{2^2, 3, 4^{15}, 6^2, 12\})$	196608
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4, 6^3, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4, 6^3, 12\})$	174764
12	$\mathcal{O}(0; \{3^{17}, 4, 6^3, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^8, 4^3, 6^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^3, 6^3, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{14}, 4^3, 6^3, 12\})$	699056
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^8, 4^5, 6^3, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^5, 6^3, 12\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^5, 4^7, 6^3, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^8, 4^7, 6^3, 12\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^2, 4^9, 6^3, 12\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^5, 4^9, 6^3, 12\})$	87040
12	$\mathcal{O}(0; \{3^8, 4^9, 6^3, 12\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{11}, 6^3, 12\})$	45056
12	$\mathcal{O}(0; \{2, 3^5, 4^{11}, 6^3, 12\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{13}, 6^3, 12\})$	180224
12	$\mathcal{O}(0; \{2^{21}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 6^4, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 6^4, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 6^4, 12\})$	699052
12	$\mathcal{O}(0; \{2^{18}, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 6^4, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 6^4, 12\})$	349520
12	$\mathcal{O}(0; \{2^{15}, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 6^4, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 6^4, 12\})$	174784
12	$\mathcal{O}(0; \{2^{12}, 4^7, 6^4, 12\})$	1280

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 6^4, 12\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 6^4, 12\})$	87296
12	$\mathcal{O}(0; \{3^9, 4^7, 6^4, 12\})$	699136
12	$\mathcal{O}(0; \{2^9, 4^9, 6^4, 12\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 6^4, 12\})$	44032
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 6^4, 12\})$	349184
12	$\mathcal{O}(0; \{2^6, 4^{11}, 6^4, 12\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 6^4, 12\})$	176128
12	$\mathcal{O}(0; \{2^3, 4^{13}, 6^4, 12\})$	81920
12	$\mathcal{O}(0; \{4^{15}, 6^4, 12\})$	327680
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6^5, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6^5, 12\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6^5, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6^5, 12\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6^5, 12\})$	87360
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6^5, 12\})$	699072
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6^5, 12\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6^5, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6^5, 12\})$	349440
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6^5, 12\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6^5, 12\})$	175104
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6^5, 12\})$	86016
12	$\mathcal{O}(0; \{3, 4^{13}, 6^5, 12\})$	344064
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^6, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^6, 12\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^6, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^6, 12\})$	87376
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^6, 12\})$	699056
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^6, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^6, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^6, 12\})$	349504
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^6, 12\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^6, 12\})$	174848

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^6, 12\})$	87040
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^6, 12\})$	348160
12	$\mathcal{O}(0; \{2^{16}, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^7, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^7, 12\})$	87380
12	$\mathcal{O}(0; \{3^{12}, 4, 6^7, 12\})$	699052
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^7, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^7, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^7, 12\})$	349520
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^7, 12\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^7, 12\})$	174784
12	$\mathcal{O}(0; \{2^7, 4^7, 6^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^7, 12\})$	87296
12	$\mathcal{O}(0; \{2^4, 4^9, 6^7, 12\})$	44032
12	$\mathcal{O}(0; \{3^3, 4^9, 6^7, 12\})$	349184
12	$\mathcal{O}(0; \{2, 4^{11}, 6^7, 12\})$	176128
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^8, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^8, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^8, 12\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^8, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^8, 12\})$	174768
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^8, 12\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^8, 12\})$	87360
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^8, 12\})$	43776
12	$\mathcal{O}(0; \{3^4, 4^7, 6^8, 12\})$	349440
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^8, 12\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^9, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^9, 12\})$	174764
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^9, 12\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^9, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^9, 12\})$	43712
12	$\mathcal{O}(0; \{3^5, 4^5, 6^9, 12\})$	349504
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^9, 12\})$	174848
12	$\mathcal{O}(0; \{2^{11}, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^{10}, 12\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^{10}, 12\})$	87380
12	$\mathcal{O}(0; \{2^8, 4^3, 6^{10}, 12\})$	5456

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^{10}, 12\})$	43696
12	$\mathcal{O}(0; \{3^6, 4^3, 6^{10}, 12\})$	349520
12	$\mathcal{O}(0; \{2^5, 4^5, 6^{10}, 12\})$	21824
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^{10}, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 4^7, 6^{10}, 12\})$	87296
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^{11}, 12\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^{11}, 12\})$	43692
12	$\mathcal{O}(0; \{3^7, 4, 6^{11}, 12\})$	349524
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^{11}, 12\})$	21840
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^{11}, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^{11}, 12\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^{12}, 12\})$	21844
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^{12}, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^{12}, 12\})$	87376
12	$\mathcal{O}(0; \{2^6, 4, 6^{13}, 12\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^{13}, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 4^3, 6^{13}, 12\})$	43696
12	$\mathcal{O}(0; \{4^5, 6^{13}, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{14}, 12\})$	43692
12	$\mathcal{O}(0; \{3, 4^3, 6^{14}, 12\})$	174768
12	$\mathcal{O}(0; \{3^2, 4, 6^{15}, 12\})$	174764
12	$\mathcal{O}(0; \{2, 4, 6^{16}, 12\})$	87380
12	$\mathcal{O}(0; \{2^{26}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{16}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{19}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{16}, 4^4, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^6, 12^2\})$	2816

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^7, 4^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^{13}, 4^6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^7, 4^8, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^8, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{10}, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{10}, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^8, 3, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{12}, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^7, 4^{12}, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2, 3^4, 4^{14}, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^2, 3, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{14}, 6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{17}, 6, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^2, 6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^2, 6, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{17}, 4^2, 6, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^8, 4^4, 6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^4, 6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{14}, 4^4, 6, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^8, 4^6, 6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^6, 6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^5, 4^8, 6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^8, 4^8, 6, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{10}, 6, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{10}, 6, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^8, 4^{10}, 6, 12^2\})$	1396736

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{12}, 6, 12^2\})$	81920
12	$\mathcal{O}(0; \{2, 3^5, 4^{12}, 6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{14}, 6, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^{24}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{12}, 6^2, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{15}, 6^2, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{18}, 6^2, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 6^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 6^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 6^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 6^2, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 6^2, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 6^2, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 6^2, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 6^2, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 6^2, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^9, 4^8, 6^2, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^9, 4^{10}, 6^2, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 6^2, 12^2\})$	86016
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 6^2, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^6, 4^{12}, 6^2, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 6^2, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^3, 4^{14}, 6^2, 12^2\})$	196608
12	$\mathcal{O}(0; \{4^{16}, 6^2, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{10}, 6^3, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{13}, 6^3, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{16}, 6^3, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6^3, 12^2\})$	176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6^3, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6^3, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6^3, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6^3, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6^3, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6^3, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6^3, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6^3, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6^3, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6^3, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6^3, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6^3, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6^3, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6^3, 12^2\})$	180224
12	$\mathcal{O}(0; \{3, 4^{14}, 6^3, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{18}, 3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{11}, 6^4, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{14}, 6^4, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^4, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^4, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^4, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^4, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^4, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^4, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^4, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^4, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^4, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{19}, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6^5, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^9, 6^5, 12^2\})$	43692

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6^5, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^5, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^5, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^5, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^5, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^5, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^5, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^5, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^5, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^7, 4^8, 6^5, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^5, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^5, 12^2\})$	86016
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^5, 12^2\})$	700416
12	$\mathcal{O}(0; \{2, 4^{12}, 6^5, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^7, 6^6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^6, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^{13}, 6^6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^6, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^6, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^6, 12^2\})$	87040
12	$\mathcal{O}(0; \{3^4, 4^8, 6^6, 12^2\})$	699392
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^6, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^5, 6^7, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^8, 6^7, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^{11}, 6^7, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^7, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^7, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^7, 12^2\})$	21824

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^7, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^7, 12^2\})$	87296
12	$\mathcal{O}(0; \{3^5, 4^6, 6^7, 12^2\})$	699136
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^7, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{14}, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^6, 6^8, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^9, 6^8, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^8, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^8, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^8, 4^4, 6^8, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^8, 12^2\})$	87360
12	$\mathcal{O}(0; \{3^6, 4^4, 6^8, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^5, 4^6, 6^8, 12^2\})$	43776
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^8, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^2, 4^8, 6^8, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^4, 6^9, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^7, 6^9, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^9, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^9, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^7, 4^2, 6^9, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^9, 12^2\})$	43712
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^9, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^9, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^2, 6^{10}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^5, 6^{10}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^8, 6^{10}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^{10}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^{10}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^{10}, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^9, 6^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^3, 6^{11}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2, 3^6, 6^{11}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^6, 4^2, 6^{11}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^{11}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 4^4, 6^{11}, 12^2\})$	87360
12	$\mathcal{O}(0; \{4^6, 6^{11}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^6, 3, 6^{12}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^4, 6^{12}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{12}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3, 4^4, 6^{12}, 12^2\})$	349504

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 6^{13}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{13}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^4, 6^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{3^3, 6^{14}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 4^2, 6^{14}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3, 6^{15}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^{24}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{18}, 4, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^9, 4^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{15}, 4^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^9, 4^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^6, 4^7, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^9, 4^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^9, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^6, 4^9, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^9, 4^9, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^9, 4^{11}, 12^3\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{11}, 12^3\})$	180224
12	$\mathcal{O}(0; \{2, 3^6, 4^{11}, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^6, 4^{13}, 12^3\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{13}, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^3, 4^{15}, 12^3\})$	262144
12	$\mathcal{O}(0; \{4^{17}, 12^3\})$	1048576
12	$\mathcal{O}(0; \{2^{21}, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4, 6, 12^3\})$	43696

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4, 6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{16}, 4, 6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^3, 6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^3, 6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^7, 4^5, 6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^5, 6, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^4, 4^7, 6, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^7, 4^7, 6, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^{10}, 4^7, 6, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3, 4^9, 6, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^4, 4^9, 6, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^7, 4^9, 6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3, 4^{11}, 6, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{11}, 6, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^3, 3, 4^{13}, 6, 12^3\})$	327680
12	$\mathcal{O}(0; \{3, 4^{15}, 6, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 6^2, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 6^2, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 6^2, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 6^2, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 6^2, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 6^2, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 6^2, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^{11}, 4^5, 6^2, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 6^2, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 6^2, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 6^2, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 6^2, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 6^2, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 6^2, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^2, 4^{13}, 6^2, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{19}, 4, 6^3, 12^3\})$	176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6^3, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6^3, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6^3, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6^3, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6^3, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6^3, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6^3, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^7, 4^9, 6^3, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6^3, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6^3, 12^3\})$	180224
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6^3, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2, 4^{13}, 6^3, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^4, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^{13}, 4, 6^4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^4, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^4, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^4, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^4, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^4, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^4, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^4, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^4, 12^3\})$	176128
12	$\mathcal{O}(0; \{3^4, 4^9, 6^4, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^4, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^5, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^5, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^5, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^5, 12^3\})$	10944

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^5, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^5, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^5, 12^3\})$	175104
12	$\mathcal{O}(0; \{3^5, 4^7, 6^5, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^5, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^{14}, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^6, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^6, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^8, 4^5, 6^6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^6, 12^3\})$	174848
12	$\mathcal{O}(0; \{3^6, 4^5, 6^6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^5, 4^7, 6^6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^6, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^2, 4^9, 6^6, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^7, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^7, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^7, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^7, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^7, 4^3, 6^7, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^7, 12^3\})$	87296
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^7, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^8, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^8, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^8, 4, 6^8, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^8, 12^3\})$	87360
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^8, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^8, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^9, 4, 6^9, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^9, 12^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^9, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^6, 4^3, 6^9, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^9, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^3, 4^5, 6^9, 12^3\})$	174848
12	$\mathcal{O}(0; \{4^7, 6^9, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^{10}, 12^3\})$	43696

Continued on next page

Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^{10}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^{10}, 12^3\})$	174784
12	$\mathcal{O}(0; \{3, 4^5, 6^{10}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^{11}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^2, 4^3, 6^{11}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^4, 4, 6^{12}, 12^3\})$	87376
12	$\mathcal{O}(0; \{3^3, 4, 6^{12}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 4^3, 6^{12}, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3, 4, 6^{13}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^{21}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{17}, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^{11}, 4^6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 12^4\})$	720896
12	$\mathcal{O}(0; \{3^2, 4^{14}, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{22}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{12}, 6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{15}, 6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6, 12^4\})$	2752

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6, 12^4\})$	704512
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6, 12^4\})$	327680
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2, 4^{14}, 6, 12^4\})$	1310720
12	$\mathcal{O}(0; \{2^{19}, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{10}, 6^2, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{13}, 6^2, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^2, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^2, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^2, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^2, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^2, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^2, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^2, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^2, 12^4\})$	344064
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^2, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^2, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6^3, 12^4\})$	1360

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^8, 6^3, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6^3, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{14}, 6^3, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^3, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^3, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^3, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^3, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^3, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^3, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^3, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^3, 12^4\})$	348160
12	$\mathcal{O}(0; \{3^5, 4^8, 6^3, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^3, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{17}, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^6, 6^4, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^9, 6^4, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^{12}, 6^4, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^4, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^4, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^8, 4^6, 6^4, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^4, 12^4\})$	349184
12	$\mathcal{O}(0; \{3^6, 4^6, 6^4, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^5, 4^8, 6^4, 12^4\})$	176128
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^4, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^4, 12^4\})$	704512
12	$\mathcal{O}(0; \{2^{14}, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^7, 6^5, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^5, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^5, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^5, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^5, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^5, 12^4\})$	349440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^4, 6^5, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^5, 12^4\})$	175104
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^5, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^5, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^5, 6^6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^8, 6^6, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^6, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^8, 4^2, 6^6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^3, 6^7, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^6, 6^7, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^9, 6^7, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^9, 4^2, 6^7, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^7, 12^4\})$	174784
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^7, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^6, 4^4, 6^7, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^7, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^3, 4^6, 6^7, 12^4\})$	349184
12	$\mathcal{O}(0; \{4^8, 6^7, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3, 6^8, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^4, 6^8, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^7, 6^8, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^8, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^8, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^8, 12^4\})$	349440
12	$\mathcal{O}(0; \{3, 4^6, 6^8, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^2, 6^9, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^5, 6^9, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^9, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^2, 4^4, 6^9, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^7, 6^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^3, 6^{10}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{10}, 12^4\})$	174784
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{10}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 4^4, 6^{10}, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^4, 3, 6^{11}, 12^4\})$	174768
12	$\mathcal{O}(0; \{3^4, 6^{11}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{11}, 12^4\})$	699072

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 6^{12}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 6^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^{13}, 4^3, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 12^5\})$	720896
12	$\mathcal{O}(0; \{3^4, 4^{11}, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 12^5\})$	2883584
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{14}, 4, 6, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6, 12^5\})$	704512
12	$\mathcal{O}(0; \{3^5, 4^9, 6, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{17}, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^2, 12^5\})$	10944

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^2, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^2, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^2, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^2, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^2, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^2, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^2, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^8, 4^7, 6^2, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^2, 12^5\})$	700416
12	$\mathcal{O}(0; \{3^6, 4^7, 6^2, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^5, 4^9, 6^2, 12^5\})$	344064
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^2, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^2, 12^5\})$	1376256
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^3, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^3, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^3, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^3, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^7, 4^5, 6^3, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^3, 12^5\})$	348160
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^3, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^3, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^4, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^4, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^8, 4^3, 6^4, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^4, 12^5\})$	349184
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^4, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^4, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^{12}, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^5, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^5, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^9, 4, 6^5, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^9, 4^3, 6^5, 12^5\})$	43776

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^5, 12^5\})$	349440
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^5, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^6, 4^5, 6^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^3, 4^7, 6^5, 12^5\})$	700416
12	$\mathcal{O}(0; \{4^9, 6^5, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^6, 12^5\})$	699392
12	$\mathcal{O}(0; \{3, 4^7, 6^6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^7, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^7, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^7, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^2, 4^5, 6^7, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^7, 4, 6^8, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^8, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^4, 4^3, 6^8, 12^5\})$	349440
12	$\mathcal{O}(0; \{3^3, 4^3, 6^8, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 4^5, 6^8, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^9, 12^5\})$	349504
12	$\mathcal{O}(0; \{3^4, 4, 6^9, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^9, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{10}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 4, 6^{11}, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^{20}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^{16}, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{15}, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 4^6, 12^6\})$	45056

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^8, 4^8, 12^6\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 12^6\})$	1392640
12	$\mathcal{O}(0; \{3^6, 4^8, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^5, 4^{10}, 12^6\})$	720896
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^2, 4^{12}, 12^6\})$	2883584
12	$\mathcal{O}(0; \{2^{17}, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^7, 6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{13}, 6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^7, 4^6, 6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6, 12^6\})$	704512
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6, 12^6\})$	2818048
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^8, 6^2, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^2, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^2, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^2, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^8, 4^4, 6^2, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^2, 12^6\})$	700416
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^2, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^2, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^{15}, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^6, 6^3, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^9, 6^3, 12^6\})$	2796224

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^3, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^3, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^9, 4^2, 6^3, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^9, 4^4, 6^3, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^3, 12^6\})$	699392
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^3, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^6, 4^6, 6^3, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^3, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^3, 4^8, 6^3, 12^6\})$	1392640
12	$\mathcal{O}(0; \{4^{10}, 6^3, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{12}, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^4, 6^4, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^7, 6^4, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^{10}, 6^4, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^4, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^4, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^4, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^4, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3, 4^8, 6^4, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^9, 3^2, 6^5, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^5, 6^5, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^8, 6^5, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^5, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^5, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^5, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^2, 4^6, 6^5, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^{10}, 6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^3, 6^6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^6, 6^6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^7, 4^2, 6^6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^4, 4^4, 6^6, 12^6\})$	699392
12	$\mathcal{O}(0; \{3^3, 4^4, 6^6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2, 4^6, 6^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3, 6^7, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^4, 6^7, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^7, 12^6\})$	699136
12	$\mathcal{O}(0; \{3^4, 4^2, 6^7, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^7, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^2, 6^8, 12^6\})$	699072

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^5, 6^8, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^8, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^5, 6^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2, 3^3, 6^9, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 4^2, 6^9, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3, 6^{10}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{6^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^8, 4^5, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 12^7\})$	5570560
12	$\mathcal{O}(0; \{2^{15}, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^9, 4^3, 6, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^9, 4^5, 6, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^6, 4^7, 6, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^3, 4^9, 6, 12^7\})$	2818048
12	$\mathcal{O}(0; \{4^{11}, 6, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^2, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^2, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^{10}, 4, 6^2, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^2, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^2, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^2, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^2, 12^7\})$	700416

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^2, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^2, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3, 4^9, 6^2, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^3, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^3, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^3, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^3, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^2, 4^7, 6^3, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^{10}, 4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^7, 4^3, 6^4, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^4, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^4, 4^5, 6^4, 12^7\})$	1396736
12	$\mathcal{O}(0; \{3^3, 4^5, 6^4, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2, 4^7, 6^4, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^5, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^5, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^5, 12^7\})$	1397760
12	$\mathcal{O}(0; \{3^4, 4^3, 6^5, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{3^5, 4, 6^6, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^5, 4, 6^7, 12^7\})$	699136
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^7, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^2, 4^3, 6^7, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^8, 12^7\})$	2796288
12	$\mathcal{O}(0; \{4, 6^{10}, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{15}, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^{10}, 4^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 12^8\})$	1392640

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 12^8\})$	5570560
12	$\mathcal{O}(0; \{3, 4^{10}, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^5, 6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^8, 6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^{11}, 6, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3^2, 4^8, 6, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{13}, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^9, 6^2, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^7, 4^4, 6^2, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^2, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^4, 4^6, 6^2, 12^8\})$	2801664
12	$\mathcal{O}(0; \{3^3, 4^6, 6^2, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2, 4^8, 6^2, 12^8\})$	11206656
12	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^3, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^3, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^3, 12^8\})$	2797568
12	$\mathcal{O}(0; \{3^4, 4^4, 6^3, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^3, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^4, 12^8\})$	2796544
12	$\mathcal{O}(0; \{3^5, 4^2, 6^4, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^8, 6^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 12^8\})$	2796288
12	$\mathcal{O}(0; \{3^6, 6^5, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^5, 4^2, 6^5, 12^8\})$	1397760

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^5, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^2, 4^4, 6^5, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3, 6^6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2, 3^4, 6^6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^6, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^3, 6^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{4^2, 6^8, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3, 6^9, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^9, 4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 4^3, 12^9\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^7, 4^5, 12^9\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2^4, 4^7, 12^9\})$	5570560
12	$\mathcal{O}(0; \{3^3, 4^7, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2, 4^9, 12^9\})$	22282240
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6, 12^9\})$	5586944
12	$\mathcal{O}(0; \{3^4, 4^5, 6, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2, 3, 4^7, 6, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^2, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^2, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^2, 12^9\})$	5591040
12	$\mathcal{O}(0; \{3^5, 4^3, 6^2, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^2, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^8, 4, 6^3, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^3, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3^6, 4, 6^3, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^5, 4^3, 6^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^2, 4^5, 6^3, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^4, 12^9\})$	11186176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^5, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^3, 4, 6^6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{4^3, 6^6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3, 4, 6^7, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{3^5, 4^4, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^{11}, 6, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^3, 6, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^6, 6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^8, 4^2, 6, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{3^6, 4^2, 6, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^5, 4^4, 6, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 4^6, 6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{2^8, 3, 6^2, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^7, 6^2, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2, 3^5, 6^3, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^6, 6^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^3, 4^2, 6^4, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{4^4, 6^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3, 6^5, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3, 4^2, 6^5, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{3^2, 6^6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2, 6^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3, 4, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^7, 4, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 12^{11}\})$	89473024

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 12^{11}\})$	44761088
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^5, 4, 6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2^6, 4, 6^2, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{4^5, 6^2, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3, 4^3, 6^3, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{3^2, 4, 6^4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2, 4, 6^5, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^9, 12^{12}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 4^2, 12^{12}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 4^4, 12^{12}\})$	44761088
12	$\mathcal{O}(0; \{4^6, 12^{12}\})$	179044352
12	$\mathcal{O}(0; \{2^6, 3, 6, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^4, 6, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{3, 4^4, 6, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 6^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{3^3, 6^3, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2, 4^2, 6^3, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2, 3, 6^4, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{3^2, 4^3, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2^4, 4, 6, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{3^3, 4, 6, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2, 4^3, 6, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 3, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{3^4, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2, 3, 4^2, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{2, 3^2, 6, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 6^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 4, 12^{15}\})$	357892096
12	$\mathcal{O}(0; \{6, 12^{16}\})$	1431633920
13	$\mathcal{O}(4; \{13^7\})$	2248392060446532

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(5; \{2^2, 7^3\})$	8677639649280
14	$\mathcal{O}(5; \{7^2, 14^2\})$	53801365825536
14	$\mathcal{O}(4; \{2^6, 7^3\})$	44273671680
14	$\mathcal{O}(4; \{2^4, 7^2, 14^2\})$	274496764416
14	$\mathcal{O}(4; \{2^2, 7, 14^4\})$	1638125852160
14	$\mathcal{O}(4; \{14^6\})$	9837609847296
14	$\mathcal{O}(3; \{2^{10}, 7^3\})$	225886080
14	$\mathcal{O}(3; \{2^3, 7^6, 14\})$	301106144640
14	$\mathcal{O}(3; \{2^8, 7^2, 14^2\})$	1400493696
14	$\mathcal{O}(3; \{2, 7^5, 14^3\})$	1806682045056
14	$\mathcal{O}(3; \{2^6, 7, 14^4\})$	8357784960
14	$\mathcal{O}(3; \{2^4, 14^6\})$	50191886976
14	$\mathcal{O}(2; \{2^{14}, 7^3\})$	1152480
14	$\mathcal{O}(2; \{2^2, 7^{10}\})$	331838406816
14	$\mathcal{O}(2; \{2^7, 7^6, 14\})$	1536255840
14	$\mathcal{O}(2; \{2^{12}, 7^2, 14^2\})$	7145376
14	$\mathcal{O}(2; \{7^9, 14^2\})$	1991030210400
14	$\mathcal{O}(2; \{2^5, 7^5, 14^3\})$	9217765536
14	$\mathcal{O}(2; \{2^{10}, 7, 14^4\})$	42641760
14	$\mathcal{O}(2; \{2^3, 7^4, 14^5\})$	55306362720
14	$\mathcal{O}(2; \{2^8, 14^6\})$	256081056
14	$\mathcal{O}(2; \{2, 7^3, 14^7\})$	331838406816
14	$\mathcal{O}(1; \{2^{18}, 7^3\})$	5880
14	$\mathcal{O}(1; \{2^6, 7^{10}\})$	1693053096
14	$\mathcal{O}(1; \{2^{11}, 7^6, 14\})$	7838040
14	$\mathcal{O}(1; \{2^{16}, 7^2, 14^2\})$	36456
14	$\mathcal{O}(1; \{2^4, 7^9, 14^2\})$	10158317400
14	$\mathcal{O}(1; \{2^9, 7^5, 14^3\})$	47029416
14	$\mathcal{O}(1; \{2^{14}, 7, 14^4\})$	217560
14	$\mathcal{O}(1; \{2^2, 7^8, 14^4\})$	60949905576
14	$\mathcal{O}(1; \{2^7, 7^4, 14^5\})$	282175320
14	$\mathcal{O}(1; \{2^{12}, 14^6\})$	1306536
14	$\mathcal{O}(1; \{7^7, 14^6\})$	365699432280
14	$\mathcal{O}(1; \{2^5, 7^3, 14^7\})$	1693053096
14	$\mathcal{O}(1; \{2^3, 7^2, 14^9\})$	10158317400
14	$\mathcal{O}(1; \{2, 7, 14^{11}\})$	60949905576
14	$\mathcal{O}(0; \{2^{22}, 7^3\})$	30
14	$\mathcal{O}(0; \{2^{10}, 7^{10}\})$	8638026
14	$\mathcal{O}(0; \{2^{15}, 7^6, 14\})$	39990
14	$\mathcal{O}(0; \{2^3, 7^{13}, 14\})$	11194880586
14	$\mathcal{O}(0; \{2^{20}, 7^2, 14^2\})$	186
14	$\mathcal{O}(0; \{2^8, 7^9, 14^2\})$	51828150
14	$\mathcal{O}(0; \{2^{13}, 7^5, 14^3\})$	239946

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2, 7^{12}, 14^3\})$	67169283510
14	$\mathcal{O}(0; \{2^{18}, 7, 14^4\})$	1110
14	$\mathcal{O}(0; \{2^6, 7^8, 14^4\})$	310968906
14	$\mathcal{O}(0; \{2^{11}, 7^4, 14^5\})$	1439670
14	$\mathcal{O}(0; \{2^{16}, 14^6\})$	6666
14	$\mathcal{O}(0; \{2^4, 7^7, 14^6\})$	1865813430
14	$\mathcal{O}(0; \{2^9, 7^3, 14^7\})$	8638026
14	$\mathcal{O}(0; \{2^2, 7^6, 14^8\})$	11194880586
14	$\mathcal{O}(0; \{2^7, 7^2, 14^9\})$	51828150
14	$\mathcal{O}(0; \{7^5, 14^{10}\})$	67169283510
14	$\mathcal{O}(0; \{2^5, 7, 14^{11}\})$	310968906
14	$\mathcal{O}(0; \{2^3, 14^{13}\})$	1865813430
15	$\mathcal{O}(5; \{15^3\})$	13839609375000
15	$\mathcal{O}(4; \{5^6\})$	2101250000000
15	$\mathcal{O}(4; \{3, 5^4, 15\})$	1045659375000
15	$\mathcal{O}(4; \{3^2, 5^2, 15^2\})$	799621875000
15	$\mathcal{O}(4; \{3^3, 15^3\})$	676603125000
15	$\mathcal{O}(3; \{3^3, 5^6\})$	18680625000
15	$\mathcal{O}(3; \{3^4, 5^4, 15\})$	23236875000
15	$\mathcal{O}(3; \{3^5, 5^2, 15^2\})$	24877125000
15	$\mathcal{O}(3; \{3^6, 15^3\})$	23236875000
15	$\mathcal{O}(3; \{5^5, 15^3\})$	298616625000
15	$\mathcal{O}(3; \{3, 5^3, 15^4\})$	373156875000
15	$\mathcal{O}(3; \{3^2, 5, 15^5\})$	392293125000
15	$\mathcal{O}(2; \{3^6, 5^6\})$	913275000
15	$\mathcal{O}(2; \{5^{11}\})$	41943000000
15	$\mathcal{O}(2; \{3^7, 5^4, 15\})$	888165000
15	$\mathcal{O}(2; \{3, 5^9, 15\})$	21233745000
15	$\mathcal{O}(2; \{3^8, 5^2, 15^2\})$	900315000
15	$\mathcal{O}(2; \{3^2, 5^7, 15^2\})$	15925005000
15	$\mathcal{O}(2; \{3^9, 15^3\})$	829845000
15	$\mathcal{O}(2; \{3^3, 5^5, 15^3\})$	14599035000
15	$\mathcal{O}(2; \{3^4, 5^3, 15^4\})$	14262885000
15	$\mathcal{O}(2; \{3^5, 5, 15^5\})$	14197275000
15	$\mathcal{O}(2; \{5^4, 15^6\})$	233571195000
15	$\mathcal{O}(2; \{3, 5^2, 15^7\})$	228258405000
15	$\mathcal{O}(2; \{3^2, 15^8\})$	226948635000
15	$\mathcal{O}(1; \{3^9, 5^6\})$	31365000
15	$\mathcal{O}(1; \{3^3, 5^{11}\})$	377487000
15	$\mathcal{O}(1; \{3^{10}, 5^4, 15\})$	31303800
15	$\mathcal{O}(1; \{3^4, 5^9, 15\})$	471861000
15	$\mathcal{O}(1; \{3^{11}, 5^2, 15^2\})$	31941000
15	$\mathcal{O}(1; \{3^5, 5^7, 15^2\})$	495444600

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^{12}, 15^3\})$	29489400
15	$\mathcal{O}(1; \{3^6, 5^5, 15^3\})$	501381000
15	$\mathcal{O}(1; \{5^{10}, 15^3\})$	6039797400
15	$\mathcal{O}(1; \{3^7, 5^3, 15^4\})$	502702200
15	$\mathcal{O}(1; \{3, 5^8, 15^4\})$	7549749000
15	$\mathcal{O}(1; \{3^8, 5, 15^5\})$	503685000
15	$\mathcal{O}(1; \{3^2, 5^6, 15^5\})$	7927227000
15	$\mathcal{O}(1; \{3^3, 5^4, 15^6\})$	8021637000
15	$\mathcal{O}(1; \{3^4, 5^2, 15^7\})$	8045076600
15	$\mathcal{O}(1; \{3^5, 15^8\})$	8051589000
15	$\mathcal{O}(1; \{5^3, 15^9\})$	128345733000
15	$\mathcal{O}(1; \{3, 5, 15^{10}\})$	128723067000
15	$\mathcal{O}(0; \{3^{12}, 5^6\})$	1120120
15	$\mathcal{O}(0; \{3^6, 5^{11}\})$	18454920
15	$\mathcal{O}(0; \{3^{13}, 5^4, 15\})$	1114248
15	$\mathcal{O}(0; \{3^7, 5^9, 15\})$	18035576
15	$\mathcal{O}(0; \{3, 5^{14}, 15\})$	429496728
15	$\mathcal{O}(0; \{3^{14}, 5^2, 15^2\})$	1135992
15	$\mathcal{O}(0; \{3^8, 5^7, 15^2\})$	17930376
15	$\mathcal{O}(0; \{3^2, 5^{12}, 15^2\})$	322122552
15	$\mathcal{O}(0; \{3^{15}, 15^3\})$	1048584
15	$\mathcal{O}(0; \{3^9, 5^5, 15^3\})$	17905528
15	$\mathcal{O}(0; \{3^3, 5^{10}, 15^3\})$	295278984
15	$\mathcal{O}(0; \{3^{10}, 5^3, 15^4\})$	17893512
15	$\mathcal{O}(0; \{3^4, 5^8, 15^4\})$	288568184
15	$\mathcal{O}(0; \{3^{11}, 5, 15^5\})$	17913720
15	$\mathcal{O}(0; \{3^5, 5^6, 15^5\})$	286890120
15	$\mathcal{O}(0; \{3^6, 5^4, 15^6\})$	286472056
15	$\mathcal{O}(0; \{5^9, 15^6\})$	4724464008
15	$\mathcal{O}(0; \{3^7, 5^2, 15^7\})$	286361736
15	$\mathcal{O}(0; \{3, 5^7, 15^7\})$	4617089912
15	$\mathcal{O}(0; \{3^8, 15^8\})$	286357368
15	$\mathcal{O}(0; \{3^2, 5^5, 15^8\})$	4590246024
15	$\mathcal{O}(0; \{3^3, 5^3, 15^9\})$	4583536504
15	$\mathcal{O}(0; \{3^4, 5, 15^{10}\})$	4581853320
15	$\mathcal{O}(0; \{5^2, 15^{12}\})$	73336567672
15	$\mathcal{O}(0; \{3, 15^{13}\})$	73309718664
16	$\mathcal{O}(4; \{2^3, 4, 16^2\})$	68719476736
16	$\mathcal{O}(4; \{4^3, 16^2\})$	274877906944
16	$\mathcal{O}(4; \{2, 8^2, 16^2\})$	549755813888
16	$\mathcal{O}(3; \{2^7, 4, 16^2\})$	268435456
16	$\mathcal{O}(3; \{2^4, 4^3, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2, 4^5, 16^2\})$	4294967296

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{2^5, 8^2, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2^2, 4^2, 8^2, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{4, 8^4, 16^2\})$	68719476736
16	$\mathcal{O}(3; \{2^3, 8, 16^4\})$	34359738368
16	$\mathcal{O}(3; \{4^2, 8, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{2, 16^6\})$	549755813888
16	$\mathcal{O}(2; \{2^{11}, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{2^8, 4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^5, 4^5, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^2, 4^7, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^9, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^6, 4^2, 8^2, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^3, 4^4, 8^2, 16^2\})$	134217728
16	$\mathcal{O}(2; \{4^6, 8^2, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^4, 4, 8^4, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2, 4^3, 8^4, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2^2, 8^6, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2^7, 8, 16^4\})$	134217728
16	$\mathcal{O}(2; \{2^4, 4^2, 8, 16^4\})$	536870912
16	$\mathcal{O}(2; \{2, 4^4, 8, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2^2, 4, 8^3, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{8^5, 16^4\})$	34359738368
16	$\mathcal{O}(2; \{2^5, 16^6\})$	2147483648
16	$\mathcal{O}(2; \{2^2, 4^2, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{4, 8^2, 16^6\})$	68719476736
16	$\mathcal{O}(1; \{2^{15}, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^{12}, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^9, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^6, 4^7, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^3, 4^9, 16^2\})$	1048576
16	$\mathcal{O}(1; \{4^{11}, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{13}, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^{10}, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^7, 4^4, 8^2, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^4, 4^6, 8^2, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2, 4^8, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^8, 4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^5, 4^3, 8^4, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^2, 4^5, 8^4, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^6, 8^6, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^3, 4^2, 8^6, 16^2\})$	33554432
16	$\mathcal{O}(1; \{4^4, 8^6, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2, 4, 8^8, 16^2\})$	268435456

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^{11}, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^8, 4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^5, 4^4, 8, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^2, 4^6, 8, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^6, 4, 8^3, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^3, 4^3, 8^3, 16^4\})$	67108864
16	$\mathcal{O}(1; \{4^5, 8^3, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^4, 8^5, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2, 4^2, 8^5, 16^4\})$	536870912
16	$\mathcal{O}(1; \{2^9, 16^6\})$	8388608
16	$\mathcal{O}(1; \{2^6, 4^2, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^3, 4^4, 16^6\})$	134217728
16	$\mathcal{O}(1; \{4^6, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^4, 4, 8^2, 16^6\})$	268435456
16	$\mathcal{O}(1; \{2, 4^3, 8^2, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2^2, 8^4, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2^2, 4, 8, 16^8\})$	4294967296
16	$\mathcal{O}(1; \{8^3, 16^8\})$	34359738368
16	$\mathcal{O}(1; \{4, 16^{10}\})$	68719476736
16	$\mathcal{O}(0; \{2^{19}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^{16}, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{13}, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{10}, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^7, 4^9, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^4, 4^{11}, 16^2\})$	16384
16	$\mathcal{O}(0; \{2, 4^{13}, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^{17}, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{14}, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{11}, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^8, 4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^5, 4^8, 8^2, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^2, 4^{10}, 8^2, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^{12}, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^9, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^6, 4^5, 8^4, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^3, 4^7, 8^4, 16^2\})$	262144
16	$\mathcal{O}(0; \{4^9, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^{10}, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^7, 4^2, 8^6, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^4, 4^4, 8^6, 16^2\})$	524288
16	$\mathcal{O}(0; \{2, 4^6, 8^6, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^5, 4, 8^8, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^2, 4^3, 8^8, 16^2\})$	4194304

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 8^{10}, 16^2\})$	8388608
16	$\mathcal{O}(0; \{4^2, 8^{10}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{2^{15}, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^{12}, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^9, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^6, 4^6, 8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^3, 4^8, 8, 16^4\})$	524288
16	$\mathcal{O}(0; \{4^{10}, 8, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^{10}, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^7, 4^3, 8^3, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^4, 4^5, 8^3, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2, 4^7, 8^3, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^8, 8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^5, 4^2, 8^5, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^4, 8^5, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4, 8^7, 16^4\})$	16777216
16	$\mathcal{O}(0; \{4^3, 8^7, 16^4\})$	67108864
16	$\mathcal{O}(0; \{2, 8^9, 16^4\})$	134217728
16	$\mathcal{O}(0; \{2^{13}, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^{10}, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^7, 4^4, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^4, 4^6, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2, 4^8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^8, 4, 8^2, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^5, 4^3, 8^2, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^2, 4^5, 8^2, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^6, 8^4, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4^2, 8^4, 16^6\})$	33554432
16	$\mathcal{O}(0; \{4^4, 8^4, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2, 4, 8^6, 16^6\})$	268435456
16	$\mathcal{O}(0; \{2^6, 4, 8, 16^8\})$	16777216
16	$\mathcal{O}(0; \{2^3, 4^3, 8, 16^8\})$	67108864
16	$\mathcal{O}(0; \{4^5, 8, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^4, 8^3, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2, 4^2, 8^3, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2^4, 4, 16^{10}\})$	268435456
16	$\mathcal{O}(0; \{2, 4^3, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{2^2, 8^2, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{8, 16^{12}\})$	34359738368
17	$\mathcal{O}(2; \{17^8\})$	21101174403856
18	$\mathcal{O}(5; \{2^2\})$	3570406760448
18	$\mathcal{O}(4; \{2^6\})$	11018280960
18	$\mathcal{O}(4; \{2^2, 3^3\})$	22036561920

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(4; \{2^3, 3, 6\})$	22036561920
18	$\mathcal{O}(4; \{3^2, 6^2\})$	66109685760
18	$\mathcal{O}(4; \{2, 6^3\})$	22036561920
18	$\mathcal{O}(4; \{2, 3, 9, 18\})$	132239526912
18	$\mathcal{O}(3; \{2^{10}\})$	33965568
18	$\mathcal{O}(3; \{2^6, 3^3\})$	67931136
18	$\mathcal{O}(3; \{2^2, 3^6\})$	747242496
18	$\mathcal{O}(3; \{2^7, 3, 6\})$	67931136
18	$\mathcal{O}(3; \{2^3, 3^4, 6\})$	339655680
18	$\mathcal{O}(3; \{2^4, 3^2, 6^2\})$	203793408
18	$\mathcal{O}(3; \{3^5, 6^2\})$	1426553856
18	$\mathcal{O}(3; \{2^5, 6^3\})$	67931136
18	$\mathcal{O}(3; \{2, 3^3, 6^3\})$	747242496
18	$\mathcal{O}(3; \{2^2, 3, 6^4\})$	339655680
18	$\mathcal{O}(3; \{6^6\})$	747242496
18	$\mathcal{O}(3; \{2^2, 3^2, 9^3\})$	2448880128
18	$\mathcal{O}(3; \{2^3, 6, 9^3\})$	1224440064
18	$\mathcal{O}(3; \{3, 6^2, 9^3\})$	4897760256
18	$\mathcal{O}(3; \{2^5, 3, 9, 18\})$	408146688
18	$\mathcal{O}(3; \{2, 3^4, 9, 18\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 3^2, 6, 9, 18\})$	1632586752
18	$\mathcal{O}(3; \{2^3, 6^2, 9, 18\})$	816293376
18	$\mathcal{O}(3; \{3, 6^3, 9, 18\})$	3265173504
18	$\mathcal{O}(3; \{2, 9^4, 18\})$	27549901440
18	$\mathcal{O}(3; \{3^2, 9^2, 18^2\})$	22039921152
18	$\mathcal{O}(3; \{2, 6, 9^2, 18^2\})$	11019960576
18	$\mathcal{O}(3; \{2^3, 3, 18^3\})$	1224440064
18	$\mathcal{O}(3; \{3^2, 6, 18^3\})$	4897760256
18	$\mathcal{O}(3; \{2, 6^2, 18^3\})$	2448880128
18	$\mathcal{O}(2; \{2^{14}\})$	103680
18	$\mathcal{O}(2; \{2^{10}, 3^3\})$	207360
18	$\mathcal{O}(2; \{2^6, 3^6\})$	2280960
18	$\mathcal{O}(2; \{2^2, 3^9\})$	17625600
18	$\mathcal{O}(2; \{2^{11}, 3, 6\})$	207360
18	$\mathcal{O}(2; \{2^7, 3^4, 6\})$	1036800
18	$\mathcal{O}(2; \{2^3, 3^7, 6\})$	8916480
18	$\mathcal{O}(2; \{2^8, 3^2, 6^2\})$	622080
18	$\mathcal{O}(2; \{2^4, 3^5, 6^2\})$	4354560
18	$\mathcal{O}(2; \{3^8, 6^2\})$	35458560
18	$\mathcal{O}(2; \{2^9, 6^3\})$	207360
18	$\mathcal{O}(2; \{2^5, 3^3, 6^3\})$	2280960
18	$\mathcal{O}(2; \{2, 3^6, 6^3\})$	17625600
18	$\mathcal{O}(2; \{2^6, 3, 6^4\})$	1036800

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^2, 3^4, 6^4\})$	8916480
18	$\mathcal{O}(2; \{2^3, 3^2, 6^5\})$	4354560
18	$\mathcal{O}(2; \{2^4, 6^6\})$	2280960
18	$\mathcal{O}(2; \{3^3, 6^6\})$	17625600
18	$\mathcal{O}(2; \{2, 3, 6^7\})$	8916480
18	$\mathcal{O}(2; \{2^6, 3^2, 9^3\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^5, 9^3\})$	60466176
18	$\mathcal{O}(2; \{2^7, 6, 9^3\})$	3779136
18	$\mathcal{O}(2; \{2^3, 3^3, 6, 9^3\})$	30233088
18	$\mathcal{O}(2; \{2^4, 3, 6^2, 9^3\})$	15116544
18	$\mathcal{O}(2; \{3^4, 6^2, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2, 3^2, 6^3, 9^3\})$	60466176
18	$\mathcal{O}(2; \{2^2, 6^4, 9^3\})$	30233088
18	$\mathcal{O}(2; \{2^2, 3, 9^6\})$	1122403392
18	$\mathcal{O}(2; \{6^2, 9^6\})$	2244806784
18	$\mathcal{O}(2; \{2^9, 3, 9, 18\})$	1259712
18	$\mathcal{O}(2; \{2^5, 3^4, 9, 18\})$	10077696
18	$\mathcal{O}(2; \{2, 3^7, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2^6, 3^2, 6, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3^5, 6, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^7, 6^2, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2^3, 3^3, 6^2, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{2^4, 3, 6^3, 9, 18\})$	10077696
18	$\mathcal{O}(2; \{3^4, 6^3, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2, 3^2, 6^4, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^2, 6^5, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{2^5, 9^4, 18\})$	85030560
18	$\mathcal{O}(2; \{2, 3^3, 9^4, 18\})$	680244480
18	$\mathcal{O}(2; \{2^2, 3, 6, 9^4, 18\})$	340122240
18	$\mathcal{O}(2; \{6^3, 9^4, 18\})$	680244480
18	$\mathcal{O}(2; \{2^4, 3^2, 9^2, 18^2\})$	68024448
18	$\mathcal{O}(2; \{3^5, 9^2, 18^2\})$	544195584
18	$\mathcal{O}(2; \{2^5, 6, 9^2, 18^2\})$	34012224
18	$\mathcal{O}(2; \{2, 3^3, 6, 9^2, 18^2\})$	272097792
18	$\mathcal{O}(2; \{2^2, 3, 6^2, 9^2, 18^2\})$	136048896
18	$\mathcal{O}(2; \{6^4, 9^2, 18^2\})$	272097792
18	$\mathcal{O}(2; \{3, 9^5, 18^2\})$	6428310336
18	$\mathcal{O}(2; \{2^7, 3, 18^3\})$	3779136
18	$\mathcal{O}(2; \{2^3, 3^4, 18^3\})$	30233088
18	$\mathcal{O}(2; \{2^4, 3^2, 6, 18^3\})$	15116544
18	$\mathcal{O}(2; \{3^5, 6, 18^3\})$	120932352
18	$\mathcal{O}(2; \{2^5, 6^2, 18^3\})$	7558272
18	$\mathcal{O}(2; \{2, 3^3, 6^2, 18^3\})$	60466176

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^2, 3, 6^3, 18^3\})$	30233088
18	$\mathcal{O}(2; \{6^5, 18^3\})$	60466176
18	$\mathcal{O}(2; \{2^3, 9^3, 18^3\})$	561201696
18	$\mathcal{O}(2; \{3, 6, 9^3, 18^3\})$	2244806784
18	$\mathcal{O}(2; \{2^2, 3^2, 9, 18^4\})$	340122240
18	$\mathcal{O}(2; \{2^3, 6, 9, 18^4\})$	170061120
18	$\mathcal{O}(2; \{3, 6^2, 9, 18^4\})$	680244480
18	$\mathcal{O}(2; \{2, 9^2, 18^5\})$	3214155168
18	$\mathcal{O}(2; \{3^2, 18^6\})$	2244806784
18	$\mathcal{O}(2; \{2, 6, 18^6\})$	1122403392
18	$\mathcal{O}(1; \{2^{18}\})$	288
18	$\mathcal{O}(1; \{2^{14}, 3^3\})$	576
18	$\mathcal{O}(1; \{2^{10}, 3^6\})$	6336
18	$\mathcal{O}(1; \{2^6, 3^9\})$	48960
18	$\mathcal{O}(1; \{2^2, 3^{12}\})$	393408
18	$\mathcal{O}(1; \{2^{15}, 3, 6\})$	576
18	$\mathcal{O}(1; \{2^{11}, 3^4, 6\})$	2880
18	$\mathcal{O}(1; \{2^7, 3^7, 6\})$	24768
18	$\mathcal{O}(1; \{2^3, 3^{10}, 6\})$	196416
18	$\mathcal{O}(1; \{2^{12}, 3^2, 6^2\})$	1728
18	$\mathcal{O}(1; \{2^8, 3^5, 6^2\})$	12096
18	$\mathcal{O}(1; \{2^4, 3^8, 6^2\})$	98496
18	$\mathcal{O}(1; \{3^{11}, 6^2\})$	786240
18	$\mathcal{O}(1; \{2^{13}, 6^3\})$	576
18	$\mathcal{O}(1; \{2^9, 3^3, 6^3\})$	6336
18	$\mathcal{O}(1; \{2^5, 3^6, 6^3\})$	48960
18	$\mathcal{O}(1; \{2, 3^9, 6^3\})$	393408
18	$\mathcal{O}(1; \{2^{10}, 3, 6^4\})$	2880
18	$\mathcal{O}(1; \{2^6, 3^4, 6^4\})$	24768
18	$\mathcal{O}(1; \{2^2, 3^7, 6^4\})$	196416
18	$\mathcal{O}(1; \{2^7, 3^2, 6^5\})$	12096
18	$\mathcal{O}(1; \{2^3, 3^5, 6^5\})$	98496
18	$\mathcal{O}(1; \{2^8, 6^6\})$	6336
18	$\mathcal{O}(1; \{2^4, 3^3, 6^6\})$	48960
18	$\mathcal{O}(1; \{3^6, 6^6\})$	393408
18	$\mathcal{O}(1; \{2^5, 3, 6^7\})$	24768
18	$\mathcal{O}(1; \{2, 3^4, 6^7\})$	196416
18	$\mathcal{O}(1; \{2^2, 3^2, 6^8\})$	98496
18	$\mathcal{O}(1; \{2^3, 6^9\})$	48960
18	$\mathcal{O}(1; \{3, 6^{10}\})$	196416
18	$\mathcal{O}(1; \{2^{10}, 3^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^5, 9^3\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^8, 9^3\})$	1492992

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^{11}, 6, 9^3\})$	11664
18	$\mathcal{O}(1; \{2^7, 3^3, 6, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^6, 6, 9^3\})$	746496
18	$\mathcal{O}(1; \{2^8, 3, 6^2, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^4, 6^2, 9^3\})$	373248
18	$\mathcal{O}(1; \{3^7, 6^2, 9^3\})$	2985984
18	$\mathcal{O}(1; \{2^5, 3^2, 6^3, 9^3\})$	186624
18	$\mathcal{O}(1; \{2, 3^5, 6^3, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^6, 6^4, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^3, 6^4, 9^3\})$	746496
18	$\mathcal{O}(1; \{2^3, 3, 6^5, 9^3\})$	373248
18	$\mathcal{O}(1; \{3^2, 6^6, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2, 6^7, 9^3\})$	746496
18	$\mathcal{O}(1; \{2^6, 3, 9^6\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^4, 9^6\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^6\})$	13856832
18	$\mathcal{O}(1; \{2^4, 6^2, 9^6\})$	6928416
18	$\mathcal{O}(1; \{3^3, 6^2, 9^6\})$	55427328
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^6\})$	27713664
18	$\mathcal{O}(1; \{2^2, 9^9\})$	361379880
18	$\mathcal{O}(1; \{2^{13}, 3, 9, 18\})$	3888
18	$\mathcal{O}(1; \{2^9, 3^4, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^7, 9, 18\})$	248832
18	$\mathcal{O}(1; \{2, 3^{10}, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^{10}, 3^2, 6, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^6, 3^5, 6, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^8, 6, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^{11}, 6^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2^7, 3^3, 6^2, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^6, 6^2, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2^8, 3, 6^3, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^4, 3^4, 6^3, 9, 18\})$	248832
18	$\mathcal{O}(1; \{3^7, 6^3, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^5, 3^2, 6^4, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2, 3^5, 6^4, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^6, 6^5, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^2, 3^3, 6^5, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2^3, 3, 6^6, 9, 18\})$	248832
18	$\mathcal{O}(1; \{3^2, 6^7, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2, 6^8, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2^9, 9^4, 18\})$	262440
18	$\mathcal{O}(1; \{2^5, 3^3, 9^4, 18\})$	2099520
18	$\mathcal{O}(1; \{2, 3^6, 9^4, 18\})$	16796160

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^6, 3, 6, 9^4, 18\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^4, 6, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 9^4, 18\})$	4199040
18	$\mathcal{O}(1; \{2^4, 6^3, 9^4, 18\})$	2099520
18	$\mathcal{O}(1; \{3^3, 6^3, 9^4, 18\})$	16796160
18	$\mathcal{O}(1; \{2, 3, 6^4, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2, 3^2, 9^7, 18\})$	243754272
18	$\mathcal{O}(1; \{2^2, 6, 9^7, 18\})$	121877136
18	$\mathcal{O}(1; \{2^8, 3^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^5, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{3^8, 9^2, 18^2\})$	13436928
18	$\mathcal{O}(1; \{2^9, 6, 9^2, 18^2\})$	104976
18	$\mathcal{O}(1; \{2^5, 3^3, 6, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{2, 3^6, 6, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^6, 3, 6^2, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{2^4, 6^4, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{3^3, 6^4, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2, 3, 6^5, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 9^5, 18^2\})$	19840464
18	$\mathcal{O}(1; \{3^4, 9^5, 18^2\})$	158723712
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^5, 18^2\})$	79361856
18	$\mathcal{O}(1; \{2^2, 6^2, 9^5, 18^2\})$	39680928
18	$\mathcal{O}(1; \{9^8, 18^2\})$	2181033864
18	$\mathcal{O}(1; \{2^{11}, 3, 18^3\})$	11664
18	$\mathcal{O}(1; \{2^7, 3^4, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^7, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^8, 3^2, 6, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^5, 6, 18^3\})$	373248
18	$\mathcal{O}(1; \{3^8, 6, 18^3\})$	2985984
18	$\mathcal{O}(1; \{2^9, 6^2, 18^3\})$	23328
18	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 18^3\})$	186624
18	$\mathcal{O}(1; \{2, 3^6, 6^2, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^6, 3, 6^3, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 18^3\})$	373248
18	$\mathcal{O}(1; \{2^4, 6^5, 18^3\})$	186624
18	$\mathcal{O}(1; \{3^3, 6^5, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2, 3, 6^6, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^7, 9^3, 18^3\})$	1732104
18	$\mathcal{O}(1; \{2^3, 3^3, 9^3, 18^3\})$	13856832
18	$\mathcal{O}(1; \{2^4, 3, 6, 9^3, 18^3\})$	6928416

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{3^4, 6, 9^3, 18^3\})$	55427328
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9^3, 18^3\})$	27713664
18	$\mathcal{O}(1; \{2^2, 6^3, 9^3, 18^3\})$	13856832
18	$\mathcal{O}(1; \{6, 9^6, 18^3\})$	722759760
18	$\mathcal{O}(1; \{2^6, 3^2, 9, 18^4\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^5, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{2^7, 6, 9, 18^4\})$	524880
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9, 18^4\})$	4199040
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9, 18^4\})$	2099520
18	$\mathcal{O}(1; \{3^4, 6^2, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{2^2, 6^4, 9, 18^4\})$	4199040
18	$\mathcal{O}(1; \{2^2, 3, 9^4, 18^4\})$	121877136
18	$\mathcal{O}(1; \{6^2, 9^4, 18^4\})$	243754272
18	$\mathcal{O}(1; \{2^5, 9^2, 18^5\})$	9920232
18	$\mathcal{O}(1; \{2, 3^3, 9^2, 18^5\})$	79361856
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^2, 18^5\})$	39680928
18	$\mathcal{O}(1; \{6^3, 9^2, 18^5\})$	79361856
18	$\mathcal{O}(1; \{2^4, 3^2, 18^6\})$	6928416
18	$\mathcal{O}(1; \{3^5, 18^6\})$	55427328
18	$\mathcal{O}(1; \{2^5, 6, 18^6\})$	3464208
18	$\mathcal{O}(1; \{2, 3^3, 6, 18^6\})$	27713664
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 18^6\})$	13856832
18	$\mathcal{O}(1; \{6^4, 18^6\})$	27713664
18	$\mathcal{O}(1; \{3, 9^3, 18^6\})$	722759760
18	$\mathcal{O}(1; \{2^3, 9, 18^7\})$	60938568
18	$\mathcal{O}(1; \{3, 6, 9, 18^7\})$	243754272
18	$\mathcal{O}(1; \{2, 18^9\})$	361379880
18	$\mathcal{O}(0; \{2^{14}, 3^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^{10}, 3^5, 9^3\})$	576
18	$\mathcal{O}(0; \{2^6, 3^8, 9^3\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^{11}, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^{15}, 6, 9^3\})$	36
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6, 9^3\})$	288
18	$\mathcal{O}(0; \{2^7, 3^6, 6, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^9, 6, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 3, 6^2, 9^3\})$	144
18	$\mathcal{O}(0; \{2^8, 3^4, 6^2, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^7, 6^2, 9^3\})$	9216
18	$\mathcal{O}(0; \{3^{10}, 6^2, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^9, 3^2, 6^3, 9^3\})$	576
18	$\mathcal{O}(0; \{2^5, 3^5, 6^3, 9^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^8, 6^3, 9^3\})$	36864

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{10}, 6^4, 9^3\})$	288
18	$\mathcal{O}(0; \{2^6, 3^3, 6^4, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^6, 6^4, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^7, 3, 6^5, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^4, 6^5, 9^3\})$	9216
18	$\mathcal{O}(0; \{2^4, 3^2, 6^6, 9^3\})$	4608
18	$\mathcal{O}(0; \{3^5, 6^6, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^5, 6^7, 9^3\})$	2304
18	$\mathcal{O}(0; \{2, 3^3, 6^7, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^2, 3, 6^8, 9^3\})$	9216
18	$\mathcal{O}(0; \{6^{10}, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^{10}, 3, 9^6\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^4, 9^6\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^7, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^6\})$	342144
18	$\mathcal{O}(0; \{2^8, 6^2, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^6\})$	171072
18	$\mathcal{O}(0; \{3^6, 6^2, 9^6\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^6\})$	85536
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^6\})$	342144
18	$\mathcal{O}(0; \{2^3, 6^5, 9^6\})$	171072
18	$\mathcal{O}(0; \{3, 6^6, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^6, 9^9\})$	1115370
18	$\mathcal{O}(0; \{2^2, 3^3, 9^9\})$	8922960
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^9\})$	4461480
18	$\mathcal{O}(0; \{3^2, 6^2, 9^9\})$	17845920
18	$\mathcal{O}(0; \{2, 6^3, 9^9\})$	8922960
18	$\mathcal{O}(0; \{2^{17}, 3, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^{13}, 3^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^9, 3^7, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^5, 3^{10}, 9, 18\})$	6144
18	$\mathcal{O}(0; \{2, 3^{13}, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^{14}, 3^2, 6, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^{10}, 3^5, 6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^6, 3^8, 6, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^{11}, 6, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{15}, 6^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6^2, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^7, 3^6, 6^2, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^9, 6^2, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^{12}, 3, 6^3, 9, 18\})$	96

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3^4, 6^3, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^4, 3^7, 6^3, 9, 18\})$	6144
18	$\mathcal{O}(0; \{3^{10}, 6^3, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^9, 3^2, 6^4, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^5, 3^5, 6^4, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2, 3^8, 6^4, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{10}, 6^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^6, 3^3, 6^5, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^6, 6^5, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^7, 3, 6^6, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^3, 3^4, 6^6, 9, 18\})$	6144
18	$\mathcal{O}(0; \{2^4, 3^2, 6^7, 9, 18\})$	3072
18	$\mathcal{O}(0; \{3^5, 6^7, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^5, 6^8, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2, 3^3, 6^8, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^2, 3, 6^9, 9, 18\})$	6144
18	$\mathcal{O}(0; \{6^{11}, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^{13}, 9^4, 18\})$	810
18	$\mathcal{O}(0; \{2^9, 3^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^6, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{2, 3^9, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 3, 6, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^4, 6, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^7, 6, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{2^8, 6^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{3^6, 6^3, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2^5, 3, 6^4, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2, 3^4, 6^4, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{2^3, 6^6, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{3, 6^7, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^5, 3^2, 9^7, 18\})$	752328
18	$\mathcal{O}(0; \{2, 3^5, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2^6, 6, 9^7, 18\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^7, 18\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^7, 18\})$	1504656
18	$\mathcal{O}(0; \{3^2, 6^3, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2, 6^4, 9^7, 18\})$	3009312
18	$\mathcal{O}(0; \{2, 3, 9^{10}, 18\})$	80542836
18	$\mathcal{O}(0; \{2^{12}, 3^2, 9^2, 18^2\})$	648

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3^5, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^8, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{3^{11}, 9^2, 18^2\})$	331776
18	$\mathcal{O}(0; \{2^{13}, 6, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^9, 3^3, 6, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^6, 6, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2, 3^9, 6, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{2^8, 6^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{3^6, 6^4, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^5, 3, 6^5, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2, 3^4, 6^5, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{2^3, 6^7, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{3, 6^8, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 9^5, 18^2\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^4, 9^5, 18^2\})$	489888
18	$\mathcal{O}(0; \{3^7, 9^5, 18^2\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^5, 18^2\})$	244944
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^6, 6^2, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^5, 18^2\})$	489888
18	$\mathcal{O}(0; \{3^2, 6^4, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2, 6^5, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{2^4, 9^8, 18^2\})$	6731586
18	$\mathcal{O}(0; \{3^3, 9^8, 18^2\})$	53852688
18	$\mathcal{O}(0; \{2, 3, 6, 9^8, 18^2\})$	26926344
18	$\mathcal{O}(0; \{2^{15}, 3, 18^3\})$	36
18	$\mathcal{O}(0; \{2^{11}, 3^4, 18^3\})$	288
18	$\mathcal{O}(0; \{2^7, 3^7, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^{10}, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 18^3\})$	144
18	$\mathcal{O}(0; \{2^8, 3^5, 6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^8, 6, 18^3\})$	9216
18	$\mathcal{O}(0; \{3^{11}, 6, 18^3\})$	73728
18	$\mathcal{O}(0; \{2^{13}, 6^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 18^3\})$	576

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 18^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^9, 6^2, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 18^3\})$	288
18	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 18^3\})$	9216
18	$\mathcal{O}(0; \{2^8, 6^5, 18^3\})$	576
18	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 18^3\})$	4608
18	$\mathcal{O}(0; \{3^6, 6^5, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^5, 3, 6^6, 18^3\})$	2304
18	$\mathcal{O}(0; \{2, 3^4, 6^6, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 18^3\})$	9216
18	$\mathcal{O}(0; \{2^3, 6^8, 18^3\})$	4608
18	$\mathcal{O}(0; \{3, 6^9, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^{11}, 9^3, 18^3\})$	5346
18	$\mathcal{O}(0; \{2^7, 3^3, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^6, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{2^8, 3, 6, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{3^7, 6, 9^3, 18^3\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^6, 6^3, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{3^2, 6^5, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2, 6^6, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{2^3, 3^2, 9^6, 18^3\})$	4461480
18	$\mathcal{O}(0; \{2^4, 6, 9^6, 18^3\})$	2230740
18	$\mathcal{O}(0; \{3^3, 6, 9^6, 18^3\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^6, 18^3\})$	8922960
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^5, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^8, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^{11}, 6, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{3^7, 6^2, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9, 18^4\})$	207360

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 6^4, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{3^2, 6^6, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2, 6^7, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{2^6, 3, 9^4, 18^4\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^4, 9^4, 18^4\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^4, 18^4\})$	1504656
18	$\mathcal{O}(0; \{2^4, 6^2, 9^4, 18^4\})$	752328
18	$\mathcal{O}(0; \{3^3, 6^2, 9^4, 18^4\})$	6018624
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^4, 18^4\})$	3009312
18	$\mathcal{O}(0; \{2^2, 9^7, 18^4\})$	40271418
18	$\mathcal{O}(0; \{2^9, 9^2, 18^5\})$	30618
18	$\mathcal{O}(0; \{2^5, 3^3, 9^2, 18^5\})$	244944
18	$\mathcal{O}(0; \{2, 3^6, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^2, 18^5\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^2, 18^5\})$	489888
18	$\mathcal{O}(0; \{2^4, 6^3, 9^2, 18^5\})$	244944
18	$\mathcal{O}(0; \{3^3, 6^3, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2, 3^2, 9^5, 18^5\})$	26926344
18	$\mathcal{O}(0; \{2^2, 6, 9^5, 18^5\})$	13463172
18	$\mathcal{O}(0; \{2^8, 3^2, 18^6\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^5, 18^6\})$	171072
18	$\mathcal{O}(0; \{3^8, 18^6\})$	1368576
18	$\mathcal{O}(0; \{2^9, 6, 18^6\})$	10692
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 18^6\})$	85536
18	$\mathcal{O}(0; \{2, 3^6, 6, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 18^6\})$	42768
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 18^6\})$	171072
18	$\mathcal{O}(0; \{2^4, 6^4, 18^6\})$	85536
18	$\mathcal{O}(0; \{3^3, 6^4, 18^6\})$	684288
18	$\mathcal{O}(0; \{2, 3, 6^5, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 9^3, 18^6\})$	2230740
18	$\mathcal{O}(0; \{3^4, 9^3, 18^6\})$	17845920
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^3, 18^6\})$	8922960
18	$\mathcal{O}(0; \{2^2, 6^2, 9^3, 18^6\})$	4461480
18	$\mathcal{O}(0; \{9^6, 18^6\})$	241982802
18	$\mathcal{O}(0; \{2^7, 9, 18^7\})$	188082
18	$\mathcal{O}(0; \{2^3, 3^3, 9, 18^7\})$	1504656
18	$\mathcal{O}(0; \{2^4, 3, 6, 9, 18^7\})$	752328

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^4, 6, 9, 18^7\})$	6018624
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9, 18^7\})$	3009312
18	$\mathcal{O}(0; \{2^2, 6^3, 9, 18^7\})$	1504656
18	$\mathcal{O}(0; \{6, 9^4, 18^7\})$	80542836
18	$\mathcal{O}(0; \{2^2, 3, 9^2, 18^8\})$	13463172
18	$\mathcal{O}(0; \{6^2, 9^2, 18^8\})$	26926344
18	$\mathcal{O}(0; \{2^5, 18^9\})$	1115370
18	$\mathcal{O}(0; \{2, 3^3, 18^9\})$	8922960
18	$\mathcal{O}(0; \{2^2, 3, 6, 18^9\})$	4461480
18	$\mathcal{O}(0; \{6^3, 18^9\})$	8922960
18	$\mathcal{O}(0; \{3, 9, 18^{10}\})$	80542836
19	$\mathcal{O}(1; \{19^9\})$	3768826516650
20	$\mathcal{O}(3; \{2^2, 4^2, 5^2\})$	512000000
20	$\mathcal{O}(3; \{4^2, 5, 10^2\})$	1536000000
20	$\mathcal{O}(3; \{4, 5^3, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^3, 4, 10, 20\})$	512000000
20	$\mathcal{O}(3; \{4^3, 10, 20\})$	2048000000
20	$\mathcal{O}(3; \{2, 5, 10, 20^2\})$	6656000000
20	$\mathcal{O}(3; \{2, 4, 20^3\})$	6144000000
20	$\mathcal{O}(2; \{2^6, 4^2, 5^2\})$	1280000
20	$\mathcal{O}(2; \{2^3, 4^4, 5^2\})$	5120000
20	$\mathcal{O}(2; \{4^6, 5^2\})$	20480000
20	$\mathcal{O}(2; \{2, 4^2, 5^4, 10\})$	65280000
20	$\mathcal{O}(2; \{2^4, 4^2, 5, 10^2\})$	3840000
20	$\mathcal{O}(2; \{2, 4^4, 5, 10^2\})$	15360000
20	$\mathcal{O}(2; \{2^2, 4^2, 10^4\})$	16640000
20	$\mathcal{O}(2; \{2^4, 4, 5^3, 20\})$	16640000
20	$\mathcal{O}(2; \{2, 4^3, 5^3, 20\})$	66560000
20	$\mathcal{O}(2; \{2^7, 4, 10, 20\})$	1280000
20	$\mathcal{O}(2; \{2^4, 4^3, 10, 20\})$	5120000
20	$\mathcal{O}(2; \{2, 4^5, 10, 20\})$	20480000
20	$\mathcal{O}(2; \{2^2, 4, 5^2, 10^2, 20\})$	65280000
20	$\mathcal{O}(2; \{4, 5, 10^4, 20\})$	262400000
20	$\mathcal{O}(2; \{2^2, 5^4, 20^2\})$	262400000
20	$\mathcal{O}(2; \{2^5, 5, 10, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^2, 5, 10, 20^2\})$	66560000
20	$\mathcal{O}(2; \{5^3, 10^2, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 10^3, 20^2\})$	65280000
20	$\mathcal{O}(2; \{4^2, 10^3, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^5, 4, 20^3\})$	15360000
20	$\mathcal{O}(2; \{2^2, 4^3, 20^3\})$	61440000
20	$\mathcal{O}(2; \{4, 5^2, 10, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^3, 5, 20^4\})$	261120000

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{4^2, 5, 20^4\})$	1044480000
20	$\mathcal{O}(2; \{2, 10^2, 20^4\})$	1049600000
20	$\mathcal{O}(1; \{2^{10}, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{2^7, 4^4, 5^2\})$	12800
20	$\mathcal{O}(1; \{2^4, 4^6, 5^2\})$	51200
20	$\mathcal{O}(1; \{2, 4^8, 5^2\})$	204800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^7\})$	2620800
20	$\mathcal{O}(1; \{2^5, 4^2, 5^4, 10\})$	163200
20	$\mathcal{O}(1; \{2^2, 4^4, 5^4, 10\})$	652800
20	$\mathcal{O}(1; \{2^8, 4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{2^5, 4^4, 5, 10^2\})$	38400
20	$\mathcal{O}(1; \{2^2, 4^6, 5, 10^2\})$	153600
20	$\mathcal{O}(1; \{4^2, 5^6, 10^2\})$	10486400
20	$\mathcal{O}(1; \{2^3, 4^2, 5^3, 10^3\})$	656000
20	$\mathcal{O}(1; \{4^4, 5^3, 10^3\})$	2624000
20	$\mathcal{O}(1; \{2^6, 4^2, 10^4\})$	41600
20	$\mathcal{O}(1; \{2^3, 4^4, 10^4\})$	166400
20	$\mathcal{O}(1; \{4^6, 10^4\})$	665600
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 10^5\})$	2620800
20	$\mathcal{O}(1; \{2^8, 4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^3, 5^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^5, 5^3, 20\})$	665600
20	$\mathcal{O}(1; \{4, 5^8, 20\})$	41942400
20	$\mathcal{O}(1; \{2^{11}, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{2^8, 4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{2^5, 4^5, 10, 20\})$	51200
20	$\mathcal{O}(1; \{2^2, 4^7, 10, 20\})$	204800
20	$\mathcal{O}(1; \{2^3, 4, 5^5, 10, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5^5, 10, 20\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4, 5^2, 10^2, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^3, 5^2, 10^2, 20\})$	652800
20	$\mathcal{O}(1; \{4^5, 5^2, 10^2, 20\})$	2611200
20	$\mathcal{O}(1; \{2, 4, 5^4, 10^3, 20\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4, 5, 10^4, 20\})$	656000
20	$\mathcal{O}(1; \{2, 4^3, 5, 10^4, 20\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4, 10^6, 20\})$	2620800
20	$\mathcal{O}(1; \{2^6, 5^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^2, 5^4, 20^2\})$	2624000
20	$\mathcal{O}(1; \{4^4, 5^4, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^9, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^2, 5, 10, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^4, 5, 10, 20^2\})$	665600
20	$\mathcal{O}(1; \{4^6, 5, 10, 20^2\})$	2662400

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 5^6, 10, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 5^3, 10^2, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2, 4^2, 5^3, 10^2, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^7, 10^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^2, 10^3, 20^2\})$	652800
20	$\mathcal{O}(1; \{2, 4^4, 10^3, 20^2\})$	2611200
20	$\mathcal{O}(1; \{2^2, 5^2, 10^4, 20^2\})$	10486400
20	$\mathcal{O}(1; \{5, 10^6, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^9, 4, 20^3\})$	38400
20	$\mathcal{O}(1; \{2^6, 4^3, 20^3\})$	153600
20	$\mathcal{O}(1; \{2^3, 4^5, 20^3\})$	614400
20	$\mathcal{O}(1; \{4^7, 20^3\})$	2457600
20	$\mathcal{O}(1; \{2, 4, 5^5, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^4, 4, 5^2, 10, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2, 4^3, 5^2, 10, 20^3\})$	10496000
20	$\mathcal{O}(1; \{2^2, 4, 5, 10^3, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4, 10^5, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^7, 5, 20^4\})$	652800
20	$\mathcal{O}(1; \{2^4, 4^2, 5, 20^4\})$	2611200
20	$\mathcal{O}(1; \{2, 4^4, 5, 20^4\})$	10444800
20	$\mathcal{O}(1; \{2^2, 5^3, 10, 20^4\})$	41945600
20	$\mathcal{O}(1; \{2^5, 10^2, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^2, 10^2, 20^4\})$	10496000
20	$\mathcal{O}(1; \{5^2, 10^3, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 20^5\})$	41932800
20	$\mathcal{O}(1; \{4, 5, 10^2, 20^5\})$	167782400
20	$\mathcal{O}(1; \{5^3, 20^6\})$	671078400
20	$\mathcal{O}(1; \{2^3, 10, 20^6\})$	41932800
20	$\mathcal{O}(1; \{4^2, 10, 20^6\})$	167731200
20	$\mathcal{O}(1; \{2, 20^8\})$	671129600
20	$\mathcal{O}(0; \{2^{14}, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{2^{11}, 4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{2^8, 4^6, 5^2\})$	128
20	$\mathcal{O}(0; \{2^5, 4^8, 5^2\})$	512
20	$\mathcal{O}(0; \{2^2, 4^{10}, 5^2\})$	2048
20	$\mathcal{O}(0; \{2^6, 4^2, 5^7\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 5^7\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^7\})$	104832
20	$\mathcal{O}(0; \{2^9, 4^2, 5^4, 10\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 5^4, 10\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 5^4, 10\})$	6528
20	$\mathcal{O}(0; \{4^8, 5^4, 10\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^9, 10\})$	419432

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2^9, 4^4, 5, 10^2\})$	96
20	$\mathcal{O}(0; \{2^6, 4^6, 5, 10^2\})$	384
20	$\mathcal{O}(0; \{2^3, 4^8, 5, 10^2\})$	1536
20	$\mathcal{O}(0; \{4^{10}, 5, 10^2\})$	6144
20	$\mathcal{O}(0; \{2^4, 4^2, 5^6, 10^2\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^6, 10^2\})$	104864
20	$\mathcal{O}(0; \{2^7, 4^2, 5^3, 10^3\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^4, 5^3, 10^3\})$	6560
20	$\mathcal{O}(0; \{2, 4^6, 5^3, 10^3\})$	26240
20	$\mathcal{O}(0; \{2^{10}, 4^2, 10^4\})$	104
20	$\mathcal{O}(0; \{2^7, 4^4, 10^4\})$	416
20	$\mathcal{O}(0; \{2^4, 4^6, 10^4\})$	1664
20	$\mathcal{O}(0; \{2, 4^8, 10^4\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^2, 5^5, 10^4\})$	104856
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 10^5\})$	6552
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 10^5\})$	26208
20	$\mathcal{O}(0; \{4^2, 5^4, 10^6\})$	419432
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^7\})$	26216
20	$\mathcal{O}(0; \{4^4, 5, 10^7\})$	104864
20	$\mathcal{O}(0; \{2, 4^2, 10^9\})$	104856
20	$\mathcal{O}(0; \{2^{12}, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^9, 4^3, 5^3, 20\})$	416
20	$\mathcal{O}(0; \{2^6, 4^5, 5^3, 20\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^7, 5^3, 20\})$	6656
20	$\mathcal{O}(0; \{4^9, 5^3, 20\})$	26624
20	$\mathcal{O}(0; \{2^4, 4, 5^8, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^8, 20\})$	419424
20	$\mathcal{O}(0; \{2^{15}, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2^{12}, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2^9, 4^5, 10, 20\})$	128
20	$\mathcal{O}(0; \{2^6, 4^7, 10, 20\})$	512
20	$\mathcal{O}(0; \{2^3, 4^9, 10, 20\})$	2048
20	$\mathcal{O}(0; \{4^{11}, 10, 20\})$	8192
20	$\mathcal{O}(0; \{2^7, 4, 5^5, 10, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5^5, 10, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5^5, 10, 20\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4, 5^2, 10^2, 20\})$	408
20	$\mathcal{O}(0; \{2^7, 4^3, 5^2, 10^2, 20\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^5, 5^2, 10^2, 20\})$	6528
20	$\mathcal{O}(0; \{2, 4^7, 5^2, 10^2, 20\})$	26112
20	$\mathcal{O}(0; \{2^2, 4, 5^7, 10^2, 20\})$	419432
20	$\mathcal{O}(0; \{2^5, 4, 5^4, 10^3, 20\})$	26216

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^3, 5^4, 10^3, 20\})$	104864
20	$\mathcal{O}(0; \{2^8, 4, 5, 10^4, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^3, 5, 10^4, 20\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^5, 5, 10^4, 20\})$	26240
20	$\mathcal{O}(0; \{4, 5^6, 10^4, 20\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 10^5, 20\})$	104856
20	$\mathcal{O}(0; \{4^3, 5^3, 10^5, 20\})$	419424
20	$\mathcal{O}(0; \{2^6, 4, 10^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^3, 10^6, 20\})$	26208
20	$\mathcal{O}(0; \{4^5, 10^6, 20\})$	104832
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^7, 20\})$	419432
20	$\mathcal{O}(0; \{2^{10}, 5^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^2, 5^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^4, 5^4, 20^2\})$	26240
20	$\mathcal{O}(0; \{2, 4^6, 5^4, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^2, 5^9, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^{13}, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5, 10, 20^2\})$	416
20	$\mathcal{O}(0; \{2^7, 4^4, 5, 10, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^6, 5, 10, 20^2\})$	6656
20	$\mathcal{O}(0; \{2, 4^8, 5, 10, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^5, 5^6, 10, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^6, 10, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^8, 5^3, 10^2, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3, 10^2, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3, 10^2, 20^2\})$	104832
20	$\mathcal{O}(0; \{5^8, 10^2, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^8, 4^2, 10^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^4, 10^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^6, 10^3, 20^2\})$	26112
20	$\mathcal{O}(0; \{2^3, 5^5, 10^3, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5^5, 10^3, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^6, 5^2, 10^4, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^4, 20^2\})$	104864
20	$\mathcal{O}(0; \{4^4, 5^2, 10^4, 20^2\})$	419456
20	$\mathcal{O}(0; \{2, 5^4, 10^5, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^4, 5, 10^6, 20^2\})$	104856
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^6, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^2, 10^8, 20^2\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{2^{10}, 4^3, 20^3\})$	384
20	$\mathcal{O}(0; \{2^7, 4^5, 20^3\})$	1536

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^4, 4^7, 20^3\})$	6144
20	$\mathcal{O}(0; \{2, 4^9, 20^3\})$	24576
20	$\mathcal{O}(0; \{2^5, 4, 5^5, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 5^5, 20^3\})$	419456
20	$\mathcal{O}(0; \{2^8, 4, 5^2, 10, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^3, 5^2, 10, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^5, 5^2, 10, 20^3\})$	104960
20	$\mathcal{O}(0; \{4, 5^7, 10, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 10^2, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 5^4, 10^2, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^6, 4, 5, 10^3, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10^3, 20^3\})$	104832
20	$\mathcal{O}(0; \{4^5, 5, 10^3, 20^3\})$	419328
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^4, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^4, 4, 10^5, 20^3\})$	104864
20	$\mathcal{O}(0; \{2, 4^3, 10^5, 20^3\})$	419456
20	$\mathcal{O}(0; \{2^{11}, 5, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^8, 4^2, 5, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^5, 4^4, 5, 20^4\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^6, 5, 20^4\})$	104448
20	$\mathcal{O}(0; \{2^3, 5^6, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 5^6, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^6, 5^3, 10, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10, 20^4\})$	419456
20	$\mathcal{O}(0; \{4^4, 5^3, 10, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^9, 10^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^2, 10^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^4, 10^2, 20^4\})$	104960
20	$\mathcal{O}(0; \{4^6, 10^2, 20^4\})$	419840
20	$\mathcal{O}(0; \{2, 5^5, 10^2, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^4, 5^2, 10^3, 20^4\})$	419424
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^3, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^2, 5, 10^5, 20^4\})$	1677728
20	$\mathcal{O}(0; \{10^7, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 20^5\})$	419328
20	$\mathcal{O}(0; \{4^5, 5^2, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2, 4, 5^4, 10, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^2, 20^5\})$	419456
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^2, 20^5\})$	1677824
20	$\mathcal{O}(0; \{2^2, 4, 10^4, 20^5\})$	1677696
20	$\mathcal{O}(0; \{2^4, 5^3, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 20^6\})$	6710784

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^7, 10, 20^6\})$	104832
20	$\mathcal{O}(0; \{2^4, 4^2, 10, 20^6\})$	419328
20	$\mathcal{O}(0; \{2, 4^4, 10, 20^6\})$	1677312
20	$\mathcal{O}(0; \{2^2, 5^2, 10^2, 20^6\})$	6710912
20	$\mathcal{O}(0; \{5, 10^4, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^2, 4, 5, 10, 20^7\})$	6710784
20	$\mathcal{O}(0; \{4, 10^3, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2^5, 20^8\})$	1677824
20	$\mathcal{O}(0; \{2^2, 4^2, 20^8\})$	6711296
20	$\mathcal{O}(0; \{5^2, 10, 20^8\})$	107374080
20	$\mathcal{O}(0; \{4, 5, 20^9\})$	107374592
21	$\mathcal{O}(4; \{7^2\})$	226902567360
21	$\mathcal{O}(3; \{3^3, 7^2\})$	1029193452
21	$\mathcal{O}(3; \{7, 21^3\})$	31904997012
21	$\mathcal{O}(2; \{3^6, 7^2\})$	25671492
21	$\mathcal{O}(2; \{3^2, 7^4, 21\})$	431747820
21	$\mathcal{O}(2; \{3^3, 7, 21^3\})$	795816252
21	$\mathcal{O}(2; \{21^6\})$	28521027612
21	$\mathcal{O}(1; \{3^9, 7^2\})$	449820
21	$\mathcal{O}(1; \{7^9\})$	564350640
21	$\mathcal{O}(1; \{3^5, 7^4, 21\})$	10769220
21	$\mathcal{O}(1; \{3, 7^6, 21^2\})$	211632372
21	$\mathcal{O}(1; \{3^6, 7, 21^3\})$	13944420
21	$\mathcal{O}(1; \{3^2, 7^3, 21^4\})$	387982980
21	$\mathcal{O}(1; \{3^3, 21^6\})$	499750020
21	$\mathcal{O}(0; \{3^{12}, 7^2\})$	8196
21	$\mathcal{O}(0; \{3^3, 7^9\})$	2879340
21	$\mathcal{O}(0; \{3^8, 7^4, 21\})$	188700
21	$\mathcal{O}(0; \{3^4, 7^6, 21^2\})$	5278812
21	$\mathcal{O}(0; \{3^9, 7, 21^3\})$	254076
21	$\mathcal{O}(0; \{7^8, 21^3\})$	103656300
21	$\mathcal{O}(0; \{3^5, 7^3, 21^4\})$	6798300
21	$\mathcal{O}(0; \{3, 7^5, 21^5\})$	190036572
21	$\mathcal{O}(0; \{3^6, 21^6\})$	9105756
21	$\mathcal{O}(0; \{3^2, 7^2, 21^7\})$	244743900
22	$\mathcal{O}(3; \{2^3, 11, 22\})$	1133799040
22	$\mathcal{O}(3; \{2, 22^3\})$	10204191360
22	$\mathcal{O}(2; \{2^7, 11, 22\})$	2342560
22	$\mathcal{O}(2; \{2^5, 22^3\})$	21083040
22	$\mathcal{O}(1; \{2^2, 11^7\})$	439999560
22	$\mathcal{O}(1; \{2^{11}, 11, 22\})$	4840
22	$\mathcal{O}(1; \{11^6, 22^2\})$	440000440
22	$\mathcal{O}(1; \{2^9, 22^3\})$	43560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
22	$\mathcal{O}(0; \{2^6, 11^7\})$	909090
22	$\mathcal{O}(0; \{2^{15}, 11, 22\})$	10
22	$\mathcal{O}(0; \{2^4, 11^6, 22^2\})$	9090910
22	$\mathcal{O}(0; \{2^{13}, 22^3\})$	90
22	$\mathcal{O}(0; \{2^2, 11^5, 22^4\})$	90909090
22	$\mathcal{O}(0; \{11^4, 22^6\})$	909090910
24	$\mathcal{O}(3; \{2^2, 8^2\})$	763363328
24	$\mathcal{O}(3; \{8, 12, 24\})$	3057647616
24	$\mathcal{O}(3; \{6, 24^2\})$	1528823808
24	$\mathcal{O}(2; \{2^6, 8^2\})$	1310720
24	$\mathcal{O}(2; \{2^2, 3^3, 8^2\})$	2654208
24	$\mathcal{O}(2; \{2^3, 4^2, 8^2\})$	5242880
24	$\mathcal{O}(2; \{4^4, 8^2\})$	20971520
24	$\mathcal{O}(2; \{2^3, 3, 6, 8^2\})$	2654208
24	$\mathcal{O}(2; \{3, 4^2, 6, 8^2\})$	10616832
24	$\mathcal{O}(2; \{3^2, 6^2, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2, 6^3, 8^2\})$	2654208
24	$\mathcal{O}(2; \{2, 4, 8^4\})$	41943040
24	$\mathcal{O}(2; \{3^2, 4, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{2, 4, 6, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{2, 3, 8^2, 12^2\})$	10616832
24	$\mathcal{O}(2; \{2^3, 3, 4, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{3, 4^3, 8, 24\})$	21233664
24	$\mathcal{O}(2; \{3^2, 4, 6, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{2, 4, 6^2, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{2, 3, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2^4, 8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{3^3, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{2, 4^2, 8, 12, 24\})$	21233664
24	$\mathcal{O}(2; \{2, 3, 6, 8, 12, 24\})$	15925248
24	$\mathcal{O}(2; \{2^3, 3^2, 24^2\})$	7962624
24	$\mathcal{O}(2; \{3^2, 4^2, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2^4, 6, 24^2\})$	2654208
24	$\mathcal{O}(2; \{3^3, 6, 24^2\})$	29196288
24	$\mathcal{O}(2; \{2, 4^2, 6, 24^2\})$	10616832
24	$\mathcal{O}(2; \{2, 3, 6^2, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2, 3, 4, 12, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2^2, 12^2, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2^2, 8, 24^3\})$	42467328
24	$\mathcal{O}(2; \{12, 24^4\})$	424673280
24	$\mathcal{O}(1; \{2^{10}, 8^2\})$	2048
24	$\mathcal{O}(1; \{2^6, 3^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 3^6, 8^2\})$	50688

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^7, 4^2, 8^2\})$	8192
24	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{2^4, 4^4, 8^2\})$	32768
24	$\mathcal{O}(1; \{3^3, 4^4, 8^2\})$	73728
24	$\mathcal{O}(1; \{2, 4^6, 8^2\})$	131072
24	$\mathcal{O}(1; \{2^7, 3, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^4, 6, 8^2\})$	23040
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^4, 4^2, 6, 8^2\})$	92160
24	$\mathcal{O}(1; \{2, 3, 4^4, 6, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 8^2\})$	13824
24	$\mathcal{O}(1; \{3^5, 6^2, 8^2\})$	96768
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 8^2\})$	55296
24	$\mathcal{O}(1; \{2^5, 6^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2, 3^3, 6^3, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 8^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3, 6^4, 8^2\})$	23040
24	$\mathcal{O}(1; \{6^6, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^5, 4, 8^4\})$	65536
24	$\mathcal{O}(1; \{2, 3^3, 4, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^2, 4^3, 8^4\})$	262144
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8^4\})$	147456
24	$\mathcal{O}(1; \{4, 6^3, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^3, 8^6\})$	524288
24	$\mathcal{O}(1; \{4^2, 8^6\})$	2097152
24	$\mathcal{O}(1; \{3, 6, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{3^5, 4, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2^5, 4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 4, 6, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^2, 4^3, 6, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{4, 6^4, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^2, 3^2, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{2^3, 6, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{4^2, 6, 8^4, 12\})$	589824
24	$\mathcal{O}(1; \{3, 6^2, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^5, 3, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^4, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 8^2, 12^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{2^3, 6^2, 8^2, 12^2\})$	55296

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{4^2, 6^2, 8^2, 12^2\})$	221184
24	$\mathcal{O}(1; \{3, 6^3, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{3, 4, 8^4, 12^2\})$	589824
24	$\mathcal{O}(1; \{2^3, 4, 8^2, 12^3\})$	73728
24	$\mathcal{O}(1; \{4^3, 8^2, 12^3\})$	294912
24	$\mathcal{O}(1; \{3, 4, 6, 8^2, 12^3\})$	368640
24	$\mathcal{O}(1; \{2, 8^4, 12^3\})$	589824
24	$\mathcal{O}(1; \{3^2, 8^2, 12^4\})$	811008
24	$\mathcal{O}(1; \{2, 6, 8^2, 12^4\})$	368640
24	$\mathcal{O}(1; \{2^7, 3, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^4, 4, 8, 24\})$	46080
24	$\mathcal{O}(1; \{2^4, 3, 4^3, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3^4, 4^3, 8, 24\})$	184320
24	$\mathcal{O}(1; \{2, 3, 4^5, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 6, 8, 24\})$	27648
24	$\mathcal{O}(1; \{3^5, 4, 6, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 6, 8, 24\})$	110592
24	$\mathcal{O}(1; \{2^5, 4, 6^2, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2, 3^3, 4, 6^2, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^2, 4^3, 6^2, 8, 24\})$	36864
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^3, 8, 24\})$	46080
24	$\mathcal{O}(1; \{4, 6^3, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^5, 3, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2, 3^4, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{2^3, 6^2, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{4^2, 6^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{3, 6^3, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{3, 4, 8^5, 24\})$	2359296
24	$\mathcal{O}(1; \{2^8, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^3, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{3^6, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2^5, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2^2, 4^4, 8, 12, 24\})$	147456
24	$\mathcal{O}(1; \{2^5, 3, 6, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3^4, 6, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6, 8, 12, 24\})$	110592
24	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 6^3, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{4^2, 6^3, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{3, 6^4, 8, 12, 24\})$	193536

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 4, 8^3, 12, 24\})$	294912
24	$\mathcal{O}(1; \{4^3, 8^3, 12, 24\})$	1179648
24	$\mathcal{O}(1; \{3, 4, 6, 8^3, 12, 24\})$	884736
24	$\mathcal{O}(1; \{2, 8^5, 12, 24\})$	2359296
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8, 12^2, 24\})$	184320
24	$\mathcal{O}(1; \{2^3, 4, 6, 8, 12^2, 24\})$	110592
24	$\mathcal{O}(1; \{4^3, 6, 8, 12^2, 24\})$	442368
24	$\mathcal{O}(1; \{3, 4, 6^2, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{3^2, 8^3, 12^2, 24\})$	1474560
24	$\mathcal{O}(1; \{2, 6, 8^3, 12^2, 24\})$	884736
24	$\mathcal{O}(1; \{2^3, 3, 8, 12^3, 24\})$	184320
24	$\mathcal{O}(1; \{3, 4^2, 8, 12^3, 24\})$	737280
24	$\mathcal{O}(1; \{3^2, 6, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{2, 6^2, 8, 12^3, 24\})$	405504
24	$\mathcal{O}(1; \{2, 4, 8, 12^4, 24\})$	737280
24	$\mathcal{O}(1; \{2^7, 3^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^3, 3^5, 24^2\})$	96768
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{3^5, 4^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2, 3^2, 4^4, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^8, 6, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^3, 6, 24^2\})$	50688
24	$\mathcal{O}(1; \{3^6, 6, 24^2\})$	391680
24	$\mathcal{O}(1; \{2^5, 4^2, 6, 24^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^2, 4^4, 6, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^5, 3, 6^2, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 3^4, 6^2, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 24^2\})$	96768
24	$\mathcal{O}(1; \{2^3, 6^4, 24^2\})$	50688
24	$\mathcal{O}(1; \{4^2, 6^4, 24^2\})$	202752
24	$\mathcal{O}(1; \{3, 6^5, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^3, 4, 6, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{4^3, 6, 8^2, 24^2\})$	589824
24	$\mathcal{O}(1; \{3, 4, 6^2, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{3^2, 8^4, 24^2\})$	3538944
24	$\mathcal{O}(1; \{2, 6, 8^4, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2^5, 3, 4, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 3^4, 4, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 12, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12, 24^2\})$	202752

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 4, 6^2, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{4^3, 6^2, 12, 24^2\})$	368640
24	$\mathcal{O}(1; \{3, 4, 6^3, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^3, 3, 8^2, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{3, 4^2, 8^2, 12, 24^2\})$	1769472
24	$\mathcal{O}(1; \{3^2, 6, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2, 6^2, 8^2, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^6, 12^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^3, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^3, 4^2, 12^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{4^4, 12^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^3, 3, 6, 12^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{3, 4^2, 6, 12^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{3^2, 6^2, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 6^3, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2, 4, 8^2, 12^2, 24^2\})$	1769472
24	$\mathcal{O}(1; \{3^2, 4, 12^3, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 4, 6, 12^3, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 3, 12^4, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2^6, 8, 24^3\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^3, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{2^3, 4^2, 8, 24^3\})$	294912
24	$\mathcal{O}(1; \{4^4, 8, 24^3\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3, 6, 8, 24^3\})$	368640
24	$\mathcal{O}(1; \{3, 4^2, 6, 8, 24^3\})$	1474560
24	$\mathcal{O}(1; \{3^2, 6^2, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2, 6^3, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{2, 4, 8^3, 24^3\})$	2359296
24	$\mathcal{O}(1; \{3^2, 4, 8, 12, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2, 4, 6, 8, 12, 24^3\})$	1474560
24	$\mathcal{O}(1; \{2, 3, 8, 12^2, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2^3, 3, 4, 24^4\})$	737280
24	$\mathcal{O}(1; \{3, 4^3, 24^4\})$	2949120
24	$\mathcal{O}(1; \{3^2, 4, 6, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2, 4, 6^2, 24^4\})$	1622016
24	$\mathcal{O}(1; \{2, 3, 8^2, 24^4\})$	5898240
24	$\mathcal{O}(1; \{2^4, 12, 24^4\})$	737280
24	$\mathcal{O}(1; \{3^3, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2, 4^2, 12, 24^4\})$	2949120
24	$\mathcal{O}(1; \{2, 3, 6, 12, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2^2, 24^6\})$	12976128
24	$\mathcal{O}(0; \{2^{10}, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^6, 3^6, 8^2\})$	88

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^9, 8^2\})$	680
24	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 8^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{3^6, 4^4, 8^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^3, 4^6, 8^2\})$	512
24	$\mathcal{O}(0; \{2^{11}, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^7, 3^4, 6, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^7, 6, 8^2\})$	344
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6, 8^2\})$	160
24	$\mathcal{O}(0; \{3^7, 4^2, 6, 8^2\})$	1376
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 6, 8^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 6, 8^2\})$	512
24	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 8^2\})$	24
24	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 8^2\})$	168
24	$\mathcal{O}(0; \{3^8, 6^2, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^2, 8^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^2, 8^2\})$	384
24	$\mathcal{O}(0; \{2^9, 6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^6, 6^3, 8^2\})$	680
24	$\mathcal{O}(0; \{2^6, 4^2, 6^3, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^3, 8^2\})$	352
24	$\mathcal{O}(0; \{2^3, 4^4, 6^3, 8^2\})$	128
24	$\mathcal{O}(0; \{4^6, 6^3, 8^2\})$	512
24	$\mathcal{O}(0; \{2^6, 3, 6^4, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 8^2\})$	344
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^4, 8^2\})$	160
24	$\mathcal{O}(0; \{3, 4^4, 6^4, 8^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 8^2\})$	168
24	$\mathcal{O}(0; \{3^2, 4^2, 6^5, 8^2\})$	672
24	$\mathcal{O}(0; \{2^4, 6^6, 8^2\})$	88
24	$\mathcal{O}(0; \{3^3, 6^6, 8^2\})$	680
24	$\mathcal{O}(0; \{2, 4^2, 6^6, 8^2\})$	352
24	$\mathcal{O}(0; \{2, 3, 6^7, 8^2\})$	344
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3^6, 4, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8^4\})$	1024
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8^4\})$	1280

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8^4\})$	1024
24	$\mathcal{O}(0; \{3, 4^5, 6, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8^4\})$	768
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8^4\})$	3072
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8^4\})$	256
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8^4\})$	2816
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8^4\})$	1024
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^3, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^4, 6, 8^6\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^6\})$	8192
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^6\})$	6144
24	$\mathcal{O}(0; \{2^2, 6^3, 8^6\})$	2048
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^8, 4, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{2^9, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 3^6, 4, 6, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^6, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2^3, 4^5, 6, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{4^7, 6, 8^2, 12\})$	2048
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^2, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^2, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^2, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{3, 4^5, 6^2, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^3, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^2, 4^3, 6^3, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^4, 4, 6^4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{3^3, 4, 6^4, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2, 4^3, 6^4, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2, 3, 4, 6^5, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^6, 3^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 3^5, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3^2, 4^4, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^7, 6, 8^4, 12\})$	256

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{2, 4^4, 6, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{3^4, 6^2, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^2, 6^4, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{6, 8^8, 12\})$	65536
24	$\mathcal{O}(0; \{2^9, 3, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3^7, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{3, 4^6, 8^2, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^7, 6^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8^2, 12^2\})$	1536
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{3^4, 6^3, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^2, 6^5, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{3^4, 4, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^4, 12^2\})$	4096
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^4, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^2, 3, 8^6, 12^2\})$	8192
24	$\mathcal{O}(0; \{6^2, 8^6, 12^2\})$	24576
24	$\mathcal{O}(0; \{2^7, 4, 8^2, 12^3\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^3, 8^2, 12^3\})$	512

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^3, 4^3, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{2, 4^5, 8^2, 12^3\})$	2048
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^2, 12^3\})$	2560
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{2^5, 8^4, 12^3\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2^2, 4^2, 8^4, 12^3\})$	4096
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^4, 12^3\})$	5120
24	$\mathcal{O}(0; \{6^3, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{4, 8^6, 12^3\})$	32768
24	$\mathcal{O}(0; \{2^4, 3^2, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{3^5, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^2, 12^4\})$	5632
24	$\mathcal{O}(0; \{2^5, 6, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^2, 12^4\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{6^4, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{4, 6, 8^4, 12^4\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 12^5\})$	5632
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 12^5\})$	10752
24	$\mathcal{O}(0; \{3, 8^4, 12^5\})$	45056
24	$\mathcal{O}(0; \{2^3, 8^2, 12^6\})$	5632
24	$\mathcal{O}(0; \{4^2, 8^2, 12^6\})$	22528
24	$\mathcal{O}(0; \{3, 6, 8^2, 12^6\})$	22016
24	$\mathcal{O}(0; \{2^{11}, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^7, 3^4, 4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^7, 4, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^8, 3, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 8, 24\})$	320
24	$\mathcal{O}(0; \{3^7, 4^3, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2^5, 3, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4^5, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^2, 3, 4^7, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 6, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 6, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^8, 4, 6, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6, 8, 24\})$	192
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 6, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6, 8, 24\})$	768

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^9, 4, 6^2, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^2, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3^6, 4, 6^2, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^6, 4^3, 6^2, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^2, 8, 24\})$	704
24	$\mathcal{O}(0; \{2^3, 4^5, 6^2, 8, 24\})$	256
24	$\mathcal{O}(0; \{4^7, 6^2, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^3, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^3, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^3, 8, 24\})$	320
24	$\mathcal{O}(0; \{3, 4^5, 6^3, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^4, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^2, 4^3, 6^4, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 4, 6^5, 8, 24\})$	176
24	$\mathcal{O}(0; \{3^3, 4, 6^5, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2, 4^3, 6^5, 8, 24\})$	704
24	$\mathcal{O}(0; \{2, 3, 4, 6^6, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^9, 3, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^5, 3^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^7, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{3, 4^6, 8^3, 24\})$	8192
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^7, 6^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{3^4, 6^3, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 6^5, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{3^4, 4, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^5, 24\})$	4096

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{6^2, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^{12}, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^8, 3^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^9, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2^9, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^6, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^3, 4^6, 8, 12, 24\})$	1024
24	$\mathcal{O}(0; \{4^8, 8, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^9, 3, 6, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^5, 3^4, 6, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^7, 6, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6, 8, 12, 24\})$	768
24	$\mathcal{O}(0; \{3, 4^6, 6, 8, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^2, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3^2, 4^4, 6^2, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^7, 6^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{2^4, 4^2, 6^3, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{3^3, 4^2, 6^3, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2, 4^4, 6^3, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 3, 6^4, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{3^4, 6^4, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^4, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3^2, 6^5, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^2, 6^6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{2^7, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 4^3, 8^3, 12, 24\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^3, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{2, 4^5, 8^3, 12, 24\})$	8192
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^3, 12, 24\})$	6144
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^3, 12, 24\})$	5632

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^5, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2, 3^3, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2^2, 4^2, 8^5, 12, 24\})$	16384
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^5, 12, 24\})$	12288
24	$\mathcal{O}(0; \{6^3, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{4, 8^7, 12, 24\})$	131072
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8, 12^2, 24\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^5, 8, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^7, 4, 6, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8, 12^2, 24\})$	768
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{2, 4^5, 6, 8, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 3^2, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{3^5, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^3, 12^2, 24\})$	10240
24	$\mathcal{O}(0; \{2^5, 6, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^3, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{6^4, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{4, 6, 8^5, 12^2, 24\})$	49152
24	$\mathcal{O}(0; \{2^7, 3, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^3, 3^4, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8, 12^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^4, 4^2, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^4, 8, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{3^5, 6, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^5, 6^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8, 12^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{6^5, 8, 12^3, 24\})$	5440

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^3, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{4, 6^2, 8^3, 12^3, 24\})$	22528
24	$\mathcal{O}(0; \{3, 8^5, 12^3, 24\})$	81920
24	$\mathcal{O}(0; \{2^5, 4, 8, 12^4, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^3, 8, 12^4, 24\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8, 12^4, 24\})$	5376
24	$\mathcal{O}(0; \{4, 6^3, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^3, 8^3, 12^4, 24\})$	10240
24	$\mathcal{O}(0; \{4^2, 8^3, 12^4, 24\})$	40960
24	$\mathcal{O}(0; \{3, 6, 8^3, 12^4, 24\})$	43008
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 12^5, 24\})$	11008
24	$\mathcal{O}(0; \{2^3, 6, 8, 12^5, 24\})$	5376
24	$\mathcal{O}(0; \{4^2, 6, 8, 12^5, 24\})$	21504
24	$\mathcal{O}(0; \{3, 6^2, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{3, 4, 8, 12^6, 24\})$	44032
24	$\mathcal{O}(0; \{2, 8, 12^7, 24\})$	44032
24	$\mathcal{O}(0; \{2^{11}, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^7, 3^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^8, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 24^2\})$	672
24	$\mathcal{O}(0; \{3^8, 4^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3^5, 4^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^{12}, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{2^8, 3^3, 6, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 3^6, 6, 24^2\})$	680
24	$\mathcal{O}(0; \{3^9, 6, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^9, 4^2, 6, 24^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 6, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^6, 4^4, 6, 24^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^3, 4^6, 6, 24^2\})$	512
24	$\mathcal{O}(0; \{4^8, 6, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^9, 3, 6^2, 24^2\})$	40
24	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3^7, 6^2, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^2, 24^2\})$	640

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^6, 6^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^3, 24^2\})$	672
24	$\mathcal{O}(0; \{3^2, 4^4, 6^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^7, 6^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 24^2\})$	680
24	$\mathcal{O}(0; \{2^4, 4^2, 6^4, 24^2\})$	352
24	$\mathcal{O}(0; \{3^3, 4^2, 6^4, 24^2\})$	2720
24	$\mathcal{O}(0; \{2, 4^4, 6^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 6^5, 24^2\})$	344
24	$\mathcal{O}(0; \{3^4, 6^5, 24^2\})$	2728
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^5, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^2, 6^6, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^2, 6^7, 24^2\})$	680
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^2, 4^5, 8^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^7, 4, 6, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2, 4^5, 6, 8^2, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{3^5, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^4, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^5, 6, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{6^4, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{4, 6, 8^6, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^9, 3, 4, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^7, 4, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 12, 24^2\})$	2688

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{3, 4^7, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^2, 4^5, 6, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^7, 4, 6^2, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 4^5, 6^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{3^4, 4, 6^3, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 4, 6^5, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^7, 3, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^4, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^4, 4^2, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4^4, 8^2, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^5, 6, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^5, 6^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^2, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{6^5, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^4, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{4, 6^2, 8^4, 12, 24^2\})$	40960
24	$\mathcal{O}(0; \{3, 8^6, 12, 24^2\})$	196608
24	$\mathcal{O}(0; \{2^{10}, 12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^6, 3^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^7, 4^2, 12^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 4^4, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^4, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 4^6, 12^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^7, 3, 6, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 12^2, 24^2\})$	1408

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^5, 6^2, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 6^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{6^6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 4, 8^2, 12^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 12^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 8^4, 12^2, 24^2\})$	24576
24	$\mathcal{O}(0; \{4^2, 8^4, 12^2, 24^2\})$	98304
24	$\mathcal{O}(0; \{3, 6, 8^4, 12^2, 24^2\})$	90112
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^5, 4, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 12^3, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^5, 4, 6, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 12^3, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{4, 6^4, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12^3, 24^2\})$	45056
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^5, 3, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^4, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^3, 6^2, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{4^2, 6^2, 12^4, 24^2\})$	22016
24	$\mathcal{O}(0; \{3, 6^3, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^4, 24^2\})$	86016
24	$\mathcal{O}(0; \{2^3, 4, 12^5, 24^2\})$	10752
24	$\mathcal{O}(0; \{4^3, 12^5, 24^2\})$	43008
24	$\mathcal{O}(0; \{3, 4, 6, 12^5, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 8^2, 12^5, 24^2\})$	86016
24	$\mathcal{O}(0; \{3^2, 12^6, 24^2\})$	87552

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 6, 12^6, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^{10}, 8, 24^3\})$	128
24	$\mathcal{O}(0; \{2^6, 3^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^7, 4^2, 8, 24^3\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^4, 4^4, 8, 24^3\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^4, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2, 4^6, 8, 24^3\})$	8192
24	$\mathcal{O}(0; \{2^7, 3, 6, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{3^5, 6^2, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^5, 6^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{6^6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^5, 4, 8^3, 24^3\})$	4096
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^2, 4^3, 8^3, 24^3\})$	16384
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^3, 24^3\})$	20480
24	$\mathcal{O}(0; \{4, 6^3, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 8^5, 24^3\})$	32768
24	$\mathcal{O}(0; \{4^2, 8^5, 24^3\})$	131072
24	$\mathcal{O}(0; \{3, 6, 8^5, 24^3\})$	163840
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^5, 4, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8, 12, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^5, 4, 6, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8, 12, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{4, 6^4, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 3^2, 8^3, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 6, 8^3, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{4^2, 6, 8^3, 12, 24^3\})$	81920
24	$\mathcal{O}(0; \{3, 6^2, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^5, 3, 8, 12^2, 24^3\})$	5632

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^4, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 12^2, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 12^2, 24^3\})$	10752
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 12^2, 24^3\})$	43008
24	$\mathcal{O}(0; \{3, 6^3, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{3, 4, 8^3, 12^2, 24^3\})$	180224
24	$\mathcal{O}(0; \{2^3, 4, 8, 12^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{4^3, 8, 12^3, 24^3\})$	90112
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 8^3, 12^3, 24^3\})$	180224
24	$\mathcal{O}(0; \{3^2, 8, 12^4, 24^3\})$	174080
24	$\mathcal{O}(0; \{2, 6, 8, 12^4, 24^3\})$	88064
24	$\mathcal{O}(0; \{2^7, 3, 4, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 24^4\})$	11008
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 24^4\})$	5120
24	$\mathcal{O}(0; \{3^4, 4^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{2, 3, 4^5, 24^4\})$	20480
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 24^4\})$	5376
24	$\mathcal{O}(0; \{3^5, 4, 6, 24^4\})$	43776
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 24^4\})$	21504
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 24^4\})$	2816
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 24^4\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 24^4\})$	11008
24	$\mathcal{O}(0; \{4, 6^5, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^5, 3, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2, 3^4, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^2, 24^4\})$	40960
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^3, 6^2, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{4^2, 6^2, 8^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{3, 6^3, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{3, 4, 8^4, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^8, 12, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^3, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^6, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2^5, 4^2, 12, 24^4\})$	5120
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^2, 4^4, 12, 24^4\})$	20480
24	$\mathcal{O}(0; \{2^5, 3, 6, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^4, 6, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12, 24^4\})$	21504

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^3, 6^3, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{4^2, 6^3, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{3, 6^4, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^3, 4, 8^2, 12, 24^4\})$	40960
24	$\mathcal{O}(0; \{4^3, 8^2, 12, 24^4\})$	163840
24	$\mathcal{O}(0; \{3, 4, 6, 8^2, 12, 24^4\})$	172032
24	$\mathcal{O}(0; \{2, 8^4, 12, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^2, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^3, 4, 6, 12^2, 24^4\})$	21504
24	$\mathcal{O}(0; \{4^3, 6, 12^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{3, 4, 6^2, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{3^2, 8^2, 12^2, 24^4\})$	352256
24	$\mathcal{O}(0; \{2, 6, 8^2, 12^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^3, 3, 12^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{3, 4^2, 12^3, 24^4\})$	176128
24	$\mathcal{O}(0; \{3^2, 6, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{2, 6^2, 12^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{2, 4, 12^4, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8, 24^5\})$	86016
24	$\mathcal{O}(0; \{2^3, 4, 6, 8, 24^5\})$	45056
24	$\mathcal{O}(0; \{4^3, 6, 8, 24^5\})$	180224
24	$\mathcal{O}(0; \{3, 4, 6^2, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{3^2, 8^3, 24^5\})$	688128
24	$\mathcal{O}(0; \{2, 6, 8^3, 24^5\})$	360448
24	$\mathcal{O}(0; \{2^3, 3, 8, 12, 24^5\})$	86016
24	$\mathcal{O}(0; \{3, 4^2, 8, 12, 24^5\})$	344064
24	$\mathcal{O}(0; \{3^2, 6, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{2, 6^2, 8, 12, 24^5\})$	176128
24	$\mathcal{O}(0; \{2, 4, 8, 12^2, 24^5\})$	344064
24	$\mathcal{O}(0; \{2^6, 24^6\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^3, 24^6\})$	174080
24	$\mathcal{O}(0; \{2^3, 4^2, 24^6\})$	90112
24	$\mathcal{O}(0; \{4^4, 24^6\})$	360448
24	$\mathcal{O}(0; \{2^3, 3, 6, 24^6\})$	88064
24	$\mathcal{O}(0; \{3, 4^2, 6, 24^6\})$	352256
24	$\mathcal{O}(0; \{3^2, 6^2, 24^6\})$	350208
24	$\mathcal{O}(0; \{2, 6^3, 24^6\})$	174080
24	$\mathcal{O}(0; \{2, 4, 8^2, 24^6\})$	720896
24	$\mathcal{O}(0; \{3^2, 4, 12, 24^6\})$	696320
24	$\mathcal{O}(0; \{2, 4, 6, 12, 24^6\})$	352256
24	$\mathcal{O}(0; \{2, 3, 12^2, 24^6\})$	696320
24	$\mathcal{O}(0; \{2, 3, 8, 24^7\})$	1409024

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
25	$\mathcal{O}(2; \{5^2, 25^3\})$	1875000000
25	$\mathcal{O}(0; \{5^7, 25^3\})$	4915200
25	$\mathcal{O}(0; \{5, 25^8\})$	4096250000
26	$\mathcal{O}(2; \{2, 13^3, 26\})$	729333696
26	$\mathcal{O}(1; \{2^5, 13^3, 26\})$	1078896
26	$\mathcal{O}(1; \{2^3, 13^2, 26^3\})$	12938640
26	$\mathcal{O}(1; \{2, 13, 26^5\})$	155271792
26	$\mathcal{O}(0; \{2^9, 13^3, 26\})$	1596
26	$\mathcal{O}(0; \{2^7, 13^2, 26^3\})$	19140
26	$\mathcal{O}(0; \{2^5, 13, 26^5\})$	229692
26	$\mathcal{O}(0; \{2^3, 26^7\})$	2756292
27	$\mathcal{O}(4; \emptyset)$	282386489760
27	$\mathcal{O}(3; \{3^3\})$	773778096
27	$\mathcal{O}(2; \{3^6\})$	11547360
27	$\mathcal{O}(2; \{3^2, 9^3\})$	37791360
27	$\mathcal{O}(1; \{3^9\})$	110160
27	$\mathcal{O}(1; \{3^5, 9^3\})$	373248
27	$\mathcal{O}(1; \{3, 9^6\})$	6928416
27	$\mathcal{O}(1; \{3^2, 9^2, 27^3\})$	17006112
27	$\mathcal{O}(0; \{3^5, 9^2, 27^3\})$	186624
27	$\mathcal{O}(0; \{3, 9^5, 27^3\})$	2519424
27	$\mathcal{O}(0; \{3^2, 9, 27^6\})$	31177872
28	$\mathcal{O}(2; \{2, 4^2, 7, 14\})$	7375872
28	$\mathcal{O}(2; \{2^2, 7, 28^2\})$	36879360
28	$\mathcal{O}(2; \{14^2, 28^2\})$	228652032
28	$\mathcal{O}(1; \{4^2, 7^5\})$	1740480
28	$\mathcal{O}(1; \{2^5, 4^2, 7, 14\})$	9408
28	$\mathcal{O}(1; \{2^2, 4^4, 7, 14\})$	37632
28	$\mathcal{O}(1; \{2^3, 4^2, 14^3\})$	47040
28	$\mathcal{O}(1; \{4^4, 14^3\})$	188160
28	$\mathcal{O}(1; \{2^3, 4, 7^3, 28\})$	291648
28	$\mathcal{O}(1; \{4^3, 7^3, 28\})$	1166592
28	$\mathcal{O}(1; \{2, 4, 7^2, 14^2, 28\})$	1740480
28	$\mathcal{O}(1; \{2^6, 7, 28^2\})$	47040
28	$\mathcal{O}(1; \{2^3, 4^2, 7, 28^2\})$	188160
28	$\mathcal{O}(1; \{4^4, 7, 28^2\})$	752640
28	$\mathcal{O}(1; \{2^4, 14^2, 28^2\})$	291648
28	$\mathcal{O}(1; \{2, 4^2, 14^2, 28^2\})$	1166592
28	$\mathcal{O}(1; \{2^2, 14, 28^4\})$	6961920
28	$\mathcal{O}(1; \{28^6\})$	167236608
28	$\mathcal{O}(0; \{2^4, 4^2, 7^5\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 7^5\})$	8880
28	$\mathcal{O}(0; \{2^9, 4^2, 7, 14\})$	12

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^6, 4^4, 7, 14\})$	48
28	$\mathcal{O}(0; \{2^3, 4^6, 7, 14\})$	192
28	$\mathcal{O}(0; \{4^8, 7, 14\})$	768
28	$\mathcal{O}(0; \{2^2, 4^2, 7^4, 14^2\})$	13332
28	$\mathcal{O}(0; \{2^7, 4^2, 14^3\})$	60
28	$\mathcal{O}(0; \{2^4, 4^4, 14^3\})$	240
28	$\mathcal{O}(0; \{2, 4^6, 14^3\})$	960
28	$\mathcal{O}(0; \{4^2, 7^3, 14^4\})$	79980
28	$\mathcal{O}(0; \{2^7, 4, 7^3, 28\})$	372
28	$\mathcal{O}(0; \{2^4, 4^3, 7^3, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4^5, 7^3, 28\})$	5952
28	$\mathcal{O}(0; \{4, 7^6, 14, 28\})$	479892
28	$\mathcal{O}(0; \{2^5, 4, 7^2, 14^2, 28\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^3, 7^2, 14^2, 28\})$	8880
28	$\mathcal{O}(0; \{2^3, 4, 7, 14^4, 28\})$	13332
28	$\mathcal{O}(0; \{4^3, 7, 14^4, 28\})$	53328
28	$\mathcal{O}(0; \{2, 4, 14^6, 28\})$	79980
28	$\mathcal{O}(0; \{2^{10}, 7, 28^2\})$	60
28	$\mathcal{O}(0; \{2^7, 4^2, 7, 28^2\})$	240
28	$\mathcal{O}(0; \{2^4, 4^4, 7, 28^2\})$	960
28	$\mathcal{O}(0; \{2, 4^6, 7, 28^2\})$	3840
28	$\mathcal{O}(0; \{2^3, 7^4, 14, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 7^4, 14, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^8, 14^2, 28^2\})$	372
28	$\mathcal{O}(0; \{2^5, 4^2, 14^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^2, 4^4, 14^2, 28^2\})$	5952
28	$\mathcal{O}(0; \{2, 7^3, 14^3, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^3, 4, 7^2, 14, 28^3\})$	53328
28	$\mathcal{O}(0; \{4^3, 7^2, 14, 28^3\})$	213312
28	$\mathcal{O}(0; \{2, 4, 7, 14^3, 28^3\})$	319920
28	$\mathcal{O}(0; \{2, 7^4, 28^4\})$	1919568
28	$\mathcal{O}(0; \{2^6, 14, 28^4\})$	8880
28	$\mathcal{O}(0; \{2^3, 4^2, 14, 28^4\})$	35520
28	$\mathcal{O}(0; \{4^4, 14, 28^4\})$	142080
28	$\mathcal{O}(0; \{2, 4, 7^2, 28^5\})$	1279680
28	$\mathcal{O}(0; \{2^4, 28^6\})$	213312
28	$\mathcal{O}(0; \{2, 4^2, 28^6\})$	853248
30	$\mathcal{O}(2; \{2^2, 5^3\})$	9600000
30	$\mathcal{O}(2; \{5^2, 10^2\})$	41600000
30	$\mathcal{O}(2; \{2^2, 3, 5, 15\})$	6480000
30	$\mathcal{O}(2; \{5, 6^2, 15\})$	6480000
30	$\mathcal{O}(2; \{3, 10^2, 15\})$	19440000
30	$\mathcal{O}(2; \{5^2, 6, 30\})$	19440000

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(2; \{2^3, 15, 30\})$	6480000
30	$\mathcal{O}(2; \{3, 6, 15, 30\})$	19440000
30	$\mathcal{O}(2; \{3, 5, 30^2\})$	19440000
30	$\mathcal{O}(2; \{2, 30^3\})$	19440000
30	$\mathcal{O}(1; \{2^6, 5^3\})$	9600
30	$\mathcal{O}(1; \{2^2, 3^3, 5^3\})$	21600
30	$\mathcal{O}(1; \{2^3, 3, 5^3, 6\})$	21600
30	$\mathcal{O}(1; \{3^2, 5^3, 6^2\})$	64800
30	$\mathcal{O}(1; \{2, 5^3, 6^3\})$	21600
30	$\mathcal{O}(1; \{2, 5^5, 10\})$	656000
30	$\mathcal{O}(1; \{2^4, 5^2, 10^2\})$	41600
30	$\mathcal{O}(1; \{3^3, 5^2, 10^2\})$	93600
30	$\mathcal{O}(1; \{2, 3, 5^2, 6, 10^2\})$	93600
30	$\mathcal{O}(1; \{2^2, 5, 10^4\})$	163200
30	$\mathcal{O}(1; \{10^6\})$	656000
30	$\mathcal{O}(1; \{2^6, 3, 5, 15\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^4, 5, 15\})$	36000
30	$\mathcal{O}(1; \{2^3, 3^2, 5, 6, 15\})$	21600
30	$\mathcal{O}(1; \{2^4, 5, 6^2, 15\})$	7200
30	$\mathcal{O}(1; \{3^3, 5, 6^2, 15\})$	79200
30	$\mathcal{O}(1; \{2, 3, 5, 6^3, 15\})$	36000
30	$\mathcal{O}(1; \{2, 3, 5^3, 10, 15\})$	367200
30	$\mathcal{O}(1; \{2^4, 3, 10^2, 15\})$	21600
30	$\mathcal{O}(1; \{3^4, 10^2, 15\})$	108000
30	$\mathcal{O}(1; \{2, 3^2, 6, 10^2, 15\})$	64800
30	$\mathcal{O}(1; \{2^2, 6^2, 10^2, 15\})$	21600
30	$\mathcal{O}(1; \{2, 3^2, 5, 10, 15^2\})$	280800
30	$\mathcal{O}(1; \{2^2, 5, 6, 10, 15^2\})$	93600
30	$\mathcal{O}(1; \{6, 10^3, 15^2\})$	367200
30	$\mathcal{O}(1; \{2^2, 5^2, 15^3\})$	367200
30	$\mathcal{O}(1; \{5, 10^2, 15^3\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3, 15^4\})$	468000
30	$\mathcal{O}(1; \{6^2, 15^4\})$	1029600
30	$\mathcal{O}(1; \{2^3, 3^2, 5^2, 30\})$	21600
30	$\mathcal{O}(1; \{2^4, 5^2, 6, 30\})$	21600
30	$\mathcal{O}(1; \{3^3, 5^2, 6, 30\})$	108000
30	$\mathcal{O}(1; \{2, 3, 5^2, 6^2, 30\})$	64800
30	$\mathcal{O}(1; \{2, 3^2, 5, 10^2, 30\})$	93600
30	$\mathcal{O}(1; \{2^2, 5, 6, 10^2, 30\})$	93600
30	$\mathcal{O}(1; \{6, 10^4, 30\})$	367200
30	$\mathcal{O}(1; \{2^7, 15, 30\})$	7200
30	$\mathcal{O}(1; \{2^3, 3^3, 15, 30\})$	36000
30	$\mathcal{O}(1; \{2^4, 3, 6, 15, 30\})$	21600

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{3^4, 6, 15, 30\})$	151200
30	$\mathcal{O}(1; \{2, 3^2, 6^2, 15, 30\})$	79200
30	$\mathcal{O}(1; \{2^2, 6^3, 15, 30\})$	36000
30	$\mathcal{O}(1; \{2^2, 5^2, 10, 15, 30\})$	367200
30	$\mathcal{O}(1; \{5, 10^3, 15, 30\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3, 10, 15^2, 30\})$	280800
30	$\mathcal{O}(1; \{6^2, 10, 15^2, 30\})$	468000
30	$\mathcal{O}(1; \{5, 6, 15^3, 30\})$	1836000
30	$\mathcal{O}(1; \{2^4, 3, 5, 30^2\})$	21600
30	$\mathcal{O}(1; \{3^4, 5, 30^2\})$	237600
30	$\mathcal{O}(1; \{2, 3^2, 5, 6, 30^2\})$	108000
30	$\mathcal{O}(1; \{2^2, 5, 6^2, 30^2\})$	64800
30	$\mathcal{O}(1; \{2^2, 3, 10^2, 30^2\})$	93600
30	$\mathcal{O}(1; \{6^2, 10^2, 30^2\})$	280800
30	$\mathcal{O}(1; \{5, 6, 10, 15, 30^2\})$	1101600
30	$\mathcal{O}(1; \{5^2, 15^2, 30^2\})$	4428000
30	$\mathcal{O}(1; \{3, 15^3, 30^2\})$	4039200
30	$\mathcal{O}(1; \{2^5, 30^3\})$	21600
30	$\mathcal{O}(1; \{2, 3^3, 30^3\})$	237600
30	$\mathcal{O}(1; \{2^2, 3, 6, 30^3\})$	108000
30	$\mathcal{O}(1; \{6^3, 30^3\})$	237600
30	$\mathcal{O}(1; \{5^2, 10, 30^3\})$	1476000
30	$\mathcal{O}(1; \{3, 10, 15, 30^3\})$	1836000
30	$\mathcal{O}(0; \{2^6, 3^3, 5^3\})$	24
30	$\mathcal{O}(0; \{2^2, 3^6, 5^3\})$	264
30	$\mathcal{O}(0; \{2^7, 3, 5^3, 6\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 5^3, 6\})$	120
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 6^2\})$	72
30	$\mathcal{O}(0; \{3^5, 5^3, 6^2\})$	504
30	$\mathcal{O}(0; \{2^5, 5^3, 6^3\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6^3\})$	264
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^4\})$	120
30	$\mathcal{O}(0; \{5^3, 6^6\})$	264
30	$\mathcal{O}(0; \{2, 3^3, 5^5, 10\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 6, 10\})$	1640
30	$\mathcal{O}(0; \{5^5, 6^3, 10\})$	1640
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 10^2\})$	104
30	$\mathcal{O}(0; \{3^6, 5^2, 10^2\})$	1144
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6, 10^2\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6, 10^2\})$	520
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^2, 10^2\})$	312
30	$\mathcal{O}(0; \{2^3, 5^2, 6^3, 10^2\})$	104
30	$\mathcal{O}(0; \{3, 5^2, 6^4, 10^2\})$	520

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5^4, 6, 10^3\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10^4\})$	408
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10^4\})$	408
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10^4\})$	1224
30	$\mathcal{O}(0; \{2, 5, 6^3, 10^4\})$	408
30	$\mathcal{O}(0; \{3^3, 10^6\})$	1640
30	$\mathcal{O}(0; \{2, 3, 6, 10^6\})$	1640
30	$\mathcal{O}(0; \{2^{10}, 3, 5, 15\})$	8
30	$\mathcal{O}(0; \{2^6, 3^4, 5, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 3^7, 5, 15\})$	344
30	$\mathcal{O}(0; \{2^2, 3, 5^6, 15\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^2, 5, 6, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 5, 6, 15\})$	168
30	$\mathcal{O}(0; \{2^8, 5, 6^2, 15\})$	8
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 6^2, 15\})$	88
30	$\mathcal{O}(0; \{3^6, 5, 6^2, 15\})$	680
30	$\mathcal{O}(0; \{5^6, 6^2, 15\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 5, 6^3, 15\})$	40
30	$\mathcal{O}(0; \{2, 3^4, 5, 6^3, 15\})$	344
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^4, 15\})$	168
30	$\mathcal{O}(0; \{2^3, 5, 6^5, 15\})$	88
30	$\mathcal{O}(0; \{3, 5, 6^6, 15\})$	344
30	$\mathcal{O}(0; \{2^5, 3, 5^3, 10, 15\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^3, 10, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 6, 10, 15\})$	1224
30	$\mathcal{O}(0; \{2^3, 5^3, 6^2, 10, 15\})$	408
30	$\mathcal{O}(0; \{3, 5^3, 6^3, 10, 15\})$	2040
30	$\mathcal{O}(0; \{2^8, 3, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 10^2, 15\})$	120
30	$\mathcal{O}(0; \{3^7, 10^2, 15\})$	1032
30	$\mathcal{O}(0; \{3, 5^5, 10^2, 15\})$	26216
30	$\mathcal{O}(0; \{2^5, 3^2, 6, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2, 3^5, 6, 10^2, 15\})$	504
30	$\mathcal{O}(0; \{2^6, 6^2, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 10^2, 15\})$	264
30	$\mathcal{O}(0; \{2^3, 3, 6^3, 10^2, 15\})$	120
30	$\mathcal{O}(0; \{3^2, 6^4, 10^2, 15\})$	504
30	$\mathcal{O}(0; \{2, 6^5, 10^2, 15\})$	264
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 10^3, 15\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10^3, 15\})$	4920
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10^3, 15\})$	1640
30	$\mathcal{O}(0; \{2, 3, 5, 10^5, 15\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4, 15^2\})$	4920

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 5^4, 6, 15^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^4, 6^2, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 10, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3^5, 5, 10, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^6, 5, 6, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 10, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 10, 15^2\})$	520
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 10, 15^2\})$	2184
30	$\mathcal{O}(0; \{2, 5, 6^4, 10, 15^2\})$	1144
30	$\mathcal{O}(0; \{3^2, 5^3, 10^2, 15^2\})$	19656
30	$\mathcal{O}(0; \{2, 5^3, 6, 10^2, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^2, 10^3, 15^2\})$	1224
30	$\mathcal{O}(0; \{2^4, 6, 10^3, 15^2\})$	408
30	$\mathcal{O}(0; \{3^3, 6, 10^3, 15^2\})$	4488
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^3, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^6, 5^2, 15^3\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 15^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6, 15^3\})$	2040
30	$\mathcal{O}(0; \{3^2, 5^2, 6^2, 15^3\})$	8568
30	$\mathcal{O}(0; \{2, 5^2, 6^3, 15^3\})$	4488
30	$\mathcal{O}(0; \{2, 5^4, 10, 15^3\})$	26216
30	$\mathcal{O}(0; \{2^4, 5, 10^2, 15^3\})$	1640
30	$\mathcal{O}(0; \{3^3, 5, 10^2, 15^3\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10^2, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 10^4, 15^3\})$	6552
30	$\mathcal{O}(0; \{2^6, 3, 15^4\})$	520
30	$\mathcal{O}(0; \{2^2, 3^4, 15^4\})$	4472
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 15^4\})$	2184
30	$\mathcal{O}(0; \{2^4, 6^2, 15^4\})$	1144
30	$\mathcal{O}(0; \{3^3, 6^2, 15^4\})$	8840
30	$\mathcal{O}(0; \{2, 3, 6^3, 15^4\})$	4472
30	$\mathcal{O}(0; \{2, 3, 5^2, 10, 15^4\})$	32760
30	$\mathcal{O}(0; \{2, 3^2, 10, 15^5\})$	34440
30	$\mathcal{O}(0; \{2^2, 6, 10, 15^5\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 15^6\})$	72072
30	$\mathcal{O}(0; \{10^2, 15^6\})$	288376
30	$\mathcal{O}(0; \{2^7, 3^2, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 5^2, 30\})$	264
30	$\mathcal{O}(0; \{2^8, 5^2, 6, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 6, 30\})$	120
30	$\mathcal{O}(0; \{3^6, 5^2, 6, 30\})$	1032
30	$\mathcal{O}(0; \{5^7, 6, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6^2, 30\})$	72

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6^2, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^3, 30\})$	264
30	$\mathcal{O}(0; \{2^3, 5^2, 6^4, 30\})$	120
30	$\mathcal{O}(0; \{3, 5^2, 6^5, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4, 10, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 5^4, 6, 10, 30\})$	1640
30	$\mathcal{O}(0; \{3, 5^4, 6^2, 10, 30\})$	4920
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^5, 5, 10^2, 30\})$	1144
30	$\mathcal{O}(0; \{2^6, 5, 6, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 10^2, 30\})$	520
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 10^2, 30\})$	312
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 10^2, 30\})$	1144
30	$\mathcal{O}(0; \{2, 5, 6^4, 10^2, 30\})$	520
30	$\mathcal{O}(0; \{3^2, 5^3, 10^3, 30\})$	6552
30	$\mathcal{O}(0; \{2, 5^3, 6, 10^3, 30\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^2, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{2^4, 6, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{3^3, 6, 10^4, 30\})$	2040
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^4, 30\})$	1224
30	$\mathcal{O}(0; \{2^{11}, 15, 30\})$	8
30	$\mathcal{O}(0; \{2^7, 3^3, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 3^6, 15, 30\})$	344
30	$\mathcal{O}(0; \{2^3, 5^5, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^8, 3, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 6, 15, 30\})$	168
30	$\mathcal{O}(0; \{3^7, 6, 15, 30\})$	1368
30	$\mathcal{O}(0; \{3, 5^5, 6, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 15, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^5, 6^2, 15, 30\})$	680
30	$\mathcal{O}(0; \{2^6, 6^3, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 15, 30\})$	344
30	$\mathcal{O}(0; \{2^3, 3, 6^4, 15, 30\})$	168
30	$\mathcal{O}(0; \{3^2, 6^5, 15, 30\})$	680
30	$\mathcal{O}(0; \{2, 6^6, 15, 30\})$	344
30	$\mathcal{O}(0; \{2^6, 5^2, 10, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 10, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6, 10, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3^2, 5^2, 6^2, 10, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2, 5^2, 6^3, 10, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5^4, 10^2, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^4, 5, 10^3, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3^3, 5, 10^3, 15, 30\})$	8200

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10^3, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 10^5, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 15^2, 30\})$	4920
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2^6, 3, 10, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 3^4, 10, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{2^4, 6^2, 10, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{3^3, 6^2, 10, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2, 3, 6^3, 10, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^2, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 15^3, 30\})$	4488
30	$\mathcal{O}(0; \{2^4, 5, 6, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{3^3, 5, 6, 15^3, 30\})$	17544
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 15^3, 30\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 10^2, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{2^2, 6, 10^2, 15^3, 30\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 10, 15^4, 30\})$	32760
30	$\mathcal{O}(0; \{10^3, 15^4, 30\})$	131080
30	$\mathcal{O}(0; \{6, 15^6, 30\})$	281736
30	$\mathcal{O}(0; \{2^8, 3, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 5, 30^2\})$	264
30	$\mathcal{O}(0; \{3^7, 5, 30^2\})$	2040
30	$\mathcal{O}(0; \{3, 5^6, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 6, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3^5, 5, 6, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^6, 5, 6^2, 30^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6^2, 30^2\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^3, 30^2\})$	264
30	$\mathcal{O}(0; \{3^2, 5, 6^4, 30^2\})$	1032
30	$\mathcal{O}(0; \{2, 5, 6^5, 30^2\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 10, 30^2\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 10, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 10, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^6, 3, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 10^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10^2, 30^2\})$	520
30	$\mathcal{O}(0; \{2^4, 6^2, 10^2, 30^2\})$	312
30	$\mathcal{O}(0; \{3^3, 6^2, 10^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2, 3, 6^3, 10^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^3, 30^2\})$	6552
30	$\mathcal{O}(0; \{3^2, 5^4, 15, 30^2\})$	32760

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 5^4, 6, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 10, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^4, 5, 6, 10, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^3, 5, 6, 10, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 10, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 10^3, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 6, 10^3, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^4, 5^2, 15^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{3^3, 5^2, 15^2, 30^2\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 10^2, 15^2, 30^2\})$	19656
30	$\mathcal{O}(0; \{10^4, 15^2, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^4, 3, 15^3, 30^2\})$	4488
30	$\mathcal{O}(0; \{3^4, 15^3, 30^2\})$	34680
30	$\mathcal{O}(0; \{2, 3^2, 6, 15^3, 30^2\})$	17544
30	$\mathcal{O}(0; \{2^2, 6^2, 15^3, 30^2\})$	8568
30	$\mathcal{O}(0; \{6, 10, 15^4, 30^2\})$	137592
30	$\mathcal{O}(0; \{5, 15^5, 30^2\})$	550536
30	$\mathcal{O}(0; \{2^9, 30^3\})$	24
30	$\mathcal{O}(0; \{2^5, 3^3, 30^3\})$	264
30	$\mathcal{O}(0; \{2, 3^6, 30^3\})$	2040
30	$\mathcal{O}(0; \{2, 5^5, 30^3\})$	26216
30	$\mathcal{O}(0; \{2^6, 3, 6, 30^3\})$	120
30	$\mathcal{O}(0; \{2^2, 3^4, 6, 30^3\})$	1032
30	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 30^3\})$	504
30	$\mathcal{O}(0; \{2^4, 6^3, 30^3\})$	264
30	$\mathcal{O}(0; \{3^3, 6^3, 30^3\})$	2040
30	$\mathcal{O}(0; \{2, 3, 6^4, 30^3\})$	1032
30	$\mathcal{O}(0; \{2^4, 5^2, 10, 30^3\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^2, 10, 30^3\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 10, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 10^3, 30^3\})$	6552
30	$\mathcal{O}(0; \{10^5, 30^3\})$	26216
30	$\mathcal{O}(0; \{2, 3, 5^3, 15, 30^3\})$	32760
30	$\mathcal{O}(0; \{2^4, 3, 10, 15, 30^3\})$	2040
30	$\mathcal{O}(0; \{3^4, 10, 15, 30^3\})$	17544
30	$\mathcal{O}(0; \{2, 3^2, 6, 10, 15, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 6^2, 10, 15, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5, 15^2, 30^3\})$	34440
30	$\mathcal{O}(0; \{2^2, 5, 6, 15^2, 30^3\})$	18040
30	$\mathcal{O}(0; \{6, 10^2, 15^2, 30^3\})$	72072
30	$\mathcal{O}(0; \{5, 10, 15^3, 30^3\})$	288376
30	$\mathcal{O}(0; \{2, 3^2, 5, 10, 30^4\})$	18040

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 5, 6, 10, 30^4\})$	8200
30	$\mathcal{O}(0; \{6, 10^3, 30^4\})$	32760
30	$\mathcal{O}(0; \{2^2, 5^2, 15, 30^4\})$	32760
30	$\mathcal{O}(0; \{5, 10^2, 15, 30^4\})$	131080
30	$\mathcal{O}(0; \{2^2, 3, 15^2, 30^4\})$	34440
30	$\mathcal{O}(0; \{6^2, 15^2, 30^4\})$	70520
30	$\mathcal{O}(0; \{2^2, 3, 10, 30^5\})$	18040
30	$\mathcal{O}(0; \{6^2, 10, 30^5\})$	34440
30	$\mathcal{O}(0; \{5, 6, 15, 30^5\})$	137592
30	$\mathcal{O}(0; \{5^2, 30^6\})$	288376
30	$\mathcal{O}(0; \{3, 15, 30^6\})$	281736
32	$\mathcal{O}(1; \{2^3, 4, 8, 32^2\})$	131072
32	$\mathcal{O}(1; \{4^3, 8, 32^2\})$	524288
32	$\mathcal{O}(1; \{2, 8^3, 32^2\})$	1048576
32	$\mathcal{O}(1; \{2, 4, 16^2, 32^2\})$	2097152
32	$\mathcal{O}(0; \{2^7, 4, 8, 32^2\})$	128
32	$\mathcal{O}(0; \{2^4, 4^3, 8, 32^2\})$	512
32	$\mathcal{O}(0; \{2, 4^5, 8, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^5, 8^3, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 32^2\})$	4096
32	$\mathcal{O}(0; \{4, 8^5, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^5, 4, 16^2, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^2, 4^3, 16^2, 32^2\})$	8192
32	$\mathcal{O}(0; \{2^3, 8^2, 16^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{4^2, 8^2, 16^2, 32^2\})$	65536
32	$\mathcal{O}(0; \{2, 8, 16^4, 32^2\})$	262144
32	$\mathcal{O}(0; \{2^3, 4, 16, 32^4\})$	65536
32	$\mathcal{O}(0; \{4^3, 16, 32^4\})$	262144
32	$\mathcal{O}(0; \{2, 8^2, 16, 32^4\})$	524288
32	$\mathcal{O}(0; \{2, 4, 32^6\})$	2097152
33	$\mathcal{O}(2; \{33^3\})$	213465780
33	$\mathcal{O}(1; \{3^3, 33^3\})$	2156220
33	$\mathcal{O}(0; \{3^2, 11^4, 33^2\})$	545460
33	$\mathcal{O}(0; \{3^6, 33^3\})$	15300
34	$\mathcal{O}(1; \{2^2, 17^4\})$	4457536
34	$\mathcal{O}(1; \{17^3, 34^2\})$	71302080
34	$\mathcal{O}(0; \{2^6, 17^4\})$	3856
34	$\mathcal{O}(0; \{2^4, 17^3, 34^2\})$	61680
34	$\mathcal{O}(0; \{2^2, 17^2, 34^4\})$	986896
34	$\mathcal{O}(0; \{17, 34^6\})$	15790320
35	$\mathcal{O}(2; \{5, 7, 35\})$	36015000
35	$\mathcal{O}(1; \{7^2, 35^3\})$	16317000
35	$\mathcal{O}(0; \{5^4, 7^4\})$	9672

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
35	$\mathcal{O}(0; \{5^6, 7, 35\})$	19656
35	$\mathcal{O}(0; \{5, 35^6\})$	21837816
36	$\mathcal{O}(2; \{2^2, 4^2\})$	3317760
36	$\mathcal{O}(2; \{4, 6, 12\})$	6635520
36	$\mathcal{O}(2; \{3, 12^2\})$	6635520
36	$\mathcal{O}(1; \{2^6, 4^2\})$	2304
36	$\mathcal{O}(1; \{2^2, 3^3, 4^2\})$	4608
36	$\mathcal{O}(1; \{2^3, 4^4\})$	9216
36	$\mathcal{O}(1; \{4^6\})$	36864
36	$\mathcal{O}(1; \{2^3, 3, 4^2, 6\})$	4608
36	$\mathcal{O}(1; \{3, 4^4, 6\})$	18432
36	$\mathcal{O}(1; \{3^2, 4^2, 6^2\})$	13824
36	$\mathcal{O}(1; \{2, 4^2, 6^3\})$	4608
36	$\mathcal{O}(1; \{2^3, 3^2, 4, 12\})$	4608
36	$\mathcal{O}(1; \{3^2, 4^3, 12\})$	18432
36	$\mathcal{O}(1; \{2^4, 4, 6, 12\})$	4608
36	$\mathcal{O}(1; \{3^3, 4, 6, 12\})$	23040
36	$\mathcal{O}(1; \{2, 4^3, 6, 12\})$	18432
36	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12\})$	13824
36	$\mathcal{O}(1; \{2^4, 3, 12^2\})$	4608
36	$\mathcal{O}(1; \{3^4, 12^2\})$	50688
36	$\mathcal{O}(1; \{2, 3, 4^2, 12^2\})$	18432
36	$\mathcal{O}(1; \{2, 3^2, 6, 12^2\})$	23040
36	$\mathcal{O}(1; \{2^2, 6^2, 12^2\})$	13824
36	$\mathcal{O}(1; \{9^3, 12^2\})$	186624
36	$\mathcal{O}(1; \{2^2, 4, 12^3\})$	18432
36	$\mathcal{O}(1; \{6, 12^4\})$	92160
36	$\mathcal{O}(1; \{2, 3, 4^2, 9, 18\})$	31104
36	$\mathcal{O}(1; \{2^2, 4, 9, 12, 18\})$	31104
36	$\mathcal{O}(1; \{6, 9, 12^2, 18\})$	124416
36	$\mathcal{O}(1; \{4, 12, 18^3\})$	93312
36	$\mathcal{O}(1; \{2^2, 4, 9^2, 36\})$	46656
36	$\mathcal{O}(1; \{6, 9^2, 12, 36\})$	186624
36	$\mathcal{O}(1; \{2, 3^2, 4, 18, 36\})$	62208
36	$\mathcal{O}(1; \{2^2, 4, 6, 18, 36\})$	31104
36	$\mathcal{O}(1; \{2^2, 3, 12, 18, 36\})$	62208
36	$\mathcal{O}(1; \{6^2, 12, 18, 36\})$	124416
36	$\mathcal{O}(1; \{4, 12^2, 18, 36\})$	248832
36	$\mathcal{O}(1; \{4, 9, 18^2, 36\})$	419904
36	$\mathcal{O}(1; \{2^2, 3, 9, 36^2\})$	93312
36	$\mathcal{O}(1; \{6^2, 9, 36^2\})$	186624
36	$\mathcal{O}(1; \{4, 9, 12, 36^2\})$	373248
36	$\mathcal{O}(1; \{3, 18^2, 36^2\})$	839808

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{4, 6, 36^3\})$	373248
36	$\mathcal{O}(1; \{3, 12, 36^3\})$	746496
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 9^3\})$	144
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 9^3\})$	72
36	$\mathcal{O}(0; \{4^4, 6, 9^3\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 9^3\})$	288
36	$\mathcal{O}(0; \{2^3, 3, 4, 9^3, 12\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^2, 9^3, 12\})$	288
36	$\mathcal{O}(0; \{2^4, 9^3, 12^2\})$	144
36	$\mathcal{O}(0; \{3^3, 9^3, 12^2\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 9^3, 12^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 6, 9^3, 12^2\})$	576
36	$\mathcal{O}(0; \{2^5, 3, 4^2, 9, 18\})$	24
36	$\mathcal{O}(0; \{2, 3^4, 4^2, 9, 18\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4^4, 9, 18\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 9, 18\})$	96
36	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 9, 18\})$	48
36	$\mathcal{O}(0; \{4^4, 6^2, 9, 18\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^3, 9, 18\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 9^4, 18\})$	1620
36	$\mathcal{O}(0; \{2^6, 4, 9, 12, 18\})$	24
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{2^3, 4^3, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{4^5, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{3, 4^3, 6, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2, 4, 6^3, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{2^3, 3^2, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{2^4, 6, 9, 12^2, 18\})$	96
36	$\mathcal{O}(0; \{3^3, 6, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^2, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{2, 3, 4, 9, 12^3, 18\})$	768
36	$\mathcal{O}(0; \{2^2, 9, 12^4, 18\})$	768
36	$\mathcal{O}(0; \{3^2, 4^2, 9^2, 18^2\})$	1296
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^2, 18^2\})$	648
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 12, 18^2\})$	1296
36	$\mathcal{O}(0; \{2^2, 9^2, 12^2, 18^2\})$	1296
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 18^3\})$	72

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4^4, 18^3\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 18^3\})$	288
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 18^3\})$	144
36	$\mathcal{O}(0; \{2^4, 4, 12, 18^3\})$	72
36	$\mathcal{O}(0; \{3^3, 4, 12, 18^3\})$	576
36	$\mathcal{O}(0; \{2, 4^3, 12, 18^3\})$	288
36	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 18^3\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 12^2, 18^3\})$	576
36	$\mathcal{O}(0; \{2^2, 6, 12^2, 18^3\})$	288
36	$\mathcal{O}(0; \{12^4, 18^3\})$	2304
36	$\mathcal{O}(0; \{9, 12^2, 18^4\})$	6480
36	$\mathcal{O}(0; \{2^6, 4, 9^2, 36\})$	36
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4^3, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{4^5, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 6, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^3, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 3^2, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2^4, 6, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{3^3, 6, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 6^2, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 12^2, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 9^2, 12^3, 36\})$	1152
36	$\mathcal{O}(0; \{2^5, 3^2, 4, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^5, 4, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^6, 4, 6, 18, 36\})$	24
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^3, 4^3, 6, 18, 36\})$	96
36	$\mathcal{O}(0; \{4^5, 6, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 18, 36\})$	96
36	$\mathcal{O}(0; \{3, 4^3, 6^2, 18, 36\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 6^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{2, 4, 6^4, 18, 36\})$	192
36	$\mathcal{O}(0; \{2, 3, 4, 9^3, 18, 36\})$	3240
36	$\mathcal{O}(0; \{2^6, 3, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3^4, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3, 4^4, 12, 18, 36\})$	768

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3^2, 6, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^4, 6^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{3^3, 6^2, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^3, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 9^3, 12, 18, 36\})$	3240
36	$\mathcal{O}(0; \{2^4, 4, 12^2, 18, 36\})$	192
36	$\mathcal{O}(0; \{3^3, 4, 12^2, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4^3, 12^2, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 3, 4, 6, 12^2, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 12^3, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2^2, 6, 12^3, 18, 36\})$	768
36	$\mathcal{O}(0; \{12^5, 18, 36\})$	6144
36	$\mathcal{O}(0; \{2^4, 4, 9, 18^2, 36\})$	324
36	$\mathcal{O}(0; \{3^3, 4, 9, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4^3, 9, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3^2, 9, 12, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 6, 9, 12, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{9, 12^3, 18^2, 36\})$	10368
36	$\mathcal{O}(0; \{9^2, 12, 18^3, 36\})$	21384
36	$\mathcal{O}(0; \{2^2, 4, 18^4, 36\})$	1620
36	$\mathcal{O}(0; \{6, 12, 18^4, 36\})$	6480
36	$\mathcal{O}(0; \{2^6, 3, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{2^2, 3^4, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4^4, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 3^2, 6, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^4, 6^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{3^3, 6^2, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 6^3, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^2, 9^4, 36^2\})$	10692
36	$\mathcal{O}(0; \{2^4, 4, 9, 12, 36^2\})$	288
36	$\mathcal{O}(0; \{3^3, 4, 9, 12, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 4^3, 9, 12, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 12, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 3^2, 9, 12^2, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^2, 6, 9, 12^2, 36^2\})$	1152
36	$\mathcal{O}(0; \{9, 12^4, 36^2\})$	9216
36	$\mathcal{O}(0; \{2, 3^2, 9^2, 18, 36^2\})$	6480

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 6, 9^2, 18, 36^2\})$	3240
36	$\mathcal{O}(0; \{9^2, 12^2, 18, 36^2\})$	25920
36	$\mathcal{O}(0; \{2^4, 3, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{3^4, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 3, 4^2, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3^2, 6, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 6^2, 18^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{9^3, 18^2, 36^2\})$	61236
36	$\mathcal{O}(0; \{2^2, 4, 12, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{6, 12^2, 18^2, 36^2\})$	10368
36	$\mathcal{O}(0; \{6, 9, 18^3, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^3, 3^2, 4, 36^3\})$	576
36	$\mathcal{O}(0; \{3^2, 4^3, 36^3\})$	2304
36	$\mathcal{O}(0; \{2^4, 4, 6, 36^3\})$	288
36	$\mathcal{O}(0; \{3^3, 4, 6, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 4^3, 6, 36^3\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4, 6^2, 36^3\})$	1152
36	$\mathcal{O}(0; \{2^4, 3, 12, 36^3\})$	576
36	$\mathcal{O}(0; \{3^4, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{2, 3, 4^2, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 3^2, 6, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{2^2, 6^2, 12, 36^3\})$	1152
36	$\mathcal{O}(0; \{9^3, 12, 36^3\})$	85536
36	$\mathcal{O}(0; \{2^2, 4, 12^2, 36^3\})$	2304
36	$\mathcal{O}(0; \{6, 12^3, 36^3\})$	9216
36	$\mathcal{O}(0; \{2^2, 4, 9, 18, 36^3\})$	6480
36	$\mathcal{O}(0; \{6, 9, 12, 18, 36^3\})$	25920
36	$\mathcal{O}(0; \{4, 18^3, 36^3\})$	42768
36	$\mathcal{O}(0; \{6, 9^2, 36^4\})$	85536
36	$\mathcal{O}(0; \{2^2, 3, 18, 36^4\})$	12960
36	$\mathcal{O}(0; \{6^2, 18, 36^4\})$	25920
36	$\mathcal{O}(0; \{4, 12, 18, 36^4\})$	51840
36	$\mathcal{O}(0; \{4, 9, 36^5\})$	171072
36	$\mathcal{O}(0; \{3, 36^6\})$	342144
38	$\mathcal{O}(0; \{2^3, 19^4, 38\})$	99450
38	$\mathcal{O}(0; \{2, 19^3, 38^3\})$	1790118
39	$\mathcal{O}(1; \{3^2, 13^2, 39\})$	401544
39	$\mathcal{O}(0; \{3^5, 13^2, 39\})$	2904
39	$\mathcal{O}(0; \{3^2, 13, 39^4\})$	421080
40	$\mathcal{O}(1; \{2, 8^2, 10^2\})$	25600
40	$\mathcal{O}(1; \{2, 5, 8, 10, 40\})$	76800
40	$\mathcal{O}(1; \{2, 4, 8, 20, 40\})$	102400
40	$\mathcal{O}(1; \{2, 5^2, 40^2\})$	332800

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^2, 5^3, 8^2, 10\})$	208
40	$\mathcal{O}(0; \{2^5, 8^2, 10^2\})$	16
40	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 10^2\})$	64
40	$\mathcal{O}(0; \{4, 8^4, 10^2\})$	512
40	$\mathcal{O}(0; \{5^2, 8^2, 10^3\})$	816
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 8^2, 20\})$	192
40	$\mathcal{O}(0; \{5^2, 8^4, 20\})$	1536
40	$\mathcal{O}(0; \{4, 5, 8^2, 10^2, 20\})$	832
40	$\mathcal{O}(0; \{5^3, 8^2, 20^2\})$	3264
40	$\mathcal{O}(0; \{2^3, 8^2, 10, 20^2\})$	192
40	$\mathcal{O}(0; \{4^2, 8^2, 10, 20^2\})$	768
40	$\mathcal{O}(0; \{2, 8^2, 20^4\})$	3328
40	$\mathcal{O}(0; \{2^2, 5^4, 8, 40\})$	816
40	$\mathcal{O}(0; \{2^5, 5, 8, 10, 40\})$	48
40	$\mathcal{O}(0; \{2^2, 4^2, 5, 8, 10, 40\})$	192
40	$\mathcal{O}(0; \{4, 5, 8^3, 10, 40\})$	1536
40	$\mathcal{O}(0; \{5^3, 8, 10^2, 40\})$	3280
40	$\mathcal{O}(0; \{2^3, 8, 10^3, 40\})$	208
40	$\mathcal{O}(0; \{4^2, 8, 10^3, 40\})$	832
40	$\mathcal{O}(0; \{2^5, 4, 8, 20, 40\})$	64
40	$\mathcal{O}(0; \{2^2, 4^3, 8, 20, 40\})$	256
40	$\mathcal{O}(0; \{2^3, 8^3, 20, 40\})$	512
40	$\mathcal{O}(0; \{4^2, 8^3, 20, 40\})$	2048
40	$\mathcal{O}(0; \{4, 5^2, 8, 10, 20, 40\})$	3264
40	$\mathcal{O}(0; \{2^3, 5, 8, 20^2, 40\})$	832
40	$\mathcal{O}(0; \{4^2, 5, 8, 20^2, 40\})$	3328
40	$\mathcal{O}(0; \{2, 8, 10^2, 20^2, 40\})$	3264
40	$\mathcal{O}(0; \{2^5, 5^2, 40^2\})$	208
40	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 40^2\})$	832
40	$\mathcal{O}(0; \{4, 5^2, 8^2, 40^2\})$	6656
40	$\mathcal{O}(0; \{5^4, 10, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^3, 5, 10^2, 40^2\})$	816
40	$\mathcal{O}(0; \{4^2, 5, 10^2, 40^2\})$	3264
40	$\mathcal{O}(0; \{2, 10^4, 40^2\})$	3280
40	$\mathcal{O}(0; \{4, 5^3, 20, 40^2\})$	13120
40	$\mathcal{O}(0; \{2^3, 4, 10, 20, 40^2\})$	832
40	$\mathcal{O}(0; \{4^3, 10, 20, 40^2\})$	3328
40	$\mathcal{O}(0; \{2, 8^2, 10, 20, 40^2\})$	6656
40	$\mathcal{O}(0; \{2, 5, 10, 20^2, 40^2\})$	13120
40	$\mathcal{O}(0; \{2, 4, 20^3, 40^2\})$	13056
40	$\mathcal{O}(0; \{2^3, 4, 8, 40^3\})$	1536
40	$\mathcal{O}(0; \{4^3, 8, 40^3\})$	6144
40	$\mathcal{O}(0; \{2, 8^3, 40^3\})$	12288

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2, 5, 8, 20, 40^3\})$	26112
40	$\mathcal{O}(0; \{2, 4, 10, 40^4\})$	26112
41	$\mathcal{O}(2; \{41^2\})$	113030440
42	$\mathcal{O}(2; \{14^2\})$	18439680
42	$\mathcal{O}(1; \{2^4, 14^2\})$	9408
42	$\mathcal{O}(1; \{3^3, 14^2\})$	21168
42	$\mathcal{O}(1; \{2, 3, 6, 14^2\})$	21168
42	$\mathcal{O}(1; \{2^2, 21^3\})$	105840
42	$\mathcal{O}(1; \{2, 3, 7^2, 42\})$	105840
42	$\mathcal{O}(1; \{2^2, 14, 21, 42\})$	105840
42	$\mathcal{O}(1; \{21^2, 42^2\})$	1968624
42	$\mathcal{O}(1; \{14, 42^3\})$	656208
42	$\mathcal{O}(0; \{3, 6, 7^4, 14\})$	2220
42	$\mathcal{O}(0; \{2^4, 3^3, 14^2\})$	12
42	$\mathcal{O}(0; \{3^6, 14^2\})$	132
42	$\mathcal{O}(0; \{2^5, 3, 6, 14^2\})$	12
42	$\mathcal{O}(0; \{2, 3^4, 6, 14^2\})$	60
42	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 14^2\})$	36
42	$\mathcal{O}(0; \{2^3, 6^3, 14^2\})$	12
42	$\mathcal{O}(0; \{3, 6^4, 14^2\})$	60
42	$\mathcal{O}(0; \{2^2, 3^2, 7^3, 21\})$	372
42	$\mathcal{O}(0; \{2^3, 6, 7^3, 21\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7^3, 21\})$	1116
42	$\mathcal{O}(0; \{3^2, 7^2, 14^2, 21\})$	2220
42	$\mathcal{O}(0; \{2, 6, 7^2, 14^2, 21\})$	2220
42	$\mathcal{O}(0; \{2^3, 3, 7, 14, 21^2\})$	372
42	$\mathcal{O}(0; \{3^2, 6, 7, 14, 21^2\})$	1860
42	$\mathcal{O}(0; \{2, 6^2, 7, 14, 21^2\})$	1116
42	$\mathcal{O}(0; \{2, 3, 14^3, 21^2\})$	2220
42	$\mathcal{O}(0; \{2^6, 21^3\})$	60
42	$\mathcal{O}(0; \{2^2, 3^3, 21^3\})$	660
42	$\mathcal{O}(0; \{2^3, 3, 6, 21^3\})$	300
42	$\mathcal{O}(0; \{3^2, 6^2, 21^3\})$	1260
42	$\mathcal{O}(0; \{2, 6^3, 21^3\})$	660
42	$\mathcal{O}(0; \{2^5, 3, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 7^2, 42\})$	300
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 7^2, 42\})$	180
42	$\mathcal{O}(0; \{2^3, 6^2, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{3, 6^3, 7^2, 42\})$	300
42	$\mathcal{O}(0; \{2^3, 3, 7, 14^2, 42\})$	372
42	$\mathcal{O}(0; \{3^2, 6, 7, 14^2, 42\})$	1116
42	$\mathcal{O}(0; \{2, 6^2, 7, 14^2, 42\})$	372
42	$\mathcal{O}(0; \{2, 3, 14^4, 42\})$	2220

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2, 7^4, 21, 42\})$	13332
42	$\mathcal{O}(0; \{2^6, 14, 21, 42\})$	60
42	$\mathcal{O}(0; \{2^2, 3^3, 14, 21, 42\})$	300
42	$\mathcal{O}(0; \{2^3, 3, 6, 14, 21, 42\})$	180
42	$\mathcal{O}(0; \{3^2, 6^2, 14, 21, 42\})$	660
42	$\mathcal{O}(0; \{2, 6^3, 14, 21, 42\})$	300
42	$\mathcal{O}(0; \{2, 3, 7, 21^3, 42\})$	11100
42	$\mathcal{O}(0; \{3^2, 7^3, 42^2\})$	6660
42	$\mathcal{O}(0; \{2, 6, 7^3, 42^2\})$	2220
42	$\mathcal{O}(0; \{2, 3, 7, 14, 21, 42^2\})$	6660
42	$\mathcal{O}(0; \{2^4, 21^2, 42^2\})$	1116
42	$\mathcal{O}(0; \{3^3, 21^2, 42^2\})$	7812
42	$\mathcal{O}(0; \{2, 3, 6, 21^2, 42^2\})$	4092
42	$\mathcal{O}(0; \{2^4, 14, 42^3\})$	372
42	$\mathcal{O}(0; \{3^3, 14, 42^3\})$	4092
42	$\mathcal{O}(0; \{2, 3, 6, 14, 42^3\})$	1860
42	$\mathcal{O}(0; \{2^2, 21, 42^4\})$	11100
42	$\mathcal{O}(0; \{42^6\})$	146652
44	$\mathcal{O}(1; \{2^2, 4, 22, 44\})$	38720
44	$\mathcal{O}(1; \{4, 44^3\})$	1393920
44	$\mathcal{O}(0; \{2, 4^2, 11^3, 22\})$	1820
44	$\mathcal{O}(0; \{2^6, 4, 22, 44\})$	20
44	$\mathcal{O}(0; \{2^3, 4^3, 22, 44\})$	80
44	$\mathcal{O}(0; \{4^5, 22, 44\})$	320
44	$\mathcal{O}(0; \{2^2, 11^3, 44^2\})$	18180
44	$\mathcal{O}(0; \{11^2, 22^2, 44^2\})$	181820
44	$\mathcal{O}(0; \{2^4, 4, 44^3\})$	720
44	$\mathcal{O}(0; \{2, 4^3, 44^3\})$	2880
45	$\mathcal{O}(2; \{5^2\})$	16200000
45	$\mathcal{O}(1; \{3^3, 5^2\})$	14400
45	$\mathcal{O}(1; \{5, 15^3\})$	187200
45	$\mathcal{O}(1; \{5, 9, 15, 45\})$	291600
45	$\mathcal{O}(1; \{3, 45^3\})$	874800
45	$\mathcal{O}(0; \{3^2, 5^2, 9^3\})$	288
45	$\mathcal{O}(0; \{3^2, 5^3, 9, 45\})$	1248
45	$\mathcal{O}(0; \{3^3, 5, 9, 15, 45\})$	1152
45	$\mathcal{O}(0; \{9, 15^4, 45\})$	19584
45	$\mathcal{O}(0; \{9^2, 15^2, 45^2\})$	33696
45	$\mathcal{O}(0; \{3^4, 45^3\})$	3456
45	$\mathcal{O}(0; \{9^3, 45^3\})$	64152
45	$\mathcal{O}(0; \{5, 15^2, 45^3\})$	59040
45	$\mathcal{O}(0; \{5, 9, 45^4\})$	165240
48	$\mathcal{O}(1; \{2^3, 16^2\})$	16384

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(1; \{4^2, 16^2\})$	65536
48	$\mathcal{O}(1; \{3, 6, 16^2\})$	36864
48	$\mathcal{O}(1; \{2, 16, 24, 48\})$	147456
48	$\mathcal{O}(1; \{3, 4, 48^2\})$	73728
48	$\mathcal{O}(1; \{2, 12, 48^2\})$	73728
48	$\mathcal{O}(0; \{2^3, 3^3, 16^2\})$	16
48	$\mathcal{O}(0; \{3^3, 4^2, 16^2\})$	64
48	$\mathcal{O}(0; \{2^4, 3, 6, 16^2\})$	16
48	$\mathcal{O}(0; \{3^4, 6, 16^2\})$	80
48	$\mathcal{O}(0; \{2, 3, 4^2, 6, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 3^2, 6^2, 16^2\})$	48
48	$\mathcal{O}(0; \{2^2, 6^3, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 3^2, 4, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{2^2, 4, 6, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{6, 8^2, 12, 16^2\})$	512
48	$\mathcal{O}(0; \{2^2, 3, 12^2, 16^2\})$	64
48	$\mathcal{O}(0; \{6^2, 12^2, 16^2\})$	192
48	$\mathcal{O}(0; \{4, 12^3, 16^2\})$	256
48	$\mathcal{O}(0; \{2^2, 3, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{6^2, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{4, 8, 12, 16^2, 24\})$	1024
48	$\mathcal{O}(0; \{3, 16^4, 24\})$	4096
48	$\mathcal{O}(0; \{4, 6, 16^2, 24^2\})$	512
48	$\mathcal{O}(0; \{3, 12, 16^2, 24^2\})$	1536
48	$\mathcal{O}(0; \{2, 3^2, 4, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{2^2, 4, 6, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{6, 8^3, 16, 48\})$	1024
48	$\mathcal{O}(0; \{2^2, 3, 8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{6^2, 8, 12, 16, 48\})$	384
48	$\mathcal{O}(0; \{4, 8, 12^2, 16, 48\})$	512
48	$\mathcal{O}(0; \{4, 6, 16^3, 48\})$	2048
48	$\mathcal{O}(0; \{3, 12, 16^3, 48\})$	2048
48	$\mathcal{O}(0; \{2^5, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{2, 3^3, 16, 24, 48\})$	320
48	$\mathcal{O}(0; \{2^2, 4^2, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{2^2, 3, 6, 16, 24, 48\})$	192
48	$\mathcal{O}(0; \{6^3, 16, 24, 48\})$	320
48	$\mathcal{O}(0; \{4, 8^2, 16, 24, 48\})$	2048
48	$\mathcal{O}(0; \{4, 6, 12, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{3, 12^2, 16, 24, 48\})$	1280
48	$\mathcal{O}(0; \{3, 8, 16, 24^2, 48\})$	3072
48	$\mathcal{O}(0; \{2^4, 3, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{3^4, 4, 48^2\})$	352

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2, 3, 4^3, 48^2\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 4, 6, 48^2\})$	160
48	$\mathcal{O}(0; \{2^2, 4, 6^2, 48^2\})$	96
48	$\mathcal{O}(0; \{2^2, 3, 8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{6^2, 8^2, 48^2\})$	768
48	$\mathcal{O}(0; \{2^5, 12, 48^2\})$	32
48	$\mathcal{O}(0; \{2, 3^3, 12, 48^2\})$	352
48	$\mathcal{O}(0; \{2^2, 4^2, 12, 48^2\})$	128
48	$\mathcal{O}(0; \{2^2, 3, 6, 12, 48^2\})$	160
48	$\mathcal{O}(0; \{6^3, 12, 48^2\})$	352
48	$\mathcal{O}(0; \{4, 8^2, 12, 48^2\})$	1024
48	$\mathcal{O}(0; \{4, 6, 12^2, 48^2\})$	640
48	$\mathcal{O}(0; \{3, 12^3, 48^2\})$	1408
48	$\mathcal{O}(0; \{3, 8, 16^2, 48^2\})$	4096
48	$\mathcal{O}(0; \{4, 6, 8, 24, 48^2\})$	1536
48	$\mathcal{O}(0; \{3, 8, 12, 24, 48^2\})$	2560
48	$\mathcal{O}(0; \{2^3, 24^2, 48^2\})$	768
48	$\mathcal{O}(0; \{4^2, 24^2, 48^2\})$	3072
48	$\mathcal{O}(0; \{3, 6, 24^2, 48^2\})$	2816
48	$\mathcal{O}(0; \{2^3, 16, 48^3\})$	1024
48	$\mathcal{O}(0; \{4^2, 16, 48^3\})$	4096
48	$\mathcal{O}(0; \{3, 6, 16, 48^3\})$	5120
48	$\mathcal{O}(0; \{2, 24, 48^4\})$	20480
50	$\mathcal{O}(1; \{2, 5, 25, 50\})$	200000
50	$\mathcal{O}(0; \{2, 10, 25^4\})$	26000
50	$\mathcal{O}(0; \{2^5, 5, 25, 50\})$	80
50	$\mathcal{O}(0; \{5^3, 10, 25, 50\})$	5120
50	$\mathcal{O}(0; \{2^3, 10^2, 25, 50\})$	320
50	$\mathcal{O}(0; \{2^3, 5, 50^3\})$	1200
50	$\mathcal{O}(0; \{2, 10^2, 50^3\})$	4800
51	$\mathcal{O}(0; \{3^2, 17^2, 51^2\})$	23136
52	$\mathcal{O}(0; \{2^3, 4, 13, 26, 52\})$	264
52	$\mathcal{O}(0; \{4^3, 13, 26, 52\})$	1056
52	$\mathcal{O}(0; \{2, 4, 26^3, 52\})$	3192
52	$\mathcal{O}(0; \{2, 4, 13, 52^3\})$	12768
54	$\mathcal{O}(2; \{2^2\})$	8398080
54	$\mathcal{O}(1; \{2^6\})$	2592
54	$\mathcal{O}(1; \{2^2, 3^3\})$	5184
54	$\mathcal{O}(1; \{2^3, 3, 6\})$	5184
54	$\mathcal{O}(1; \{3^2, 6^2\})$	15552
54	$\mathcal{O}(1; \{2, 6^3\})$	5184
54	$\mathcal{O}(1; \{2, 3, 9, 18\})$	31104
54	$\mathcal{O}(0; \{2, 3, 18, 27^3\})$	1944

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
54	$\mathcal{O}(0; \{2^3, 3, 9, 27, 54\})$	216
54	$\mathcal{O}(0; \{3^2, 6, 9, 27, 54\})$	864
54	$\mathcal{O}(0; \{2, 6^2, 9, 27, 54\})$	432
54	$\mathcal{O}(0; \{2, 3, 18^2, 27, 54\})$	1296
54	$\mathcal{O}(0; \{2, 3, 9, 54^3\})$	1944
55	$\mathcal{O}(1; \{55^3\})$	3267000
56	$\mathcal{O}(1; \{14, 56^2\})$	376320
56	$\mathcal{O}(0; \{2, 7^2, 8^2, 14\})$	120
56	$\mathcal{O}(0; \{2, 4, 8^2, 14, 28\})$	96
56	$\mathcal{O}(0; \{2, 4, 7, 8, 14, 56\})$	240
56	$\mathcal{O}(0; \{2^4, 14, 56^2\})$	120
56	$\mathcal{O}(0; \{2, 4^2, 14, 56^2\})$	480
56	$\mathcal{O}(0; \{2^2, 28^2, 56^2\})$	2976
56	$\mathcal{O}(0; \{28, 56^4\})$	142080
57	$\mathcal{O}(1; \{19^3\})$	883728
57	$\mathcal{O}(0; \{3^3, 19^3\})$	612
57	$\mathcal{O}(0; \{19^2, 57^3\})$	198900
60	$\mathcal{O}(1; \{5, 20^2\})$	76800
60	$\mathcal{O}(1; \{5, 12, 60\})$	57600
60	$\mathcal{O}(1; \{4, 30, 60\})$	57600
60	$\mathcal{O}(0; \{3, 4^2, 5, 6, 10\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 5, 10, 12\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 6, 10, 12\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 10, 12^2\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 5^2, 15\})$	48
60	$\mathcal{O}(0; \{2, 4, 5^2, 12, 15\})$	48
60	$\mathcal{O}(0; \{3^2, 4^2, 15^2\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 6, 15^2\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 12, 15^2\})$	48
60	$\mathcal{O}(0; \{2^2, 12^2, 15^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 10, 15, 20\})$	48
60	$\mathcal{O}(0; \{2^2, 10, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{3^3, 5, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 6, 20^2\})$	48
60	$\mathcal{O}(0; \{15^3, 20^2\})$	816
60	$\mathcal{O}(0; \{12, 15, 20^3\})$	832
60	$\mathcal{O}(0; \{3^2, 4^2, 10, 30\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 6, 10, 30\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 10, 12, 30\})$	16
60	$\mathcal{O}(0; \{2^2, 10, 12^2, 30\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 5, 15, 30\})$	48
60	$\mathcal{O}(0; \{12, 15^2, 20, 30\})$	624
60	$\mathcal{O}(0; \{2, 3^2, 20^2, 30\})$	48

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{2^2, 6, 20^2, 30\})$	48
60	$\mathcal{O}(0; \{12^2, 20^2, 30\})$	192
60	$\mathcal{O}(0; \{10, 15, 20^2, 30\})$	816
60	$\mathcal{O}(0; \{12^2, 15, 30^2\})$	240
60	$\mathcal{O}(0; \{10, 12, 20, 30^2\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 4, 5, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 5, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 4, 5, 6, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6^2, 60\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 10^2, 60\})$	48
60	$\mathcal{O}(0; \{2^4, 5, 12, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 5, 12, 60\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 5, 12, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 5, 6, 12, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 10^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{12, 15^3, 60\})$	1040
60	$\mathcal{O}(0; \{2, 3, 5^2, 20, 60\})$	208
60	$\mathcal{O}(0; \{2, 3^2, 15, 20, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 6, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{12^2, 15, 20, 60\})$	576
60	$\mathcal{O}(0; \{10, 15^2, 20, 60\})$	816
60	$\mathcal{O}(0; \{10, 12, 20^2, 60\})$	832
60	$\mathcal{O}(0; \{2^4, 4, 30, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 4, 30, 60\})$	80
60	$\mathcal{O}(0; \{2, 4^3, 30, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 4, 6, 30, 60\})$	48
60	$\mathcal{O}(0; \{2, 3^2, 12, 30, 60\})$	80
60	$\mathcal{O}(0; \{2^2, 6, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{12^3, 30, 60\})$	320
60	$\mathcal{O}(0; \{10, 12, 15, 30, 60\})$	624
60	$\mathcal{O}(0; \{2^2, 5, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{10^2, 20, 30, 60\})$	816
60	$\mathcal{O}(0; \{6, 20, 30^2, 60\})$	624
60	$\mathcal{O}(0; \{2, 3^2, 10, 60^2\})$	144
60	$\mathcal{O}(0; \{2^2, 6, 10, 60^2\})$	48
60	$\mathcal{O}(0; \{10, 12^2, 60^2\})$	576
60	$\mathcal{O}(0; \{2^2, 5, 15, 60^2\})$	208
60	$\mathcal{O}(0; \{10^2, 15, 60^2\})$	816
60	$\mathcal{O}(0; \{6, 20^2, 60^2\})$	832
60	$\mathcal{O}(0; \{6, 15, 30, 60^2\})$	1040
60	$\mathcal{O}(0; \{5, 30^2, 60^2\})$	2448
60	$\mathcal{O}(0; \{2^2, 4, 60^3\})$	192
60	$\mathcal{O}(0; \{6, 12, 60^3\})$	960

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{5, 20, 60^3\})$	3264
63	$\mathcal{O}(1; \{7^3\})$	105840
63	$\mathcal{O}(1; \{3, 21^2\})$	42336
63	$\mathcal{O}(0; \{9^3, 21^2\})$	432
63	$\mathcal{O}(0; \{7, 9^2, 21, 63\})$	1080
63	$\mathcal{O}(0; \{7^2, 9, 63^2\})$	3348
63	$\mathcal{O}(0; \{3, 21, 63^3\})$	13392
64	$\mathcal{O}(0; \{4, 8, 16, 64^2\})$	2048
65	$\mathcal{O}(0; \{5^2, 13, 65^2\})$	6864
66	$\mathcal{O}(1; \{2, 33, 66\})$	87120
66	$\mathcal{O}(0; \{2^2, 3, 11^2, 33\})$	180
66	$\mathcal{O}(0; \{6^2, 11^2, 33\})$	180
66	$\mathcal{O}(0; \{3, 11, 22^2, 33\})$	1820
66	$\mathcal{O}(0; \{2^5, 33, 66\})$	20
66	$\mathcal{O}(0; \{2, 3^3, 33, 66\})$	100
66	$\mathcal{O}(0; \{2^2, 3, 6, 33, 66\})$	60
66	$\mathcal{O}(0; \{6^3, 33, 66\})$	100
66	$\mathcal{O}(0; \{3, 11^2, 66^2\})$	1820
66	$\mathcal{O}(0; \{2^3, 66^3\})$	180
66	$\mathcal{O}(0; \{3, 6, 66^3\})$	900
68	$\mathcal{O}(0; \{2^2, 4^2, 17^2\})$	32
68	$\mathcal{O}(0; \{4^2, 17, 34^2\})$	480
68	$\mathcal{O}(0; \{2, 17, 34, 68^2\})$	7712
70	$\mathcal{O}(0; \{2^2, 5^2, 7^2\})$	24
70	$\mathcal{O}(0; \{5, 7^2, 10^2\})$	72
70	$\mathcal{O}(0; \{5^2, 7, 14^2\})$	120
70	$\mathcal{O}(0; \{2, 10, 35^3\})$	1560
70	$\mathcal{O}(0; \{5^3, 14, 70\})$	312
70	$\mathcal{O}(0; \{2^3, 10, 14, 70\})$	24
70	$\mathcal{O}(0; \{2^3, 7, 35, 70\})$	120
70	$\mathcal{O}(0; \{2, 14^2, 35, 70\})$	744
70	$\mathcal{O}(0; \{2, 7, 70^3\})$	2232
72	$\mathcal{O}(1; \{2, 8^2\})$	18432
72	$\mathcal{O}(0; \{3, 8^2, 9, 18\})$	48
72	$\mathcal{O}(0; \{2, 9, 18, 24^2\})$	96
72	$\mathcal{O}(0; \{2, 8, 18, 24, 36\})$	96
72	$\mathcal{O}(0; \{2^3, 8, 9, 72\})$	24
72	$\mathcal{O}(0; \{4^2, 8, 9, 72\})$	96
72	$\mathcal{O}(0; \{3, 6, 8, 9, 72\})$	96
72	$\mathcal{O}(0; \{2, 8, 18^2, 72\})$	72
72	$\mathcal{O}(0; \{3, 4, 9, 24, 72\})$	192
72	$\mathcal{O}(0; \{2, 9, 12, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 4, 8, 36, 72\})$	192

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{2, 8, 12, 36, 72\})$	192
72	$\mathcal{O}(0; \{3^2, 24, 36, 72\})$	384
72	$\mathcal{O}(0; \{2, 6, 24, 36, 72\})$	192
72	$\mathcal{O}(0; \{2, 9^2, 72^2\})$	648
72	$\mathcal{O}(0; \{3^2, 18, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 6, 18, 72^2\})$	144
76	$\mathcal{O}(0; \{2, 4, 19^2, 76\})$	612
78	$\mathcal{O}(0; \{2, 3, 26, 39^2\})$	264
78	$\mathcal{O}(0; \{2^3, 3, 13, 78\})$	24
78	$\mathcal{O}(0; \{3^2, 6, 13, 78\})$	72
78	$\mathcal{O}(0; \{2, 6^2, 13, 78\})$	24
78	$\mathcal{O}(0; \{2, 3, 26^2, 78\})$	264
80	$\mathcal{O}(0; \{2, 5^2, 16, 80\})$	96
80	$\mathcal{O}(0; \{2, 4, 5, 80^2\})$	192
81	$\mathcal{O}(2; \emptyset)$	42515280
81	$\mathcal{O}(1; \{3^3\})$	11664
82	$\mathcal{O}(1; \{82^2\})$	268960
82	$\mathcal{O}(0; \{2^4, 82^2\})$	40
83	$\mathcal{O}(0; \{83^4\})$	544726
84	$\mathcal{O}(1; \{28^2\})$	75264
84	$\mathcal{O}(0; \{3^3, 28^2\})$	24
84	$\mathcal{O}(0; \{2, 3, 6, 28^2\})$	24
84	$\mathcal{O}(0; \{2, 4^2, 21, 42\})$	24
84	$\mathcal{O}(0; \{3^2, 4, 7, 84\})$	24
84	$\mathcal{O}(0; \{2, 4, 6, 7, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 7, 12, 84\})$	24
84	$\mathcal{O}(0; \{2^2, 28, 42, 84\})$	120
84	$\mathcal{O}(0; \{2^2, 21, 84^2\})$	120
84	$\mathcal{O}(0; \{42^2, 84^2\})$	2232
84	$\mathcal{O}(0; \{28, 84^3\})$	2976
85	$\mathcal{O}(0; \{17, 85^3\})$	46272
88	$\mathcal{O}(0; \{2^2, 8, 44, 88\})$	80
88	$\mathcal{O}(0; \{11, 22, 88^2\})$	3640
88	$\mathcal{O}(0; \{8, 88^3\})$	5760
90	$\mathcal{O}(1; \{10^2\})$	28800
90	$\mathcal{O}(0; \{2^2, 9, 15, 45\})$	48
90	$\mathcal{O}(0; \{15, 18^2, 45\})$	144
90	$\mathcal{O}(0; \{9, 30^2, 45\})$	288
90	$\mathcal{O}(0; \{10, 18, 45^2\})$	216
90	$\mathcal{O}(0; \{15^2, 18, 90\})$	288
90	$\mathcal{O}(0; \{10, 18, 30, 90\})$	144
90	$\mathcal{O}(0; \{2, 3^2, 45, 90\})$	96
90	$\mathcal{O}(0; \{2^2, 6, 45, 90\})$	48

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
90	$\mathcal{O}(0; \{10, 15, 45, 90\})$	624
90	$\mathcal{O}(0; \{9, 18, 45, 90\})$	648
90	$\mathcal{O}(0; \{9, 15, 90^2\})$	432
90	$\mathcal{O}(0; \{6, 90^3\})$	432
96	$\mathcal{O}(0; \{6, 12, 32^2\})$	64
96	$\mathcal{O}(0; \{4, 32, 48, 96\})$	512
96	$\mathcal{O}(0; \{6, 8, 96^2\})$	128
96	$\mathcal{O}(0; \{4, 24, 96^2\})$	256
99	$\mathcal{O}(0; \{3, 99^3\})$	3240
100	$\mathcal{O}(0; \{4, 20, 25^2\})$	160
100	$\mathcal{O}(0; \{4, 10, 50, 100\})$	160
102	$\mathcal{O}(0; \{2^2, 3, 17, 51\})$	32
102	$\mathcal{O}(0; \{6^2, 17, 51\})$	32
102	$\mathcal{O}(0; \{3, 34^2, 51\})$	480
102	$\mathcal{O}(0; \{3, 17, 102^2\})$	480
105	$\mathcal{O}(0; \{5, 7, 15, 21\})$	48
105	$\mathcal{O}(0; \{3, 15, 35^2\})$	144
105	$\mathcal{O}(0; \{5^2, 21, 105\})$	144
105	$\mathcal{O}(0; \{3, 15, 21, 105\})$	144
108	$\mathcal{O}(1; \{4^2\})$	20736
110	$\mathcal{O}(0; \{2^3, 55, 110\})$	40
110	$\mathcal{O}(0; \{2, 110^3\})$	1080
112	$\mathcal{O}(0; \{2, 28, 112^2\})$	480
114	$\mathcal{O}(0; \{3, 6, 19, 38\})$	36
114	$\mathcal{O}(0; \{2, 19, 57, 114\})$	612
120	$\mathcal{O}(0; \{2, 10, 24, 120\})$	32
120	$\mathcal{O}(0; \{2, 8, 60, 120\})$	64
123	$\mathcal{O}(0; \{3^2, 123^2\})$	240
126	$\mathcal{O}(0; \{2, 7, 18, 63\})$	36
130	$\mathcal{O}(0; \{2, 5, 26, 65\})$	48
132	$\mathcal{O}(0; \{2, 4, 66, 132\})$	40
162	$\mathcal{O}(1; \{2^2\})$	23328
164	$\mathcal{O}(0; \{2^2, 164^2\})$	80
165	$\mathcal{O}(0; \{165^3\})$	2160
166	$\mathcal{O}(0; \{2^2, 83^2\})$	82
166	$\mathcal{O}(0; \{83, 166^2\})$	6642
168	$\mathcal{O}(0; \{56, 84, 168\})$	480
168	$\mathcal{O}(0; \{42, 168^2\})$	240
170	$\mathcal{O}(0; \{34, 85, 170\})$	960
175	$\mathcal{O}(0; \{25, 35, 175\})$	480
176	$\mathcal{O}(0; \{16, 88, 176\})$	320
180	$\mathcal{O}(0; \{20, 36, 45\})$	48
180	$\mathcal{O}(0; \{15, 36, 180\})$	96

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
180	$\mathcal{O}(0; \{12, 90, 180\})$	96
198	$\mathcal{O}(0; \{6, 99, 198\})$	120
205	$\mathcal{O}(0; \{5, 205^2\})$	480
210	$\mathcal{O}(0; \{5, 42, 210\})$	48
220	$\mathcal{O}(0; \{4, 110, 220\})$	80
246	$\mathcal{O}(0; \{3, 246^2\})$	80
249	$\mathcal{O}(0; \{3, 83, 249\})$	164
328	$\mathcal{O}(0; \{2, 328^2\})$	160
330	$\mathcal{O}(0; \{2, 165, 330\})$	80

Table 3: 83-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(83; \emptyset)$	1
2	$\mathcal{O}(42; \emptyset)$	19342813113834066795298815
2	$\mathcal{O}(41; \{2^4\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^8\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{12}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{16}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{20}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{24}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{28}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{32}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{36}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{40}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{44}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{48}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{52}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{56}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{60}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{64}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{68}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{72}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{76}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{80}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{84}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{88}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{92}\})$	274877906944
2	$\mathcal{O}(18; \{2^{96}\})$	68719476736
2	$\mathcal{O}(17; \{2^{100}\})$	17179869184

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(16; \{2^{104}\})$	4294967296
2	$\mathcal{O}(15; \{2^{108}\})$	1073741824
2	$\mathcal{O}(14; \{2^{112}\})$	268435456
2	$\mathcal{O}(13; \{2^{116}\})$	67108864
2	$\mathcal{O}(12; \{2^{120}\})$	16777216
2	$\mathcal{O}(11; \{2^{124}\})$	4194304
2	$\mathcal{O}(10; \{2^{128}\})$	1048576
2	$\mathcal{O}(9; \{2^{132}\})$	262144
2	$\mathcal{O}(8; \{2^{136}\})$	65536
2	$\mathcal{O}(7; \{2^{140}\})$	16384
2	$\mathcal{O}(6; \{2^{144}\})$	4096
2	$\mathcal{O}(5; \{2^{148}\})$	1024
2	$\mathcal{O}(4; \{2^{152}\})$	256
2	$\mathcal{O}(3; \{2^{156}\})$	64
2	$\mathcal{O}(2; \{2^{160}\})$	16
2	$\mathcal{O}(1; \{2^{164}\})$	4
2	$\mathcal{O}(0; \{2^{168}\})$	1
3	$\mathcal{O}(27; \{3^4\})$	348898422018240358142341014
3	$\mathcal{O}(26; \{3^7\})$	271365439347520278555154122
3	$\mathcal{O}(25; \{3^{10}\})$	245521111790613585359425158
3	$\mathcal{O}(24; \{3^{13}\})$	217762389599861951926975530
3	$\mathcal{O}(23; \{3^{16}\})$	193619746161928538941664934
3	$\mathcal{O}(22; \{3^{19}\})$	172100532407412266280749322
3	$\mathcal{O}(21; \{3^{22}\})$	152978907542745692434821318
3	$\mathcal{O}(20; \{3^{25}\})$	135981178203114527822712810
3	$\mathcal{O}(19; \{3^{28}\})$	120872166507878775213697254
3	$\mathcal{O}(18; \{3^{31}\})$	107441924884213321741291722
3	$\mathcal{O}(17; \{3^{34}\})$	95503933330474931745814278
3	$\mathcal{O}(16; \{3^{37}\})$	84892385171526262640946090
3	$\mathcal{O}(15; \{3^{40}\})$	75459897931480913584519974
3	$\mathcal{O}(14; \{3^{43}\})$	67075464827845773542621322
3	$\mathcal{O}(13; \{3^{46}\})$	59622635402544827677300038
3	$\mathcal{O}(12; \{3^{49}\})$	52997898135593707802603370
3	$\mathcal{O}(11; \{3^{52}\})$	47109242787194595222005094
3	$\mathcal{O}(10; \{3^{55}\})$	41874882477506285943298122
3	$\mathcal{O}(9; \{3^{58}\})$	37222117757783367607454598
3	$\mathcal{O}(8; \{3^{61}\})$	33086326895807437615012650
3	$\mathcal{O}(7; \{3^{64}\})$	29410068351828833464264614
3	$\mathcal{O}(6; \{3^{67}\})$	26142282979403407520602122
3	$\mathcal{O}(5; \{3^{70}\})$	23237584870580806685333958
3	$\mathcal{O}(4; \{3^{73}\})$	20655630996071828164701930
3	$\mathcal{O}(3; \{3^{76}\})$	18360560885397180590850534
3	$\mathcal{O}(2; \{3^{79}\})$	16320498564797493858533322

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(1; \{3^{82}\})$	14507109835375550096474118
3	$\mathcal{O}(0; \{3^{85}\})$	12895208742556044530199210
4	$\mathcal{O}(21; \{2^2\})$	19342813113829668748787712
4	$\mathcal{O}(20; \{2^6\})$	1208925819613529663078400
4	$\mathcal{O}(20; \{2^3, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{4^4\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{2^{10}\})$	75557863725639445512192
4	$\mathcal{O}(19; \{2^7, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^4, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2^{14}\})$	4722366482800925736960
4	$\mathcal{O}(18; \{2^{11}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^8, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^5, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^2, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^{18}\})$	295147905162172956672
4	$\mathcal{O}(17; \{2^{15}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{12}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^9, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^6, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^3, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{2^{22}\})$	18446744069414584320
4	$\mathcal{O}(16; \{2^{19}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{16}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{13}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{10}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^7, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^4, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2^{26}\})$	1152921503533105152
4	$\mathcal{O}(15; \{2^{23}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{20}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{17}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{14}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{11}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^8, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^5, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^2, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^{30}\})$	72057593769492480
4	$\mathcal{O}(14; \{2^{27}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{24}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{21}, 4^6\})$	2305843009213693952

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(14; \{2^{18}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{15}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{12}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^9, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^6, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^3, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{2^{34}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^{31}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{28}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{25}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{22}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{19}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{16}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{13}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{10}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^7, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^4, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2^{38}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{35}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{32}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{29}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{26}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{23}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{20}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{17}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{14}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{11}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^8, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^5, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^2, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^{42}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{39}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{36}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{33}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{30}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{27}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{24}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{21}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{18}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{15}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{12}, 4^{20}\})$	9223372036854775808

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(11; \{2^9, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^6, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^3, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(10; \{2^{46}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{43}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{40}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{37}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{34}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{31}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{28}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{25}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{22}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{19}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{16}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{13}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{10}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^7, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^4, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2^{50}\})$	68719214592
4	$\mathcal{O}(9; \{2^{47}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{44}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{41}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{38}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{35}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{32}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{29}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{26}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{23}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{20}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{17}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{14}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{11}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^8, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^5, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^2, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^{54}\})$	4294901760
4	$\mathcal{O}(8; \{2^{51}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{48}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{45}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{42}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{39}, 4^{10}\})$	2199023255552

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{36}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{33}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{30}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{27}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{24}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{21}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{18}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{15}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{12}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^9, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^6, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^3, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{4^{36}\})$	147573952589676412928
4	$\mathcal{O}(7; \{2^{58}\})$	268419072
4	$\mathcal{O}(7; \{2^{55}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{52}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{49}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{46}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{43}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{40}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{37}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{34}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{31}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{28}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{25}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{22}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{19}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{16}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{13}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{10}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^7, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^4, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2^{62}\})$	16773120
4	$\mathcal{O}(6; \{2^{59}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{56}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{53}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{50}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{47}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{44}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{41}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{38}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{35}, 4^{18}\})$	2199023255552

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{32}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{29}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{26}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{23}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{20}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{17}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{14}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{11}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^8, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^5, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^2, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^{66}\})$	1047552
4	$\mathcal{O}(5; \{2^{63}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{60}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{57}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{54}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{51}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{48}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{45}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{42}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{39}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{36}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{33}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{30}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{27}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{24}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{21}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{18}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{15}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{12}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^9, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^6, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^3, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{4^{44}\})$	9223372036854775808
4	$\mathcal{O}(4; \{2^{70}\})$	65280
4	$\mathcal{O}(4; \{2^{67}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{64}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{61}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{58}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{55}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{52}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{49}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{46}, 4^{16}\})$	2147483648

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{43}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{40}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{37}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{34}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{31}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{28}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{25}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{22}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{19}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{16}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{13}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{10}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^7, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^4, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2^{74}\})$	4032
4	$\mathcal{O}(3; \{2^{71}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{68}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{65}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{62}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{59}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{56}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{53}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{50}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{47}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{44}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{41}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{38}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{35}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{32}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{29}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{26}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{23}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{20}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{17}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{14}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{11}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^8, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^5, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^2, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(2; \{2^{78}\})$	240
4	$\mathcal{O}(2; \{2^{75}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{72}, 4^4\})$	2048

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{69}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{66}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{63}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{60}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{57}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{54}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{51}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{48}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{45}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{42}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{39}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{36}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{33}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{30}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{27}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{24}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{21}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{18}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{15}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{12}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^9, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^6, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^3, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{4^{52}\})$	576460752303423488
4	$\mathcal{O}(1; \{2^{82}\})$	12
4	$\mathcal{O}(1; \{2^{79}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{76}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{73}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{70}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{67}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{64}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{61}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{58}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{55}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{52}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{49}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{46}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{43}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{40}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{37}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{34}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{31}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{28}, 4^{36}\})$	549755813888

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{25}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{22}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{19}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{16}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{13}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{10}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^7, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^4, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(0; \{2^{83}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{80}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{77}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{74}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{71}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{68}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{65}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{62}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{59}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{56}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{53}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{50}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{47}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{44}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{41}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{38}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{35}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{32}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{29}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{26}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{23}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{20}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{17}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{14}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{11}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^8, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^5, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^2, 4^{56}\})$	36028797018963968
5	$\mathcal{O}(15; \{5^6\})$	763684511184692382812500
5	$\mathcal{O}(13; \{5^{11}\})$	1249998807907104492187500
5	$\mathcal{O}(11; \{5^{16}\})$	2048000001907348632812500
5	$\mathcal{O}(9; \{5^{21}\})$	3355443199996948242187500
5	$\mathcal{O}(7; \{5^{26}\})$	5497558138880004882812500
5	$\mathcal{O}(5; \{5^{31}\})$	9007199254740991992187500

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(3; \{5^{36}\})$	14757395258967641292812500
5	$\mathcal{O}(1; \{5^{41}\})$	24178516392292583494123500
6	$\mathcal{O}(14; \{3^2\})$	12281884383176046084510
6	$\mathcal{O}(13; \{2^4, 3^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{3^5\})$	1705817256377123799270
6	$\mathcal{O}(13; \{2, 3^3, 6\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2^2, 3, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{6^4\})$	1023490369077469249536
6	$\mathcal{O}(12; \{2^8, 3^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^4, 3^5\})$	47383813383216168960
6	$\mathcal{O}(12; \{3^8\})$	407500770806718915690
6	$\mathcal{O}(12; \{2^5, 3^3, 6\})$	28430288029929701376
6	$\mathcal{O}(12; \{2, 3^6, 6\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^6, 3, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^2, 3^4, 6^2\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^3, 3^2, 6^3\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^4, 6^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{3^3, 6^4\})$	199012016209507909632
6	$\mathcal{O}(12; \{2, 3, 6^5\})$	104244389443075571712
6	$\mathcal{O}(11; \{2^{12}, 3^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^8, 3^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^4, 3^8\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^{11}\})$	89765980618543533414
6	$\mathcal{O}(11; \{2^9, 3^3, 6\})$	789730223053602816
6	$\mathcal{O}(11; \{2^5, 3^6, 6\})$	5528111561375219712
6	$\mathcal{O}(11; \{2, 3^9, 6\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^{10}, 3, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^6, 3^4, 6^2\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^2, 3^7, 6^2\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^7, 3^2, 6^3\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^3, 3^5, 6^3\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^8, 6^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^4, 3^3, 6^4\})$	5528111561375219712
6	$\mathcal{O}(11; \{3^6, 6^4\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^5, 3, 6^5\})$	2895677484529876992
6	$\mathcal{O}(11; \{2, 3^4, 6^5\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^2, 3^2, 6^6\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^3, 6^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{3, 6^8\})$	22375689653185413120
6	$\mathcal{O}(10; \{2^{16}, 3^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{12}, 3^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^8, 3^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^4, 3^{11}\})$	2493500056122949632

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{3^{14}\})$	19969918354807576650
6	$\mathcal{O}(10; \{2^{13}, 3^3, 6\})$	21936950640377856
6	$\mathcal{O}(10; \{2^9, 3^6, 6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^5, 3^9, 6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2, 3^{12}, 6\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{14}, 3, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{10}, 3^4, 6^2\})$	80435485681385472
6	$\mathcal{O}(10; \{2^6, 3^7, 6^2\})$	621546934810705920
6	$\mathcal{O}(10; \{2^2, 3^{10}, 6^2\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{11}, 3^2, 6^3\})$	36561584400629760
6	$\mathcal{O}(10; \{2^7, 3^5, 6^3\})$	314429625845415936
6	$\mathcal{O}(10; \{2^3, 3^8, 6^3\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^{12}, 6^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^8, 3^3, 6^4\})$	153558654482644992
6	$\mathcal{O}(10; \{2^4, 3^6, 6^4\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^9, 6^4\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^9, 3, 6^5\})$	80435485681385472
6	$\mathcal{O}(10; \{2^5, 3^4, 6^5\})$	621546934810705920
6	$\mathcal{O}(10; \{2, 3^7, 6^5\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^6, 3^2, 6^6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^2, 3^5, 6^6\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^7, 6^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^3, 3^3, 6^7\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^4, 3, 6^8\})$	621546934810705920
6	$\mathcal{O}(10; \{3^4, 6^8\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 3^2, 6^9\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 6^{10}\})$	1250406186501537792
6	$\mathcal{O}(9; \{2^{20}, 3^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{16}, 3^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{12}, 3^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^8, 3^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^{14}\})$	554720483322888192
6	$\mathcal{O}(9; \{3^{17}\})$	4437137580441930630
6	$\mathcal{O}(9; \{2^{17}, 3^3, 6\})$	609359740010496
6	$\mathcal{O}(9; \{2^{13}, 3^6, 6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^9, 3^9, 6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^5, 3^{12}, 6\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^{15}, 6\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{18}, 3, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{14}, 3^4, 6^2\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{10}, 3^7, 6^2\})$	17265192633630720
6	$\mathcal{O}(9; \{2^6, 3^{10}, 6^2\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^{13}, 6^2\})$	1109237846732439552

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^{15}, 3^2, 6^3\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{11}, 3^5, 6^3\})$	8734156273483776
6	$\mathcal{O}(9; \{2^7, 3^8, 6^3\})$	69263890447859712
6	$\mathcal{O}(9; \{2^3, 3^{11}, 6^3\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{16}, 6^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{12}, 3^3, 6^4\})$	4265518180073472
6	$\mathcal{O}(9; \{2^8, 3^6, 6^4\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^9, 6^4\})$	277258681704775680
6	$\mathcal{O}(9; \{3^{12}, 6^4\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{13}, 3, 6^5\})$	2234319046705152
6	$\mathcal{O}(9; \{2^9, 3^4, 6^5\})$	17265192633630720
6	$\mathcal{O}(9; \{2^5, 3^7, 6^5\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^{10}, 6^5\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{10}, 3^2, 6^6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^6, 3^5, 6^6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^2, 3^8, 6^6\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{11}, 6^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^7, 3^3, 6^7\})$	34733505180598272
6	$\mathcal{O}(9; \{2^3, 3^6, 6^7\})$	277258681704775680
6	$\mathcal{O}(9; \{2^8, 3, 6^8\})$	17265192633630720
6	$\mathcal{O}(9; \{2^4, 3^4, 6^8\})$	138730900809056256
6	$\mathcal{O}(9; \{3^7, 6^8\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^5, 3^2, 6^9\})$	69263890447859712
6	$\mathcal{O}(9; \{2, 3^5, 6^9\})$	554720483322888192
6	$\mathcal{O}(9; \{2^6, 6^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^2, 3^3, 6^{10}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3, 6^{11}\})$	138730900809056256
6	$\mathcal{O}(9; \{3^2, 6^{12}\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 6^{13}\})$	277258681704775680
6	$\mathcal{O}(8; \{2^{24}, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{20}, 3^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{16}, 3^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{12}, 3^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^8, 3^{14}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^{17}\})$	123254291856752640
6	$\mathcal{O}(8; \{3^{20}\})$	986036215565261610
6	$\mathcal{O}(8; \{2^{21}, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2^{17}, 3^6, 6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{13}, 3^9, 6\})$	964819588349952
6	$\mathcal{O}(8; \{2^9, 3^{12}, 6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^{15}, 6\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^{18}, 6\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{22}, 3, 6^2\})$	5642219814912

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{18}, 3^4, 6^2\})$	62064417964032
6	$\mathcal{O}(8; \{2^{14}, 3^7, 6^2\})$	479588684267520
6	$\mathcal{O}(8; \{2^{10}, 3^{10}, 6^2\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^{13}, 6^2\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^{16}, 6^2\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{19}, 3^2, 6^3\})$	28211099074560
6	$\mathcal{O}(8; \{2^{15}, 3^5, 6^3\})$	242615452041216
6	$\mathcal{O}(8; \{2^{11}, 3^8, 6^3\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^{11}, 6^3\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^{14}, 6^3\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{20}, 6^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{16}, 3^3, 6^4\})$	118486616113152
6	$\mathcal{O}(8; \{2^{12}, 3^6, 6^4\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^9, 6^4\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^{12}, 6^4\})$	61629967038283776
6	$\mathcal{O}(8; \{3^{15}, 6^4\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{17}, 3, 6^5\})$	62064417964032
6	$\mathcal{O}(8; \{2^{13}, 3^4, 6^5\})$	479588684267520
6	$\mathcal{O}(8; \{2^9, 3^7, 6^5\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^{10}, 6^5\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^{13}, 6^5\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{14}, 3^2, 6^6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{10}, 3^5, 6^6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^6, 3^8, 6^6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^{11}, 6^6\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{15}, 6^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{11}, 3^3, 6^7\})$	964819588349952
6	$\mathcal{O}(8; \{2^7, 3^6, 6^7\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^9, 6^7\})$	61629967038283776
6	$\mathcal{O}(8; \{2^{12}, 3, 6^8\})$	479588684267520
6	$\mathcal{O}(8; \{2^8, 3^4, 6^8\})$	3853636133584896
6	$\mathcal{O}(8; \{2^4, 3^7, 6^8\})$	30812162409234432
6	$\mathcal{O}(8; \{3^{10}, 6^8\})$	246514225933320192
6	$\mathcal{O}(8; \{2^9, 3^2, 6^9\})$	1923996956884992
6	$\mathcal{O}(8; \{2^5, 3^5, 6^9\})$	15408902314524672
6	$\mathcal{O}(8; \{2, 3^8, 6^9\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{10}, 6^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^6, 3^3, 6^{10}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^2, 3^6, 6^{10}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^7, 3, 6^{11}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^3, 3^4, 6^{11}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^2, 6^{12}\})$	15408902314524672
6	$\mathcal{O}(8; \{3^5, 6^{12}\})$	123254291856752640

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^5, 6^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2, 3^3, 6^{13}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3, 6^{14}\})$	30812162409234432
6	$\mathcal{O}(8; \{6^{16}\})$	61629967038283776
6	$\mathcal{O}(7; \{2^{28}, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{24}, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{20}, 3^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{16}, 3^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{20}\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{23}\})$	219108658226079654
6	$\mathcal{O}(7; \{2^{25}, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^{21}, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{17}, 3^9, 6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{13}, 3^{12}, 6\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^{15}, 6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^{18}, 6\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{21}, 6\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{26}, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{22}, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2^{18}, 3^7, 6^2\})$	13321907896320
6	$\mathcal{O}(7; \{2^{14}, 3^{10}, 6^2\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^{13}, 6^2\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^{16}, 6^2\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{19}, 6^2\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{23}, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^{19}, 3^5, 6^3\})$	6739318112256
6	$\mathcal{O}(7; \{2^{15}, 3^8, 6^3\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^{11}, 6^3\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^{14}, 6^3\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^{17}, 6^3\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{24}, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{20}, 3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{2^{16}, 3^6, 6^4\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^9, 6^4\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^{12}, 6^4\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^{15}, 6^4\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{18}, 6^4\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{21}, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(7; \{2^{17}, 3^4, 6^5\})$	13321907896320
6	$\mathcal{O}(7; \{2^{13}, 3^7, 6^5\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^{10}, 6^5\})$	855893400256512

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^5, 3^{13}, 6^5\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{16}, 6^5\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{18}, 3^2, 6^6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{14}, 3^5, 6^6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{10}, 3^8, 6^6\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^{11}, 6^6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^{14}, 6^6\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{19}, 6^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{15}, 3^3, 6^7\})$	26800544120832
6	$\mathcal{O}(7; \{2^{11}, 3^6, 6^7\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^9, 6^7\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^{12}, 6^7\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{16}, 3, 6^8\})$	13321907896320
6	$\mathcal{O}(7; \{2^{12}, 3^4, 6^8\})$	107045448155136
6	$\mathcal{O}(7; \{2^8, 3^7, 6^8\})$	855893400256512
6	$\mathcal{O}(7; \{2^4, 3^{10}, 6^8\})$	6847617387036672
6	$\mathcal{O}(7; \{3^{13}, 6^8\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{13}, 3^2, 6^9\})$	53444359913472
6	$\mathcal{O}(7; \{2^9, 3^5, 6^9\})$	428025064292352
6	$\mathcal{O}(7; \{2^5, 3^8, 6^9\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^{11}, 6^9\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{14}, 6^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{10}, 3^3, 6^{10}\})$	213934167982080
6	$\mathcal{O}(7; \{2^6, 3^6, 6^{10}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^9, 6^{10}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{11}, 3, 6^{11}\})$	107045448155136
6	$\mathcal{O}(7; \{2^7, 3^4, 6^{11}\})$	855893400256512
6	$\mathcal{O}(7; \{2^3, 3^7, 6^{11}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^8, 3^2, 6^{12}\})$	428025064292352
6	$\mathcal{O}(7; \{2^4, 3^5, 6^{12}\})$	3423730329354240
6	$\mathcal{O}(7; \{3^8, 6^{12}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^9, 6^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^5, 3^3, 6^{13}\})$	1711943528841216
6	$\mathcal{O}(7; \{2, 3^6, 6^{13}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^6, 3, 6^{14}\})$	855893400256512
6	$\mathcal{O}(7; \{2^2, 3^4, 6^{14}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^2, 6^{15}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 6^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{3^3, 6^{16}\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3, 6^{17}\})$	6847617387036672
6	$\mathcal{O}(6; \{2^{32}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{28}, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{24}, 3^8\})$	187203280896

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{20}, 3^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{20}\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{23}\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{26}\})$	48681909898311690
6	$\mathcal{O}(6; \{2^{29}, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^{25}, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^{21}, 3^9, 6\})$	744459558912
6	$\mathcal{O}(6; \{2^{17}, 3^{12}, 6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^{15}, 6\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^{18}, 6\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{21}, 6\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{24}, 6\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{30}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{26}, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^{22}, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^{18}, 3^{10}, 6^2\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^{13}, 6^2\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^{16}, 6^2\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{19}, 6^2\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{22}, 6^2\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{27}, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^{23}, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2^{19}, 3^8, 6^3\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^{11}, 6^3\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^{14}, 6^3\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^{17}, 6^3\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{20}, 6^3\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{28}, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{24}, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^{20}, 3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^9, 6^4\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^{12}, 6^4\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^{15}, 6^4\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{18}, 6^4\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{21}, 6^4\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{25}, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2^{21}, 3^4, 6^5\})$	370052997120
6	$\mathcal{O}(6; \{2^{17}, 3^7, 6^5\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^{10}, 6^5\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^{13}, 6^5\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{16}, 6^5\})$	1521679691980800

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2, 3^{19}, 6^5\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{22}, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2^{18}, 3^5, 6^6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{14}, 3^8, 6^6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^{11}, 6^6\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^{14}, 6^6\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{17}, 6^6\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{23}, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{19}, 3^3, 6^7\})$	744459558912
6	$\mathcal{O}(6; \{2^{15}, 3^6, 6^7\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^9, 6^7\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^{12}, 6^7\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^{15}, 6^7\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{20}, 3, 6^8\})$	370052997120
6	$\mathcal{O}(6; \{2^{16}, 3^4, 6^8\})$	2973484670976
6	$\mathcal{O}(6; \{2^{12}, 3^7, 6^8\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^{10}, 6^8\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^{13}, 6^8\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{16}, 6^8\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{17}, 3^2, 6^9\})$	1484565553152
6	$\mathcal{O}(6; \{2^{13}, 3^5, 6^9\})$	11889585119232
6	$\mathcal{O}(6; \{2^9, 3^8, 6^9\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^{11}, 6^9\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^{14}, 6^9\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{18}, 6^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{14}, 3^3, 6^{10}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{10}, 3^6, 6^{10}\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^9, 6^{10}\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^{12}, 6^{10}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{15}, 3, 6^{11}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{11}, 3^4, 6^{11}\})$	23774816673792
6	$\mathcal{O}(6; \{2^7, 3^7, 6^{11}\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^{10}, 6^{11}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^{12}, 3^2, 6^{12}\})$	11889585119232
6	$\mathcal{O}(6; \{2^8, 3^5, 6^{12}\})$	95103620259840
6	$\mathcal{O}(6; \{2^4, 3^8, 6^{12}\})$	760842022772736
6	$\mathcal{O}(6; \{3^{11}, 6^{12}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{13}, 6^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^9, 3^3, 6^{13}\})$	47553986912256
6	$\mathcal{O}(6; \{2^5, 3^6, 6^{13}\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^9, 6^{13}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{10}, 3, 6^{14}\})$	23774816673792
6	$\mathcal{O}(6; \{2^6, 3^4, 6^{14}\})$	190211594084352

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^2, 3^7, 6^{14}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^7, 3^2, 6^{15}\})$	95103620259840
6	$\mathcal{O}(6; \{2^3, 3^5, 6^{15}\})$	760842022772736
6	$\mathcal{O}(6; \{2^8, 6^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^4, 3^3, 6^{16}\})$	380418834604032
6	$\mathcal{O}(6; \{3^6, 6^{16}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^5, 3, 6^{17}\})$	190211594084352
6	$\mathcal{O}(6; \{2, 3^4, 6^{17}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^2, 6^{18}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 6^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{3, 6^{20}\})$	1521679691980800
6	$\mathcal{O}(5; \{2^{36}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{32}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^{28}, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{24}, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{23}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{26}\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{29}\})$	10810276414325190
6	$\mathcal{O}(5; \{2^{33}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^{29}, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^{25}, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^{21}, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^{15}, 6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^{18}, 6\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{21}, 6\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{24}, 6\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{27}, 6\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{34}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{30}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^{26}, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^{22}, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^{13}, 6^2\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^{16}, 6^2\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{19}, 6^2\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{22}, 6^2\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{25}, 6^2\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{31}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^{27}, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^{23}, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^{11}, 6^3\})$	330266253312

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3^{14}, 6^3\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^{17}, 6^3\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{20}, 6^3\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{23}, 6^3\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{32}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^{28}, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^{24}, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^{12}, 6^4\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^{15}, 6^4\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{18}, 6^4\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{21}, 6^4\})$	676302689986560
6	$\mathcal{O}(5; \{3^{24}, 6^4\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{29}, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^{25}, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^{21}, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^{10}, 6^5\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^{13}, 6^5\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{16}, 6^5\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{19}, 6^5\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{22}, 6^5\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{26}, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^{22}, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^{18}, 3^8, 6^6\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^{11}, 6^6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^{14}, 6^6\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{17}, 6^6\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{20}, 6^6\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{27}, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{23}, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^{19}, 3^6, 6^7\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^9, 6^7\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^{12}, 6^7\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^{15}, 6^7\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{18}, 6^7\})$	676302689986560
6	$\mathcal{O}(5; \{2^{24}, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{2^{20}, 3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 3^7, 6^8\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^{10}, 6^8\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^{13}, 6^8\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{16}, 6^8\})$	338151405459456
6	$\mathcal{O}(5; \{3^{19}, 6^8\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{21}, 3^2, 6^9\})$	41237932032

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{17}, 3^5, 6^9\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3^8, 6^9\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^{11}, 6^9\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^{14}, 6^9\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{17}, 6^9\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{22}, 6^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{18}, 3^3, 6^{10}\})$	165072660480
6	$\mathcal{O}(5; \{2^{14}, 3^6, 6^{10}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^9, 6^{10}\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^{12}, 6^{10}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^{15}, 6^{10}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{19}, 3, 6^{11}\})$	82596796416
6	$\mathcal{O}(5; \{2^{15}, 3^4, 6^{11}\})$	660411574272
6	$\mathcal{O}(5; \{2^{11}, 3^7, 6^{11}\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^{10}, 6^{11}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^{13}, 6^{11}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{16}, 3^2, 6^{12}\})$	330266253312
6	$\mathcal{O}(5; \{2^{12}, 3^5, 6^{12}\})$	2641767229440
6	$\mathcal{O}(5; \{2^8, 3^8, 6^{12}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^{11}, 6^{12}\})$	169075642263552
6	$\mathcal{O}(5; \{3^{14}, 6^{12}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{17}, 6^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{13}, 3^3, 6^{13}\})$	1320944080896
6	$\mathcal{O}(5; \{2^9, 3^6, 6^{13}\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^9, 6^{13}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^{12}, 6^{13}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{14}, 3, 6^{14}\})$	660411574272
6	$\mathcal{O}(5; \{2^{10}, 3^4, 6^{14}\})$	5283655391232
6	$\mathcal{O}(5; \{2^6, 3^7, 6^{14}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^{10}, 6^{14}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{11}, 3^2, 6^{15}\})$	2641767229440
6	$\mathcal{O}(5; \{2^7, 3^5, 6^{15}\})$	21134500632576
6	$\mathcal{O}(5; \{2^3, 3^8, 6^{15}\})$	169075642263552
6	$\mathcal{O}(5; \{2^{12}, 6^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^8, 3^3, 6^{16}\})$	10567189850112
6	$\mathcal{O}(5; \{2^4, 3^6, 6^{16}\})$	84537881597952
6	$\mathcal{O}(5; \{3^9, 6^{16}\})$	676302689986560
6	$\mathcal{O}(5; \{2^9, 3, 6^{17}\})$	5283655391232
6	$\mathcal{O}(5; \{2^5, 3^4, 6^{17}\})$	42268880332800
6	$\mathcal{O}(5; \{2, 3^7, 6^{17}\})$	338151405459456
6	$\mathcal{O}(5; \{2^6, 3^2, 6^{18}\})$	21134500632576
6	$\mathcal{O}(5; \{2^2, 3^5, 6^{18}\})$	169075642263552
6	$\mathcal{O}(5; \{2^7, 6^{19}\})$	10567189850112

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^3, 3^3, 6^{19}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3, 6^{20}\})$	42268880332800
6	$\mathcal{O}(5; \{3^4, 6^{20}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^2, 6^{21}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 6^{22}\})$	84537881597952
6	$\mathcal{O}(4; \{2^{40}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{36}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{32}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^{28}, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{26}\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{29}\})$	300578990123520
6	$\mathcal{O}(4; \{3^{32}\})$	2395238837585130
6	$\mathcal{O}(4; \{2^{37}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{33}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^{29}, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^{25}, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^{18}, 6\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{21}, 6\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{24}, 6\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{27}, 6\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{30}, 6\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{38}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{34}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{30}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^{26}, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^{16}, 6^2\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{19}, 6^2\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{22}, 6^2\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{25}, 6^2\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{28}, 6^2\})$	601157983606272
6	$\mathcal{O}(4; \{2^{35}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{31}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^{27}, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^{14}, 6^3\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^{17}, 6^3\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{20}, 6^3\})$	4696545618432

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^7, 3^{23}, 6^3\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{26}, 6^3\})$	300578990123520
6	$\mathcal{O}(4; \{2^{36}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{32}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^{28}, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^{15}, 6^4\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{18}, 6^4\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{21}, 6^4\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{24}, 6^4\})$	150289496741376
6	$\mathcal{O}(4; \{3^{27}, 6^4\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{33}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^{29}, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^{25}, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^{10}, 6^5\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^{13}, 6^5\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{16}, 6^5\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{19}, 6^5\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{22}, 6^5\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{25}, 6^5\})$	601157983606272
6	$\mathcal{O}(4; \{2^{30}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^{26}, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^{22}, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^{11}, 6^6\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^{14}, 6^6\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{17}, 6^6\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{20}, 6^6\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{23}, 6^6\})$	300578990123520
6	$\mathcal{O}(4; \{2^{31}, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^{27}, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^{23}, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^9, 6^7\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^{12}, 6^7\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^{15}, 6^7\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{18}, 6^7\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{21}, 6^7\})$	150289496741376
6	$\mathcal{O}(4; \{2^{28}, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^{24}, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^{20}, 3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^{10}, 6^8\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^{13}, 6^8\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{16}, 6^8\})$	9393094596096

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^4, 3^{19}, 6^8\})$	75144746691072
6	$\mathcal{O}(4; \{3^{22}, 6^8\})$	601157983606272
6	$\mathcal{O}(4; \{2^{25}, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^{21}, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2^{17}, 3^8, 6^9\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^{11}, 6^9\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^{14}, 6^9\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{17}, 6^9\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{20}, 6^9\})$	300578990123520
6	$\mathcal{O}(4; \{2^{26}, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{22}, 3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{2^{18}, 3^6, 6^{10}\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^9, 6^{10}\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^{12}, 6^{10}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^{15}, 6^{10}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{18}, 6^{10}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{23}, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{2^{19}, 3^4, 6^{11}\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 3^7, 6^{11}\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^{10}, 6^{11}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^{13}, 6^{11}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{16}, 6^{11}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{20}, 3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{2^{16}, 3^5, 6^{12}\})$	73382423040
6	$\mathcal{O}(4; \{2^{12}, 3^8, 6^{12}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^{11}, 6^{12}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^{14}, 6^{12}\})$	37572375025152
6	$\mathcal{O}(4; \{3^{17}, 6^{12}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{21}, 6^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{17}, 3^3, 6^{13}\})$	36692891136
6	$\mathcal{O}(4; \{2^{13}, 3^6, 6^{13}\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^9, 6^{13}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^{12}, 6^{13}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^{15}, 6^{13}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{18}, 3, 6^{14}\})$	18344765952
6	$\mathcal{O}(4; \{2^{14}, 3^4, 6^{14}\})$	146768205312
6	$\mathcal{O}(4; \{2^{10}, 3^7, 6^{14}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^{10}, 6^{14}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^{13}, 6^{14}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{15}, 3^2, 6^{15}\})$	73382423040
6	$\mathcal{O}(4; \{2^{11}, 3^5, 6^{15}\})$	587069462016
6	$\mathcal{O}(4; \{2^7, 3^8, 6^{15}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^{11}, 6^{15}\})$	37572375025152

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{16}, 6^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{12}, 3^3, 6^{16}\})$	293533051392
6	$\mathcal{O}(4; \{2^8, 3^6, 6^{16}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^9, 6^{16}\})$	18786185832960
6	$\mathcal{O}(4; \{3^{12}, 6^{16}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{13}, 3, 6^{17}\})$	146768205312
6	$\mathcal{O}(4; \{2^9, 3^4, 6^{17}\})$	1174135564800
6	$\mathcal{O}(4; \{2^5, 3^7, 6^{17}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^{10}, 6^{17}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^{18}\})$	587069462016
6	$\mathcal{O}(4; \{2^6, 3^5, 6^{18}\})$	4696545618432
6	$\mathcal{O}(4; \{2^2, 3^8, 6^{18}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{11}, 6^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^7, 3^3, 6^{19}\})$	2348274488832
6	$\mathcal{O}(4; \{2^3, 3^6, 6^{19}\})$	18786185832960
6	$\mathcal{O}(4; \{2^8, 3, 6^{20}\})$	1174135564800
6	$\mathcal{O}(4; \{2^4, 3^4, 6^{20}\})$	9393094596096
6	$\mathcal{O}(4; \{3^7, 6^{20}\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 3^2, 6^{21}\})$	4696545618432
6	$\mathcal{O}(4; \{2, 3^5, 6^{21}\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 6^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^2, 3^3, 6^{22}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3, 6^{23}\})$	9393094596096
6	$\mathcal{O}(4; \{3^2, 6^{24}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 6^{25}\})$	18786185832960
6	$\mathcal{O}(3; \{2^{44}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{40}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{36}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{32}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{29}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{32}\})$	66795331418496
6	$\mathcal{O}(3; \{3^{35}\})$	526013234645094
6	$\mathcal{O}(3; \{2^{41}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{37}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{33}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^{29}, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^{18}, 6\})$	8153695872

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{17}, 3^{21}, 6\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{24}, 6\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{27}, 6\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{30}, 6\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{33}, 6\})$	267181325580672
6	$\mathcal{O}(3; \{2^{42}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{38}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{34}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{30}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{19}, 6^2\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{22}, 6^2\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{25}, 6^2\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{28}, 6^2\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{31}, 6^2\})$	133590662743680
6	$\mathcal{O}(3; \{2^{39}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{35}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{31}, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^{17}, 6^3\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{20}, 6^3\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{23}, 6^3\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{26}, 6^3\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{29}, 6^3\})$	66795331418496
6	$\mathcal{O}(3; \{2^{40}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{36}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{32}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^{15}, 6^4\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{18}, 6^4\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{21}, 6^4\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{24}, 6^4\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{27}, 6^4\})$	33397665662592
6	$\mathcal{O}(3; \{3^{30}, 6^4\})$	267181325580672
6	$\mathcal{O}(3; \{2^{37}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{33}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^{29}, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{16}, 6^5\})$	32614876800

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{13}, 3^{19}, 6^5\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{22}, 6^5\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{25}, 6^5\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{28}, 6^5\})$	133590662743680
6	$\mathcal{O}(3; \{2^{34}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{30}, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^{26}, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^{14}, 6^6\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^{17}, 6^6\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{20}, 6^6\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{23}, 6^6\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{26}, 6^6\})$	66795331418496
6	$\mathcal{O}(3; \{2^{35}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{31}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^{27}, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^9, 6^7\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^{12}, 6^7\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^{15}, 6^7\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{18}, 6^7\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{21}, 6^7\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{24}, 6^7\})$	33397665662592
6	$\mathcal{O}(3; \{2^{32}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^{28}, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^{24}, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^{13}, 6^8\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{16}, 6^8\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{19}, 6^8\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{22}, 6^8\})$	16698832877952
6	$\mathcal{O}(3; \{3^{25}, 6^8\})$	133590662743680
6	$\mathcal{O}(3; \{2^{29}, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^{25}, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^{21}, 3^8, 6^9\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^{11}, 6^9\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^{14}, 6^9\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{17}, 6^9\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{20}, 6^9\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{23}, 6^9\})$	66795331418496
6	$\mathcal{O}(3; \{2^{30}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{26}, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^{22}, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^9, 6^{10}\})$	8153695872

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 3^{12}, 6^{10}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^{15}, 6^{10}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{18}, 6^{10}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{21}, 6^{10}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{27}, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^{23}, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3^7, 6^{11}\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^{10}, 6^{11}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^{13}, 6^{11}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{16}, 6^{11}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{19}, 6^{11}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{24}, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^{20}, 3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3^8, 6^{12}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^{11}, 6^{12}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^{14}, 6^{12}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^{17}, 6^{12}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{20}, 6^{12}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{25}, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{21}, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2^{17}, 3^6, 6^{13}\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^9, 6^{13}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^{12}, 6^{13}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^{15}, 6^{13}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{18}, 6^{13}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{22}, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{2^{18}, 3^4, 6^{14}\})$	4076894592
6	$\mathcal{O}(3; \{2^{14}, 3^7, 6^{14}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^{10}, 6^{14}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^{13}, 6^{14}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^{16}, 6^{14}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{19}, 3^2, 6^{15}\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 3^5, 6^{15}\})$	16307485056
6	$\mathcal{O}(3; \{2^{11}, 3^8, 6^{15}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^{11}, 6^{15}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^{14}, 6^{15}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{20}, 6^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{16}, 3^3, 6^{16}\})$	8153695872
6	$\mathcal{O}(3; \{2^{12}, 3^6, 6^{16}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^9, 6^{16}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^{12}, 6^{16}\})$	4174708242816
6	$\mathcal{O}(3; \{3^{15}, 6^{16}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{17}, 3, 6^{17}\})$	4076894592

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6^{17}\})$	32614876800
6	$\mathcal{O}(3; \{2^9, 3^7, 6^{17}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6^{17}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^{13}, 6^{17}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^{18}\})$	16307485056
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^{18}\})$	130459600512
6	$\mathcal{O}(3; \{2^6, 3^8, 6^{18}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^{18}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{15}, 6^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^{19}\})$	65229846912
6	$\mathcal{O}(3; \{2^7, 3^6, 6^{19}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^9, 6^{19}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{12}, 3, 6^{20}\})$	32614876800
6	$\mathcal{O}(3; \{2^8, 3^4, 6^{20}\})$	260919294336
6	$\mathcal{O}(3; \{2^4, 3^7, 6^{20}\})$	2087354074752
6	$\mathcal{O}(3; \{3^{10}, 6^{20}\})$	16698832877952
6	$\mathcal{O}(3; \{2^9, 3^2, 6^{21}\})$	130459600512
6	$\mathcal{O}(3; \{2^5, 3^5, 6^{21}\})$	1043677084032
6	$\mathcal{O}(3; \{2, 3^8, 6^{21}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{10}, 6^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^6, 3^3, 6^{22}\})$	521838495360
6	$\mathcal{O}(3; \{2^2, 3^6, 6^{22}\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3, 6^{23}\})$	260919294336
6	$\mathcal{O}(3; \{2^3, 3^4, 6^{23}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^2, 6^{24}\})$	1043677084032
6	$\mathcal{O}(3; \{3^5, 6^{24}\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 6^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2, 3^3, 6^{25}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3, 6^{26}\})$	2087354074752
6	$\mathcal{O}(3; \{6^{28}\})$	4174708242816
6	$\mathcal{O}(2; \{2^{48}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{44}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{40}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{36}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{29}\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{32}\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{35}\})$	14843406974112
6	$\mathcal{O}(2; \{3^{38}\})$	111325552313130

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{45}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{41}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{37}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{33}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{24}, 6\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{27}, 6\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{30}, 6\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{33}, 6\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{36}, 6\})$	59373627899040
6	$\mathcal{O}(2; \{2^{46}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{42}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{38}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{34}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{19}, 6^2\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{22}, 6^2\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{25}, 6^2\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{28}, 6^2\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{31}, 6^2\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{34}, 6^2\})$	29686813950816
6	$\mathcal{O}(2; \{2^{43}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{39}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{35}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^{31}, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^{17}, 6^3\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{20}, 6^3\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{23}, 6^3\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{26}, 6^3\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{29}, 6^3\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{32}, 6^3\})$	14843406974112
6	$\mathcal{O}(2; \{2^{44}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{40}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{36}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^9, 6^4\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{18}, 6^4\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{21}, 6^4\})$	14495513760

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{12}, 3^{24}, 6^4\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{27}, 6^4\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{30}, 6^4\})$	7421703488352
6	$\mathcal{O}(2; \{3^{33}, 6^4\})$	59373627899040
6	$\mathcal{O}(2; \{2^{41}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{37}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^{33}, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{16}, 6^5\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{19}, 6^5\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{22}, 6^5\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{25}, 6^5\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{28}, 6^5\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{31}, 6^5\})$	29686813950816
6	$\mathcal{O}(2; \{2^{38}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{34}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^{30}, 3^8, 6^6\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^{11}, 6^6\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^{14}, 6^6\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{17}, 6^6\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{20}, 6^6\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{23}, 6^6\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{26}, 6^6\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{29}, 6^6\})$	14843406974112
6	$\mathcal{O}(2; \{2^{39}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{35}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^{31}, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^{12}, 6^7\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^{15}, 6^7\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{18}, 6^7\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{21}, 6^7\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{24}, 6^7\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{27}, 6^7\})$	7421703488352
6	$\mathcal{O}(2; \{2^{36}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^{32}, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^{28}, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^{13}, 6^8\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{16}, 6^8\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^{19}, 6^8\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{22}, 6^8\})$	463856468832

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^4, 3^{25}, 6^8\})$	3710851742880
6	$\mathcal{O}(2; \{3^{28}, 6^8\})$	29686813950816
6	$\mathcal{O}(2; \{2^{33}, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^{29}, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^{25}, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^{14}, 6^9\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^{17}, 6^9\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{20}, 6^9\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{23}, 6^9\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{26}, 6^9\})$	14843406974112
6	$\mathcal{O}(2; \{2^{34}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{30}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^{26}, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^{12}, 6^{10}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^{15}, 6^{10}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{18}, 6^{10}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{21}, 6^{10}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{24}, 6^{10}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{31}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^{27}, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^{23}, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^{10}, 6^{11}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^{13}, 6^{11}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{16}, 6^{11}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{19}, 6^{11}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{22}, 6^{11}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{28}, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^{24}, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^{11}, 6^{12}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^{14}, 6^{12}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{17}, 6^{12}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{20}, 6^{12}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{23}, 6^{12}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{29}, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{25}, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^{21}, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^9, 6^{13}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^{12}, 6^{13}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^{15}, 6^{13}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{18}, 6^{13}\})$	927712935072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2, 3^{21}, 6^{13}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{26}, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^{22}, 3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{2^{18}, 3^7, 6^{14}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^{10}, 6^{14}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^{13}, 6^{14}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{16}, 6^{14}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{19}, 6^{14}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{23}, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^{19}, 3^5, 6^{15}\})$	452985696
6	$\mathcal{O}(2; \{2^{15}, 3^8, 6^{15}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^{11}, 6^{15}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^{14}, 6^{15}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{17}, 6^{15}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{24}, 6^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{20}, 3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{2^{16}, 3^6, 6^{16}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^9, 6^{16}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^{12}, 6^{16}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^{15}, 6^{16}\})$	927712935072
6	$\mathcal{O}(2; \{3^{18}, 6^{16}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{21}, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(2; \{2^{17}, 3^4, 6^{17}\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^7, 6^{17}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^{10}, 6^{17}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^{13}, 6^{17}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{16}, 6^{17}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{18}, 3^2, 6^{18}\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 3^5, 6^{18}\})$	3623877792
6	$\mathcal{O}(2; \{2^{10}, 3^8, 6^{18}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^{11}, 6^{18}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^{14}, 6^{18}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{19}, 6^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{15}, 3^3, 6^{19}\})$	1811940192
6	$\mathcal{O}(2; \{2^{11}, 3^6, 6^{19}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^9, 6^{19}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^{12}, 6^{19}\})$	927712935072
6	$\mathcal{O}(2; \{2^{16}, 3, 6^{20}\})$	905968800
6	$\mathcal{O}(2; \{2^{12}, 3^4, 6^{20}\})$	7247758176
6	$\mathcal{O}(2; \{2^8, 3^7, 6^{20}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^{10}, 6^{20}\})$	463856468832
6	$\mathcal{O}(2; \{3^{13}, 6^{20}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{13}, 3^2, 6^{21}\})$	3623877792

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^9, 3^5, 6^{21}\})$	28991030112
6	$\mathcal{O}(2; \{2^5, 3^8, 6^{21}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^{11}, 6^{21}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{14}, 6^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{10}, 3^3, 6^{22}\})$	14495513760
6	$\mathcal{O}(2; \{2^6, 3^6, 6^{22}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^9, 6^{22}\})$	927712935072
6	$\mathcal{O}(2; \{2^{11}, 3, 6^{23}\})$	7247758176
6	$\mathcal{O}(2; \{2^7, 3^4, 6^{23}\})$	57982057632
6	$\mathcal{O}(2; \{2^3, 3^7, 6^{23}\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^2, 6^{24}\})$	28991030112
6	$\mathcal{O}(2; \{2^4, 3^5, 6^{24}\})$	231928233120
6	$\mathcal{O}(2; \{3^8, 6^{24}\})$	1855425872736
6	$\mathcal{O}(2; \{2^9, 6^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^5, 3^3, 6^{25}\})$	115964117856
6	$\mathcal{O}(2; \{2, 3^6, 6^{25}\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3, 6^{26}\})$	57982057632
6	$\mathcal{O}(2; \{2^2, 3^4, 6^{26}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^2, 6^{27}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 6^{28}\})$	115964117856
6	$\mathcal{O}(2; \{3^3, 6^{28}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3, 6^{29}\})$	463856468832
6	$\mathcal{O}(1; \{2^{52}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{48}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{44}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{40}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{32}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{35}\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{38}\})$	3298534883352
6	$\mathcal{O}(1; \{3^{41}\})$	19791209299950
6	$\mathcal{O}(1; \{2^{49}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{45}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{41}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{37}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{21}, 6\})$	50331672

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{21}, 3^{24}, 6\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{27}, 6\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{30}, 6\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{33}, 6\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{36}, 6\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{39}, 6\})$	13194139533336
6	$\mathcal{O}(1; \{2^{50}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{46}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{42}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{38}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{25}, 6^2\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{28}, 6^2\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{31}, 6^2\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{34}, 6^2\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{37}, 6^2\})$	6597069766632
6	$\mathcal{O}(1; \{2^{47}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{43}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{39}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{23}, 6^3\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{26}, 6^3\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{29}, 6^3\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{32}, 6^3\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{35}, 6^3\})$	3298534883352
6	$\mathcal{O}(1; \{2^{48}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{44}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{40}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{18}, 6^4\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{24}, 6^4\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{27}, 6^4\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{30}, 6^4\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{33}, 6^4\})$	1649267441640

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{3^{36}, 6^4\})$	13194139533336
6	$\mathcal{O}(1; \{2^{45}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{41}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{37}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{22}, 6^5\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{25}, 6^5\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{28}, 6^5\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{31}, 6^5\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{34}, 6^5\})$	6597069766632
6	$\mathcal{O}(1; \{2^{42}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{38}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{34}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{20}, 6^6\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{23}, 6^6\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{26}, 6^6\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{29}, 6^6\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{32}, 6^6\})$	3298534883352
6	$\mathcal{O}(1; \{2^{43}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{39}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{35}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^{15}, 6^7\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{18}, 6^7\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{21}, 6^7\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{24}, 6^7\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{27}, 6^7\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{30}, 6^7\})$	1649267441640
6	$\mathcal{O}(1; \{2^{40}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{36}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{32}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{19}, 6^8\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{22}, 6^8\})$	12884901912

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3^{25}, 6^8\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{28}, 6^8\})$	824633720856
6	$\mathcal{O}(1; \{3^{31}, 6^8\})$	6597069766632
6	$\mathcal{O}(1; \{2^{37}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{33}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^{29}, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^{11}, 6^9\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^{14}, 6^9\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{17}, 6^9\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{20}, 6^9\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{23}, 6^9\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{26}, 6^9\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{29}, 6^9\})$	3298534883352
6	$\mathcal{O}(1; \{2^{38}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{34}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{30}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^{15}, 6^{10}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{18}, 6^{10}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{21}, 6^{10}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{24}, 6^{10}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{27}, 6^{10}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{35}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{31}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^{27}, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^{13}, 6^{11}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{16}, 6^{11}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{19}, 6^{11}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{22}, 6^{11}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{25}, 6^{11}\})$	824633720856
6	$\mathcal{O}(1; \{2^{32}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^{28}, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^{24}, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^{14}, 6^{12}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{17}, 6^{12}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{20}, 6^{12}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{23}, 6^{12}\})$	412316860392
6	$\mathcal{O}(1; \{3^{26}, 6^{12}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{33}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{29}, 3^3, 6^{13}\})$	786456

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{25}, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^{21}, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^{12}, 6^{13}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^{15}, 6^{13}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{18}, 6^{13}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{21}, 6^{13}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{24}, 6^{13}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{30}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^{26}, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^{22}, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^{10}, 6^{14}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^{13}, 6^{14}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^{16}, 6^{14}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{19}, 6^{14}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{22}, 6^{14}\})$	824633720856
6	$\mathcal{O}(1; \{2^{27}, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^{23}, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^{19}, 3^8, 6^{15}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^{11}, 6^{15}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^{14}, 6^{15}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{17}, 6^{15}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{20}, 6^{15}\})$	412316860392
6	$\mathcal{O}(1; \{2^{28}, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{24}, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^{20}, 3^6, 6^{16}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^9, 6^{16}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^{12}, 6^{16}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^{15}, 6^{16}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{18}, 6^{16}\})$	206158430232
6	$\mathcal{O}(1; \{3^{21}, 6^{16}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{25}, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2^{21}, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3^7, 6^{17}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6^{17}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^{13}, 6^{17}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{16}, 6^{17}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{19}, 6^{17}\})$	824633720856
6	$\mathcal{O}(1; \{2^{22}, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2^{18}, 3^5, 6^{18}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3^8, 6^{18}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^{11}, 6^{18}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^{14}, 6^{18}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{17}, 6^{18}\})$	412316860392

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{23}, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{19}, 3^3, 6^{19}\})$	50331672
6	$\mathcal{O}(1; \{2^{15}, 3^6, 6^{19}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^9, 6^{19}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^{12}, 6^{19}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^{15}, 6^{19}\})$	206158430232
6	$\mathcal{O}(1; \{2^{20}, 3, 6^{20}\})$	25165800
6	$\mathcal{O}(1; \{2^{16}, 3^4, 6^{20}\})$	201326616
6	$\mathcal{O}(1; \{2^{12}, 3^7, 6^{20}\})$	1610612712
6	$\mathcal{O}(1; \{2^8, 3^{10}, 6^{20}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^{13}, 6^{20}\})$	103079215080
6	$\mathcal{O}(1; \{3^{16}, 6^{20}\})$	824633720856
6	$\mathcal{O}(1; \{2^{17}, 3^2, 6^{21}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 3^5, 6^{21}\})$	805306392
6	$\mathcal{O}(1; \{2^9, 3^8, 6^{21}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^{11}, 6^{21}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^{14}, 6^{21}\})$	412316860392
6	$\mathcal{O}(1; \{2^{18}, 6^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{14}, 3^3, 6^{22}\})$	402653160
6	$\mathcal{O}(1; \{2^{10}, 3^6, 6^{22}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^9, 6^{22}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^{12}, 6^{22}\})$	206158430232
6	$\mathcal{O}(1; \{2^{15}, 3, 6^{23}\})$	201326616
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6^{23}\})$	1610612712
6	$\mathcal{O}(1; \{2^7, 3^7, 6^{23}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6^{23}\})$	103079215080
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^{24}\})$	805306392
6	$\mathcal{O}(1; \{2^8, 3^5, 6^{24}\})$	6442450920
6	$\mathcal{O}(1; \{2^4, 3^8, 6^{24}\})$	51539607576
6	$\mathcal{O}(1; \{3^{11}, 6^{24}\})$	412316860392
6	$\mathcal{O}(1; \{2^{13}, 6^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^9, 3^3, 6^{25}\})$	3221225496
6	$\mathcal{O}(1; \{2^5, 3^6, 6^{25}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^9, 6^{25}\})$	206158430232
6	$\mathcal{O}(1; \{2^{10}, 3, 6^{26}\})$	1610612712
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{26}\})$	12884901912
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{26}\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{27}\})$	6442450920
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{27}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 6^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{28}\})$	25769803752
6	$\mathcal{O}(1; \{3^6, 6^{28}\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3, 6^{29}\})$	12884901912

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2, 3^4, 6^{29}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{30}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 6^{31}\})$	25769803752
6	$\mathcal{O}(1; \{3, 6^{32}\})$	103079215080
6	$\mathcal{O}(0; \{2^{56}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{52}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{48}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{44}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{35}\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{38}\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{41}\})$	733007751850
6	$\mathcal{O}(0; \{2^{53}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{49}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{45}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{41}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{30}, 6\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{33}, 6\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{36}, 6\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{39}, 6\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{42}, 6\})$	2932031007402
6	$\mathcal{O}(0; \{2^{54}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{50}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{46}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{42}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{28}, 6^2\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{31}, 6^2\})$	2863311530

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 3^{34}, 6^2\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{37}, 6^2\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{40}, 6^2\})$	1466015503702
6	$\mathcal{O}(0; \{2^{51}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{47}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{43}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{26}, 6^3\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{29}, 6^3\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{32}, 6^3\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{35}, 6^3\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{38}, 6^3\})$	733007751850
6	$\mathcal{O}(0; \{2^{52}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{48}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{44}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{27}, 6^4\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{30}, 6^4\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{33}, 6^4\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{36}, 6^4\})$	366503875926
6	$\mathcal{O}(0; \{3^{39}, 6^4\})$	2932031007402
6	$\mathcal{O}(0; \{2^{49}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{45}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{41}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{25}, 6^5\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{28}, 6^5\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{31}, 6^5\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{34}, 6^5\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{37}, 6^5\})$	1466015503702

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{46}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{42}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{38}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{23}, 6^6\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{26}, 6^6\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{29}, 6^6\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{32}, 6^6\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{35}, 6^6\})$	733007751850
6	$\mathcal{O}(0; \{2^{47}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{43}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{39}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{21}, 6^7\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{24}, 6^7\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{27}, 6^7\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{30}, 6^7\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{33}, 6^7\})$	366503875926
6	$\mathcal{O}(0; \{2^{44}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{40}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{36}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{19}, 6^8\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{22}, 6^8\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{25}, 6^8\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{28}, 6^8\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{31}, 6^8\})$	183251937962
6	$\mathcal{O}(0; \{3^{34}, 6^8\})$	1466015503702
6	$\mathcal{O}(0; \{2^{41}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{37}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{33}, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{20}, 6^9\})$	178956970

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3^{23}, 6^9\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{26}, 6^9\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{29}, 6^9\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{32}, 6^9\})$	733007751850
6	$\mathcal{O}(0; \{2^{42}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{38}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{34}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{18}, 6^{10}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{21}, 6^{10}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{24}, 6^{10}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{27}, 6^{10}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{30}, 6^{10}\})$	366503875926
6	$\mathcal{O}(0; \{2^{39}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{35}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{31}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{16}, 6^{11}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{19}, 6^{11}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{22}, 6^{11}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{25}, 6^{11}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{28}, 6^{11}\})$	183251937962
6	$\mathcal{O}(0; \{2^{36}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{32}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^{28}, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{17}, 6^{12}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{20}, 6^{12}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{23}, 6^{12}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{26}, 6^{12}\})$	91625968982
6	$\mathcal{O}(0; \{3^{29}, 6^{12}\})$	733007751850
6	$\mathcal{O}(0; \{2^{37}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{33}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^{29}, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^{15}, 6^{13}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{18}, 6^{13}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{21}, 6^{13}\})$	5726623062

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^5, 3^{24}, 6^{13}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{27}, 6^{13}\})$	366503875926
6	$\mathcal{O}(0; \{2^{34}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{30}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^{26}, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^{13}, 6^{14}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^{16}, 6^{14}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{19}, 6^{14}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{22}, 6^{14}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{25}, 6^{14}\})$	183251937962
6	$\mathcal{O}(0; \{2^{31}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^{27}, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^{23}, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^{11}, 6^{15}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^{14}, 6^{15}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{17}, 6^{15}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{20}, 6^{15}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{23}, 6^{15}\})$	91625968982
6	$\mathcal{O}(0; \{2^{32}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{28}, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^{24}, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^9, 6^{16}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^{12}, 6^{16}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^{15}, 6^{16}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{18}, 6^{16}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{21}, 6^{16}\})$	45812984490
6	$\mathcal{O}(0; \{3^{24}, 6^{16}\})$	366503875926
6	$\mathcal{O}(0; \{2^{29}, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2^{25}, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^{21}, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^{10}, 6^{17}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^{13}, 6^{17}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{16}, 6^{17}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{19}, 6^{17}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{22}, 6^{17}\})$	183251937962
6	$\mathcal{O}(0; \{2^{26}, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^{22}, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{2^{18}, 3^8, 6^{18}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^{11}, 6^{18}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^{14}, 6^{18}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{17}, 6^{18}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{20}, 6^{18}\})$	91625968982

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{27}, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{23}, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2^{19}, 3^6, 6^{19}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^9, 6^{19}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6^{19}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^{15}, 6^{19}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{18}, 6^{19}\})$	45812984490
6	$\mathcal{O}(0; \{2^{24}, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{2^{20}, 3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^7, 6^{20}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6^{20}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^{13}, 6^{20}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{16}, 6^{20}\})$	22906492246
6	$\mathcal{O}(0; \{3^{19}, 6^{20}\})$	183251937962
6	$\mathcal{O}(0; \{2^{21}, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2^{17}, 3^5, 6^{21}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3^8, 6^{21}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^{11}, 6^{21}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^{14}, 6^{21}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{17}, 6^{21}\})$	91625968982
6	$\mathcal{O}(0; \{2^{22}, 6^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{18}, 3^3, 6^{22}\})$	11184810
6	$\mathcal{O}(0; \{2^{14}, 3^6, 6^{22}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^9, 6^{22}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^{12}, 6^{22}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^{15}, 6^{22}\})$	45812984490
6	$\mathcal{O}(0; \{2^{19}, 3, 6^{23}\})$	5592406
6	$\mathcal{O}(0; \{2^{15}, 3^4, 6^{23}\})$	44739242
6	$\mathcal{O}(0; \{2^{11}, 3^7, 6^{23}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^{10}, 6^{23}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^{13}, 6^{23}\})$	22906492246
6	$\mathcal{O}(0; \{2^{16}, 3^2, 6^{24}\})$	22369622
6	$\mathcal{O}(0; \{2^{12}, 3^5, 6^{24}\})$	178956970
6	$\mathcal{O}(0; \{2^8, 3^8, 6^{24}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^{11}, 6^{24}\})$	11453246122
6	$\mathcal{O}(0; \{3^{14}, 6^{24}\})$	91625968982
6	$\mathcal{O}(0; \{2^{17}, 6^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6^{25}\})$	89478486
6	$\mathcal{O}(0; \{2^9, 3^6, 6^{25}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^9, 6^{25}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^{12}, 6^{25}\})$	45812984490
6	$\mathcal{O}(0; \{2^{14}, 3, 6^{26}\})$	44739242
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^{26}\})$	357913942

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^7, 6^{26}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^{26}\})$	22906492246
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^{27}\})$	178956970
6	$\mathcal{O}(0; \{2^7, 3^5, 6^{27}\})$	1431655766
6	$\mathcal{O}(0; \{2^3, 3^8, 6^{27}\})$	11453246122
6	$\mathcal{O}(0; \{2^{12}, 6^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^8, 3^3, 6^{28}\})$	715827882
6	$\mathcal{O}(0; \{2^4, 3^6, 6^{28}\})$	5726623062
6	$\mathcal{O}(0; \{3^9, 6^{28}\})$	45812984490
6	$\mathcal{O}(0; \{2^9, 3, 6^{29}\})$	357913942
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{29}\})$	2863311530
6	$\mathcal{O}(0; \{2, 3^7, 6^{29}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{30}\})$	1431655766
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{30}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 6^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{31}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3, 6^{32}\})$	2863311530
6	$\mathcal{O}(0; \{3^4, 6^{32}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^2, 6^{33}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 6^{34}\})$	5726623062
7	$\mathcal{O}(11; \{7^4\})$	727226715036435777114
7	$\mathcal{O}(8; \{7^{11}\})$	1722401310500866068150
7	$\mathcal{O}(5; \{7^{18}\})$	4098310578334530698154
7	$\mathcal{O}(2; \{7^{25}\})$	9751588794265887569910
8	$\mathcal{O}(10; \{2^2, 4^2\})$	2305840810190438400
8	$\mathcal{O}(10; \{4, 8^2\})$	9223372036854775808
8	$\mathcal{O}(9; \{2^6, 4^2\})$	36028659580010496
8	$\mathcal{O}(9; \{2^3, 4^4\})$	144114638320041984
8	$\mathcal{O}(9; \{4^6\})$	576458553280167936
8	$\mathcal{O}(9; \{2^4, 4, 8^2\})$	144115188075855872
8	$\mathcal{O}(9; \{2, 4^3, 8^2\})$	576460752303423488
8	$\mathcal{O}(9; \{2^2, 8^4\})$	1152921504606846976
8	$\mathcal{O}(8; \{2^{10}, 4^2\})$	562941363486720
8	$\mathcal{O}(8; \{2^7, 4^4\})$	2251765453946880
8	$\mathcal{O}(8; \{2^4, 4^6\})$	9007061815787520
8	$\mathcal{O}(8; \{2, 4^8\})$	36028247263150080
8	$\mathcal{O}(8; \{2^8, 4, 8^2\})$	2251799813685248
8	$\mathcal{O}(8; \{2^5, 4^3, 8^2\})$	9007199254740992
8	$\mathcal{O}(8; \{2^2, 4^5, 8^2\})$	36028797018963968
8	$\mathcal{O}(8; \{2^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(8; \{2^3, 4^2, 8^4\})$	72057594037927936
8	$\mathcal{O}(8; \{4^4, 8^4\})$	288230376151711744
8	$\mathcal{O}(8; \{2, 4, 8^6\})$	576460752303423488

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^{14}, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{2^{11}, 4^4\})$	35182224605184
8	$\mathcal{O}(7; \{2^8, 4^6\})$	140728898420736
8	$\mathcal{O}(7; \{2^5, 4^8\})$	562915593682944
8	$\mathcal{O}(7; \{2^2, 4^{10}\})$	2251662374731776
8	$\mathcal{O}(7; \{2^{12}, 4, 8^2\})$	35184372088832
8	$\mathcal{O}(7; \{2^9, 4^3, 8^2\})$	140737488355328
8	$\mathcal{O}(7; \{2^6, 4^5, 8^2\})$	562949953421312
8	$\mathcal{O}(7; \{2^3, 4^7, 8^2\})$	2251799813685248
8	$\mathcal{O}(7; \{4^9, 8^2\})$	9007199254740992
8	$\mathcal{O}(7; \{2^{10}, 8^4\})$	281474976710656
8	$\mathcal{O}(7; \{2^7, 4^2, 8^4\})$	112589906842624
8	$\mathcal{O}(7; \{2^4, 4^4, 8^4\})$	4503599627370496
8	$\mathcal{O}(7; \{2, 4^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(7; \{2^5, 4, 8^6\})$	9007199254740992
8	$\mathcal{O}(7; \{2^2, 4^3, 8^6\})$	36028797018963968
8	$\mathcal{O}(7; \{2^3, 8^8\})$	72057594037927936
8	$\mathcal{O}(7; \{4^2, 8^8\})$	288230376151711744
8	$\mathcal{O}(6; \{2^{18}, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^{15}, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^{12}, 4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^9, 4^8\})$	8793945538560
8	$\mathcal{O}(6; \{2^6, 4^{10}\})$	35175782154240
8	$\mathcal{O}(6; \{2^3, 4^{12}\})$	140703128616960
8	$\mathcal{O}(6; \{4^{14}\})$	562812514467840
8	$\mathcal{O}(6; \{2^{16}, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2^{13}, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^{10}, 4^5, 8^2\})$	8796093022208
8	$\mathcal{O}(6; \{2^7, 4^7, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^4, 4^9, 8^2\})$	140737488355328
8	$\mathcal{O}(6; \{2, 4^{11}, 8^2\})$	562949953421312
8	$\mathcal{O}(6; \{2^{14}, 8^4\})$	4398046511104
8	$\mathcal{O}(6; \{2^{11}, 4^2, 8^4\})$	17592186044416
8	$\mathcal{O}(6; \{2^8, 4^4, 8^4\})$	70368744177664
8	$\mathcal{O}(6; \{2^5, 4^6, 8^4\})$	281474976710656
8	$\mathcal{O}(6; \{2^2, 4^8, 8^4\})$	1125899906842624
8	$\mathcal{O}(6; \{2^9, 4, 8^6\})$	140737488355328
8	$\mathcal{O}(6; \{2^6, 4^3, 8^6\})$	562949953421312
8	$\mathcal{O}(6; \{2^3, 4^5, 8^6\})$	2251799813685248
8	$\mathcal{O}(6; \{4^7, 8^6\})$	9007199254740992
8	$\mathcal{O}(6; \{2^7, 8^8\})$	1125899906842624
8	$\mathcal{O}(6; \{2^4, 4^2, 8^8\})$	4503599627370496
8	$\mathcal{O}(6; \{2, 4^4, 8^8\})$	18014398509481984

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^2, 4, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(6; \{8^{12}\})$	288230376151711744
8	$\mathcal{O}(5; \{2^{22}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^{19}, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^{16}, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^{13}, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^{10}, 4^{10}\})$	549218942976
8	$\mathcal{O}(5; \{2^7, 4^{12}\})$	2196875771904
8	$\mathcal{O}(5; \{2^4, 4^{14}\})$	8787503087616
8	$\mathcal{O}(5; \{2, 4^{16}\})$	35150012350464
8	$\mathcal{O}(5; \{2^{20}, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^{17}, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^{14}, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^{11}, 4^7, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^8, 4^9, 8^2\})$	2199023255552
8	$\mathcal{O}(5; \{2^5, 4^{11}, 8^2\})$	8796093022208
8	$\mathcal{O}(5; \{2^2, 4^{13}, 8^2\})$	35184372088832
8	$\mathcal{O}(5; \{2^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^{15}, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{2^{12}, 4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2^9, 4^6, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^6, 4^8, 8^4\})$	17592186044416
8	$\mathcal{O}(5; \{2^3, 4^{10}, 8^4\})$	70368744177664
8	$\mathcal{O}(5; \{4^{12}, 8^4\})$	281474976710656
8	$\mathcal{O}(5; \{2^{13}, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(5; \{2^{10}, 4^3, 8^6\})$	8796093022208
8	$\mathcal{O}(5; \{2^7, 4^5, 8^6\})$	35184372088832
8	$\mathcal{O}(5; \{2^4, 4^7, 8^6\})$	140737488355328
8	$\mathcal{O}(5; \{2, 4^9, 8^6\})$	562949953421312
8	$\mathcal{O}(5; \{2^{11}, 8^8\})$	17592186044416
8	$\mathcal{O}(5; \{2^8, 4^2, 8^8\})$	70368744177664
8	$\mathcal{O}(5; \{2^5, 4^4, 8^8\})$	281474976710656
8	$\mathcal{O}(5; \{2^2, 4^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(5; \{2^6, 4, 8^{10}\})$	562949953421312
8	$\mathcal{O}(5; \{2^3, 4^3, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(5; \{4^5, 8^{10}\})$	9007199254740992
8	$\mathcal{O}(5; \{2^4, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(5; \{2, 4^2, 8^{12}\})$	18014398509481984
8	$\mathcal{O}(4; \{2^{26}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{23}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^{20}, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^{17}, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^{14}, 4^{10}\})$	8556380160

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^{11}, 4^{12}\})$	34225520640
8	$\mathcal{O}(4; \{2^8, 4^{14}\})$	136902082560
8	$\mathcal{O}(4; \{2^5, 4^{16}\})$	547608330240
8	$\mathcal{O}(4; \{2^2, 4^{18}\})$	2190433320960
8	$\mathcal{O}(4; \{2^{24}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^{21}, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^{18}, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^{15}, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{12}, 4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^9, 4^{11}, 8^2\})$	137438953472
8	$\mathcal{O}(4; \{2^6, 4^{13}, 8^2\})$	549755813888
8	$\mathcal{O}(4; \{2^3, 4^{15}, 8^2\})$	2199023255552
8	$\mathcal{O}(4; \{4^{17}, 8^2\})$	8796093022208
8	$\mathcal{O}(4; \{2^{22}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^{19}, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^{16}, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^{13}, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{10}, 4^8, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^7, 4^{10}, 8^4\})$	1099511627776
8	$\mathcal{O}(4; \{2^4, 4^{12}, 8^4\})$	4398046511104
8	$\mathcal{O}(4; \{2, 4^{14}, 8^4\})$	17592186044416
8	$\mathcal{O}(4; \{2^{17}, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^{14}, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^{11}, 4^5, 8^6\})$	549755813888
8	$\mathcal{O}(4; \{2^8, 4^7, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^5, 4^9, 8^6\})$	8796093022208
8	$\mathcal{O}(4; \{2^2, 4^{11}, 8^6\})$	35184372088832
8	$\mathcal{O}(4; \{2^{15}, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{2^{12}, 4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(4; \{2^9, 4^4, 8^8\})$	4398046511104
8	$\mathcal{O}(4; \{2^6, 4^6, 8^8\})$	17592186044416
8	$\mathcal{O}(4; \{2^3, 4^8, 8^8\})$	70368744177664
8	$\mathcal{O}(4; \{4^{10}, 8^8\})$	281474976710656
8	$\mathcal{O}(4; \{2^{10}, 4, 8^{10}\})$	8796093022208
8	$\mathcal{O}(4; \{2^7, 4^3, 8^{10}\})$	35184372088832
8	$\mathcal{O}(4; \{2^4, 4^5, 8^{10}\})$	140737488355328
8	$\mathcal{O}(4; \{2, 4^7, 8^{10}\})$	562949953421312
8	$\mathcal{O}(4; \{2^8, 8^{12}\})$	70368744177664
8	$\mathcal{O}(4; \{2^5, 4^2, 8^{12}\})$	281474976710656
8	$\mathcal{O}(4; \{2^2, 4^4, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^3, 4, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(4; \{4^3, 8^{14}\})$	9007199254740992
8	$\mathcal{O}(4; \{2, 8^{16}\})$	18014398509481984

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{30}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{27}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{24}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^{21}, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^{18}, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{15}, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{12}, 4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^9, 4^{16}\})$	8455716864
8	$\mathcal{O}(3; \{2^6, 4^{18}\})$	33822867456
8	$\mathcal{O}(3; \{2^3, 4^{20}\})$	135291469824
8	$\mathcal{O}(3; \{4^{22}\})$	541165879296
8	$\mathcal{O}(3; \{2^{28}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{25}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{22}, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^{19}, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^{16}, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{13}, 4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^{10}, 4^{13}, 8^2\})$	8589934592
8	$\mathcal{O}(3; \{2^7, 4^{15}, 8^2\})$	34359738368
8	$\mathcal{O}(3; \{2^4, 4^{17}, 8^2\})$	137438953472
8	$\mathcal{O}(3; \{2, 4^{19}, 8^2\})$	549755813888
8	$\mathcal{O}(3; \{2^{26}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{23}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^{20}, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^{17}, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{14}, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{11}, 4^{10}, 8^4\})$	17179869184
8	$\mathcal{O}(3; \{2^8, 4^{12}, 8^4\})$	68719476736
8	$\mathcal{O}(3; \{2^5, 4^{14}, 8^4\})$	274877906944
8	$\mathcal{O}(3; \{2^2, 4^{16}, 8^4\})$	1099511627776
8	$\mathcal{O}(3; \{2^{21}, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^{18}, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^{15}, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^{12}, 4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^9, 4^9, 8^6\})$	137438953472
8	$\mathcal{O}(3; \{2^6, 4^{11}, 8^6\})$	549755813888
8	$\mathcal{O}(3; \{2^3, 4^{13}, 8^6\})$	2199023255552
8	$\mathcal{O}(3; \{4^{15}, 8^6\})$	8796093022208
8	$\mathcal{O}(3; \{2^{19}, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^{16}, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2^{13}, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^{10}, 4^6, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^7, 4^8, 8^8\})$	1099511627776

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^4, 4^{10}, 8^8\})$	4398046511104
8	$\mathcal{O}(3; \{2, 4^{12}, 8^8\})$	17592186044416
8	$\mathcal{O}(3; \{2^{14}, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(3; \{2^{11}, 4^3, 8^{10}\})$	549755813888
8	$\mathcal{O}(3; \{2^8, 4^5, 8^{10}\})$	2199023255552
8	$\mathcal{O}(3; \{2^5, 4^7, 8^{10}\})$	8796093022208
8	$\mathcal{O}(3; \{2^2, 4^9, 8^{10}\})$	35184372088832
8	$\mathcal{O}(3; \{2^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(3; \{2^9, 4^2, 8^{12}\})$	4398046511104
8	$\mathcal{O}(3; \{2^6, 4^4, 8^{12}\})$	17592186044416
8	$\mathcal{O}(3; \{2^3, 4^6, 8^{12}\})$	70368744177664
8	$\mathcal{O}(3; \{4^8, 8^{12}\})$	281474976710656
8	$\mathcal{O}(3; \{2^7, 4, 8^{14}\})$	35184372088832
8	$\mathcal{O}(3; \{2^4, 4^3, 8^{14}\})$	140737488355328
8	$\mathcal{O}(3; \{2, 4^5, 8^{14}\})$	562949953421312
8	$\mathcal{O}(3; \{2^5, 8^{16}\})$	281474976710656
8	$\mathcal{O}(3; \{2^2, 4^2, 8^{16}\})$	112589906842624
8	$\mathcal{O}(3; \{4, 8^{18}\})$	9007199254740992
8	$\mathcal{O}(2; \{2^{34}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{31}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{28}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{25}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{22}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{19}, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{16}, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{13}, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{10}, 4^{18}\})$	503316480
8	$\mathcal{O}(2; \{2^7, 4^{20}\})$	2013265920
8	$\mathcal{O}(2; \{2^4, 4^{22}\})$	8053063680
8	$\mathcal{O}(2; \{2, 4^{24}\})$	32212254720
8	$\mathcal{O}(2; \{2^{32}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{29}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{26}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{23}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{20}, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{17}, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{14}, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{11}, 4^{15}, 8^2\})$	536870912
8	$\mathcal{O}(2; \{2^8, 4^{17}, 8^2\})$	2147483648
8	$\mathcal{O}(2; \{2^5, 4^{19}, 8^2\})$	8589934592
8	$\mathcal{O}(2; \{2^2, 4^{21}, 8^2\})$	34359738368
8	$\mathcal{O}(2; \{2^{30}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{27}, 4^2, 8^4\})$	1048576

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{24}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^{21}, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^{18}, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^{15}, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{12}, 4^{12}, 8^4\})$	1073741824
8	$\mathcal{O}(2; \{2^9, 4^{14}, 8^4\})$	4294967296
8	$\mathcal{O}(2; \{2^6, 4^{16}, 8^4\})$	17179869184
8	$\mathcal{O}(2; \{2^3, 4^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(2; \{4^{20}, 8^4\})$	274877906944
8	$\mathcal{O}(2; \{2^{25}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{22}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^{19}, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^{16}, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{13}, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{10}, 4^{11}, 8^6\})$	8589934592
8	$\mathcal{O}(2; \{2^7, 4^{13}, 8^6\})$	34359738368
8	$\mathcal{O}(2; \{2^4, 4^{15}, 8^6\})$	137438953472
8	$\mathcal{O}(2; \{2, 4^{17}, 8^6\})$	549755813888
8	$\mathcal{O}(2; \{2^{23}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^{20}, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^{17}, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^{14}, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{11}, 4^8, 8^8\})$	17179869184
8	$\mathcal{O}(2; \{2^8, 4^{10}, 8^8\})$	68719476736
8	$\mathcal{O}(2; \{2^5, 4^{12}, 8^8\})$	274877906944
8	$\mathcal{O}(2; \{2^2, 4^{14}, 8^8\})$	1099511627776
8	$\mathcal{O}(2; \{2^{18}, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^{15}, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^{12}, 4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^9, 4^7, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^6, 4^9, 8^{10}\})$	549755813888
8	$\mathcal{O}(2; \{2^3, 4^{11}, 8^{10}\})$	2199023255552
8	$\mathcal{O}(2; \{4^{13}, 8^{10}\})$	8796093022208
8	$\mathcal{O}(2; \{2^{16}, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2^{13}, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(2; \{2^{10}, 4^4, 8^{12}\})$	274877906944
8	$\mathcal{O}(2; \{2^7, 4^6, 8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^4, 4^8, 8^{12}\})$	4398046511104
8	$\mathcal{O}(2; \{2, 4^{10}, 8^{12}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{11}, 4, 8^{14}\})$	549755813888
8	$\mathcal{O}(2; \{2^8, 4^3, 8^{14}\})$	2199023255552
8	$\mathcal{O}(2; \{2^5, 4^5, 8^{14}\})$	8796093022208
8	$\mathcal{O}(2; \{2^2, 4^7, 8^{14}\})$	35184372088832

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^9, 8^{16}\})$	4398046511104
8	$\mathcal{O}(2; \{2^6, 4^2, 8^{16}\})$	17592186044416
8	$\mathcal{O}(2; \{2^3, 4^4, 8^{16}\})$	70368744177664
8	$\mathcal{O}(2; \{4^6, 8^{16}\})$	281474976710656
8	$\mathcal{O}(2; \{2^4, 4, 8^{18}\})$	140737488355328
8	$\mathcal{O}(2; \{2, 4^3, 8^{18}\})$	562949953421312
8	$\mathcal{O}(2; \{2^2, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(1; \{2^{38}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{35}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{32}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{29}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{26}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{23}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{20}, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{17}, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{14}, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{11}, 4^{20}\})$	25165824
8	$\mathcal{O}(1; \{2^8, 4^{22}\})$	100663296
8	$\mathcal{O}(1; \{2^5, 4^{24}\})$	402653184
8	$\mathcal{O}(1; \{2^2, 4^{26}\})$	1610612736
8	$\mathcal{O}(1; \{2^{36}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{33}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{30}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{27}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{24}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^{21}, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{18}, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{15}, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{12}, 4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^9, 4^{19}, 8^2\})$	134217728
8	$\mathcal{O}(1; \{2^6, 4^{21}, 8^2\})$	536870912
8	$\mathcal{O}(1; \{2^3, 4^{23}, 8^2\})$	2147483648
8	$\mathcal{O}(1; \{4^{25}, 8^2\})$	8589934592
8	$\mathcal{O}(1; \{2^{34}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{31}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{28}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{25}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{22}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{19}, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{16}, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{13}, 4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^{10}, 4^{16}, 8^4\})$	268435456
8	$\mathcal{O}(1; \{2^7, 4^{18}, 8^4\})$	1073741824

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^4, 4^{20}, 8^4\})$	4294967296
8	$\mathcal{O}(1; \{2, 4^{22}, 8^4\})$	17179869184
8	$\mathcal{O}(1; \{2^{29}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{26}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{23}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^{20}, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^{17}, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{14}, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{11}, 4^{13}, 8^6\})$	536870912
8	$\mathcal{O}(1; \{2^8, 4^{15}, 8^6\})$	2147483648
8	$\mathcal{O}(1; \{2^5, 4^{17}, 8^6\})$	8589934592
8	$\mathcal{O}(1; \{2^2, 4^{19}, 8^6\})$	34359738368
8	$\mathcal{O}(1; \{2^{27}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{24}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^{21}, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^{18}, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{15}, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{12}, 4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^9, 4^{12}, 8^8\})$	4294967296
8	$\mathcal{O}(1; \{2^6, 4^{14}, 8^8\})$	17179869184
8	$\mathcal{O}(1; \{2^3, 4^{16}, 8^8\})$	68719476736
8	$\mathcal{O}(1; \{4^{18}, 8^8\})$	274877906944
8	$\mathcal{O}(1; \{2^{22}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^{19}, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^{16}, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^{13}, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{10}, 4^9, 8^{10}\})$	8589934592
8	$\mathcal{O}(1; \{2^7, 4^{11}, 8^{10}\})$	34359738368
8	$\mathcal{O}(1; \{2^4, 4^{13}, 8^{10}\})$	137438953472
8	$\mathcal{O}(1; \{2, 4^{15}, 8^{10}\})$	549755813888
8	$\mathcal{O}(1; \{2^{20}, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^{17}, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^{14}, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^{11}, 4^6, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^8, 4^8, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^5, 4^{10}, 8^{12}\})$	274877906944
8	$\mathcal{O}(1; \{2^2, 4^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{15}, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{2^{12}, 4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2^9, 4^5, 8^{14}\})$	137438953472
8	$\mathcal{O}(1; \{2^6, 4^7, 8^{14}\})$	549755813888
8	$\mathcal{O}(1; \{2^3, 4^9, 8^{14}\})$	2199023255552
8	$\mathcal{O}(1; \{4^{11}, 8^{14}\})$	8796093022208

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{13}, 8^{16}\})$	68719476736
8	$\mathcal{O}(1; \{2^{10}, 4^2, 8^{16}\})$	274877906944
8	$\mathcal{O}(1; \{2^7, 4^4, 8^{16}\})$	1099511627776
8	$\mathcal{O}(1; \{2^4, 4^6, 8^{16}\})$	4398046511104
8	$\mathcal{O}(1; \{2, 4^8, 8^{16}\})$	17592186044416
8	$\mathcal{O}(1; \{2^8, 4, 8^{18}\})$	2199023255552
8	$\mathcal{O}(1; \{2^5, 4^3, 8^{18}\})$	8796093022208
8	$\mathcal{O}(1; \{2^2, 4^5, 8^{18}\})$	35184372088832
8	$\mathcal{O}(1; \{2^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(1; \{2^3, 4^2, 8^{20}\})$	70368744177664
8	$\mathcal{O}(1; \{4^4, 8^{20}\})$	281474976710656
8	$\mathcal{O}(1; \{2, 4, 8^{22}\})$	562949953421312
8	$\mathcal{O}(0; \{2^{40}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{37}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{34}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{31}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{28}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{25}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{22}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{19}, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{16}, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{13}, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{10}, 4^{21}, 8^2\})$	8388608
8	$\mathcal{O}(0; \{2^7, 4^{23}, 8^2\})$	33554432
8	$\mathcal{O}(0; \{2^4, 4^{25}, 8^2\})$	134217728
8	$\mathcal{O}(0; \{2, 4^{27}, 8^2\})$	536870912
8	$\mathcal{O}(0; \{2^{38}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{35}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{32}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{29}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{26}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{23}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^{20}, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{17}, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{14}, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{11}, 4^{18}, 8^4\})$	16777216
8	$\mathcal{O}(0; \{2^8, 4^{20}, 8^4\})$	67108864
8	$\mathcal{O}(0; \{2^5, 4^{22}, 8^4\})$	268435456
8	$\mathcal{O}(0; \{2^2, 4^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(0; \{2^{33}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{30}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{27}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{24}, 4^7, 8^6\})$	131072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{21}, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{18}, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{15}, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{12}, 4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^9, 4^{17}, 8^6\})$	134217728
8	$\mathcal{O}(0; \{2^6, 4^{19}, 8^6\})$	536870912
8	$\mathcal{O}(0; \{2^3, 4^{21}, 8^6\})$	2147483648
8	$\mathcal{O}(0; \{4^{23}, 8^6\})$	8589934592
8	$\mathcal{O}(0; \{2^{31}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{28}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{25}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{22}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{19}, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^{16}, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{13}, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{10}, 4^{14}, 8^8\})$	268435456
8	$\mathcal{O}(0; \{2^7, 4^{16}, 8^8\})$	1073741824
8	$\mathcal{O}(0; \{2^4, 4^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(0; \{2, 4^{20}, 8^8\})$	17179869184
8	$\mathcal{O}(0; \{2^{26}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{23}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^{20}, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^{17}, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{14}, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{11}, 4^{11}, 8^{10}\})$	536870912
8	$\mathcal{O}(0; \{2^8, 4^{13}, 8^{10}\})$	2147483648
8	$\mathcal{O}(0; \{2^5, 4^{15}, 8^{10}\})$	8589934592
8	$\mathcal{O}(0; \{2^2, 4^{17}, 8^{10}\})$	34359738368
8	$\mathcal{O}(0; \{2^{24}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^{21}, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^{18}, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^{15}, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{12}, 4^8, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^9, 4^{10}, 8^{12}\})$	4294967296
8	$\mathcal{O}(0; \{2^6, 4^{12}, 8^{12}\})$	17179869184
8	$\mathcal{O}(0; \{2^3, 4^{14}, 8^{12}\})$	68719476736
8	$\mathcal{O}(0; \{4^{16}, 8^{12}\})$	274877906944
8	$\mathcal{O}(0; \{2^{19}, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^{16}, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^{13}, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^{10}, 4^7, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^7, 4^9, 8^{14}\})$	34359738368
8	$\mathcal{O}(0; \{2^4, 4^{11}, 8^{14}\})$	137438953472

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2, 4^{13}, 8^{14}\})$	549755813888
8	$\mathcal{O}(0; \{2^{17}, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^{14}, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{2^{11}, 4^4, 8^{16}\})$	17179869184
8	$\mathcal{O}(0; \{2^8, 4^6, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^5, 4^8, 8^{16}\})$	274877906944
8	$\mathcal{O}(0; \{2^2, 4^{10}, 8^{16}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{12}, 4, 8^{18}\})$	34359738368
8	$\mathcal{O}(0; \{2^9, 4^3, 8^{18}\})$	137438953472
8	$\mathcal{O}(0; \{2^6, 4^5, 8^{18}\})$	549755813888
8	$\mathcal{O}(0; \{2^3, 4^7, 8^{18}\})$	2199023255552
8	$\mathcal{O}(0; \{4^9, 8^{18}\})$	8796093022208
8	$\mathcal{O}(0; \{2^{10}, 8^{20}\})$	274877906944
8	$\mathcal{O}(0; \{2^7, 4^2, 8^{20}\})$	1099511627776
8	$\mathcal{O}(0; \{2^4, 4^4, 8^{20}\})$	4398046511104
8	$\mathcal{O}(0; \{2, 4^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(0; \{2^5, 4, 8^{22}\})$	8796093022208
8	$\mathcal{O}(0; \{2^2, 4^3, 8^{22}\})$	35184372088832
8	$\mathcal{O}(0; \{2^3, 8^{24}\})$	70368744177664
8	$\mathcal{O}(0; \{4^2, 8^{24}\})$	281474976710656
9	$\mathcal{O}(8; \{3, 9^4\})$	600378541187996484
9	$\mathcal{O}(7; \{3^4, 9^4\})$	59296646043258912
9	$\mathcal{O}(7; \{9^7\})$	700441631385995898
9	$\mathcal{O}(6; \{3^7, 9^4\})$	5856458868470016
9	$\mathcal{O}(6; \{3^3, 9^7\})$	69179420383802064
9	$\mathcal{O}(5; \{3^{10}, 9^4\})$	578415690713088
9	$\mathcal{O}(5; \{3^6, 9^7\})$	6832535346548352
9	$\mathcal{O}(5; \{3^2, 9^{10}\})$	93886356235159944
9	$\mathcal{O}(4; \{3^{13}, 9^4\})$	57127475625984
9	$\mathcal{O}(4; \{3^9, 9^7\})$	674818305831936
9	$\mathcal{O}(4; \{3^5, 9^{10}\})$	9272726541744192
9	$\mathcal{O}(4; \{3, 9^{13}\})$	124907286804087060
9	$\mathcal{O}(3; \{3^{16}, 9^4\})$	5642219814912
9	$\mathcal{O}(3; \{3^{12}, 9^7\})$	66648721563648
9	$\mathcal{O}(3; \{3^8, 9^{10}\})$	915824843629056
9	$\mathcal{O}(3; \{3^4, 9^{13}\})$	12336522153490080
9	$\mathcal{O}(3; \{9^{16}\})$	166588802657026002
9	$\mathcal{O}(2; \{3^{19}, 9^4\})$	557256278016
9	$\mathcal{O}(2; \{3^{15}, 9^7\})$	6582589784064
9	$\mathcal{O}(2; \{3^{11}, 9^{10}\})$	90451836407808
9	$\mathcal{O}(2; \{3^7, 9^{13}\})$	1218421941085440
9	$\mathcal{O}(2; \{3^3, 9^{16}\})$	16453215077237136
9	$\mathcal{O}(1; \{3^{22}, 9^4\})$	55037657088

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(1; \{3^{18}, 9^7\})$	650132324352
9	$\mathcal{O}(1; \{3^{14}, 9^{10}\})$	8933514706944
9	$\mathcal{O}(1; \{3^{10}, 9^{13}\})$	120337969489920
9	$\mathcal{O}(1; \{3^6, 9^{16}\})$	1625008896517248
9	$\mathcal{O}(1; \{3^2, 9^{19}\})$	21936866957552232
9	$\mathcal{O}(0; \{3^{25}, 9^4\})$	5435817984
9	$\mathcal{O}(0; \{3^{21}, 9^7\})$	64210599936
9	$\mathcal{O}(0; \{3^{17}, 9^{10}\})$	882322440192
9	$\mathcal{O}(0; \{3^{13}, 9^{13}\})$	11885231554560
9	$\mathcal{O}(0; \{3^9, 9^{16}\})$	160494705828864
9	$\mathcal{O}(0; \{3^5, 9^{19}\})$	2166604143955776
9	$\mathcal{O}(0; \{3, 9^{22}\})$	29249281467641412
10	$\mathcal{O}(8; \{5^3\})$	119998168945312500
10	$\mathcal{O}(7; \{2^4, 5^3\})$	1200000000000000
10	$\mathcal{O}(7; \{2^2, 5^2, 10^2\})$	5200000000000000
10	$\mathcal{O}(7; \{5, 10^4\})$	2040000000000000
10	$\mathcal{O}(6; \{2^8, 5^3\})$	1200000000000000
10	$\mathcal{O}(6; \{5^8\})$	13104799804687500
10	$\mathcal{O}(6; \{2^3, 5^5, 10\})$	8200000000000000
10	$\mathcal{O}(6; \{2^6, 5^2, 10^2\})$	5200000000000000
10	$\mathcal{O}(6; \{2, 5^4, 10^3\})$	3276000000000000
10	$\mathcal{O}(6; \{2^4, 5, 10^4\})$	2040000000000000
10	$\mathcal{O}(6; \{2^2, 10^6\})$	8200000000000000
10	$\mathcal{O}(5; \{2^{12}, 5^3\})$	1200000000000000
10	$\mathcal{O}(5; \{2^4, 5^8\})$	1310800000000000
10	$\mathcal{O}(5; \{2^7, 5^5, 10\})$	8200000000000000
10	$\mathcal{O}(5; \{2^{10}, 5^2, 10^2\})$	5200000000000000
10	$\mathcal{O}(5; \{2^2, 5^7, 10^2\})$	5242800000000000
10	$\mathcal{O}(5; \{2^5, 5^4, 10^3\})$	3276000000000000
10	$\mathcal{O}(5; \{2^8, 5, 10^4\})$	2040000000000000
10	$\mathcal{O}(5; \{5^6, 10^4\})$	2097160000000000
10	$\mathcal{O}(5; \{2^3, 5^3, 10^5\})$	1310800000000000
10	$\mathcal{O}(5; \{2^6, 10^6\})$	8200000000000000
10	$\mathcal{O}(5; \{2, 5^2, 10^7\})$	5242800000000000
10	$\mathcal{O}(4; \{2^{16}, 5^3\})$	1200000000
10	$\mathcal{O}(4; \{2^8, 5^8\})$	1310800000000000
10	$\mathcal{O}(4; \{5^{13}\})$	1336934320312500
10	$\mathcal{O}(4; \{2^{11}, 5^5, 10\})$	820000000000
10	$\mathcal{O}(4; \{2^3, 5^{10}, 10\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{14}, 5^2, 10^2\})$	5200000000
10	$\mathcal{O}(4; \{2^6, 5^7, 10^2\})$	5242800000000000
10	$\mathcal{O}(4; \{2^9, 5^4, 10^3\})$	3276000000000000
10	$\mathcal{O}(4; \{2, 5^9, 10^3\})$	3355444000000000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{2^{12}, 5, 10^4\})$	20400000000
10	$\mathcal{O}(4; \{2^4, 5^6, 10^4\})$	2097160000000
10	$\mathcal{O}(4; \{2^7, 5^3, 10^5\})$	1310800000000
10	$\mathcal{O}(4; \{2^{10}, 10^6\})$	82000000000
10	$\mathcal{O}(4; \{2^2, 5^5, 10^6\})$	8388600000000
10	$\mathcal{O}(4; \{2^5, 5^2, 10^7\})$	5242800000000
10	$\mathcal{O}(4; \{5^4, 10^8\})$	335544400000000
10	$\mathcal{O}(4; \{2^3, 5, 10^9\})$	2097160000000
10	$\mathcal{O}(4; \{2, 10^{11}\})$	8388600000000
10	$\mathcal{O}(3; \{2^{20}, 5^3\})$	12000000
10	$\mathcal{O}(3; \{2^{12}, 5^8\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^{13}\})$	13421772000000
10	$\mathcal{O}(3; \{2^{15}, 5^5, 10\})$	820000000
10	$\mathcal{O}(3; \{2^7, 5^{10}, 10\})$	8388600000000
10	$\mathcal{O}(3; \{2^{18}, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{2^{10}, 5^7, 10^2\})$	52428000000
10	$\mathcal{O}(3; \{2^2, 5^{12}, 10^2\})$	53687092000000
10	$\mathcal{O}(3; \{2^{13}, 5^4, 10^3\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 5^9, 10^3\})$	3355444000000
10	$\mathcal{O}(3; \{2^{16}, 5, 10^4\})$	204000000
10	$\mathcal{O}(3; \{2^8, 5^6, 10^4\})$	209716000000
10	$\mathcal{O}(3; \{5^{11}, 10^4\})$	214748364000000
10	$\mathcal{O}(3; \{2^{11}, 5^3, 10^5\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5^8, 10^5\})$	13421772000000
10	$\mathcal{O}(3; \{2^{14}, 10^6\})$	820000000
10	$\mathcal{O}(3; \{2^6, 5^5, 10^6\})$	8388600000000
10	$\mathcal{O}(3; \{2^9, 5^2, 10^7\})$	52428000000
10	$\mathcal{O}(3; \{2, 5^7, 10^7\})$	53687092000000
10	$\mathcal{O}(3; \{2^4, 5^4, 10^8\})$	3355444000000
10	$\mathcal{O}(3; \{2^7, 5, 10^9\})$	209716000000
10	$\mathcal{O}(3; \{2^2, 5^3, 10^{10}\})$	13421772000000
10	$\mathcal{O}(3; \{2^5, 10^{11}\})$	8388600000000
10	$\mathcal{O}(3; \{5^2, 10^{12}\})$	53687092000000
10	$\mathcal{O}(2; \{2^{24}, 5^3\})$	120000
10	$\mathcal{O}(2; \{2^{16}, 5^8\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^{13}\})$	134217720000
10	$\mathcal{O}(2; \{5^{18}\})$	128849018887500
10	$\mathcal{O}(2; \{2^{19}, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2^{11}, 5^{10}, 10\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^{15}, 10\})$	8589934600000
10	$\mathcal{O}(2; \{2^{22}, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{2^{14}, 5^7, 10^2\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^{12}, 10^2\})$	536870920000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^{17}, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^9, 10^3\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^{14}, 10^3\})$	34359738360000
10	$\mathcal{O}(2; \{2^{20}, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{2^{12}, 5^6, 10^4\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^{11}, 10^4\})$	2147483640000
10	$\mathcal{O}(2; \{2^{15}, 5^3, 10^5\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^8, 10^5\})$	134217720000
10	$\mathcal{O}(2; \{2^{18}, 10^6\})$	8200000
10	$\mathcal{O}(2; \{2^{10}, 5^5, 10^6\})$	8388600000
10	$\mathcal{O}(2; \{2^2, 5^{10}, 10^6\})$	8589934600000
10	$\mathcal{O}(2; \{2^{13}, 5^2, 10^7\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^7, 10^7\})$	536870920000
10	$\mathcal{O}(2; \{2^8, 5^4, 10^8\})$	33554440000
10	$\mathcal{O}(2; \{5^9, 10^8\})$	34359738360000
10	$\mathcal{O}(2; \{2^{11}, 5, 10^9\})$	2097160000
10	$\mathcal{O}(2; \{2^3, 5^6, 10^9\})$	2147483640000
10	$\mathcal{O}(2; \{2^6, 5^3, 10^{10}\})$	134217720000
10	$\mathcal{O}(2; \{2^9, 10^{11}\})$	8388600000
10	$\mathcal{O}(2; \{2, 5^5, 10^{11}\})$	8589934600000
10	$\mathcal{O}(2; \{2^4, 5^2, 10^{12}\})$	536870920000
10	$\mathcal{O}(2; \{2^2, 5, 10^{14}\})$	2147483640000
10	$\mathcal{O}(2; \{10^{16}\})$	8589934600000
10	$\mathcal{O}(1; \{2^{28}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^{20}, 5^8\})$	1310800
10	$\mathcal{O}(1; \{2^{12}, 5^{13}\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^{18}\})$	1374389534800
10	$\mathcal{O}(1; \{2^{23}, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^{15}, 5^{10}, 10\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^{15}, 10\})$	85899346000
10	$\mathcal{O}(1; \{2^{26}, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^{18}, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^{12}, 10^2\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^{17}, 10^2\})$	5497558138800
10	$\mathcal{O}(1; \{2^{21}, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2^{13}, 5^9, 10^3\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^{14}, 10^3\})$	343597383600
10	$\mathcal{O}(1; \{2^{24}, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{2^{16}, 5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^{11}, 10^4\})$	21474836400
10	$\mathcal{O}(1; \{5^{16}, 10^4\})$	21990232555600
10	$\mathcal{O}(1; \{2^{19}, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2^{11}, 5^8, 10^5\})$	1342177200

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^3, 5^{13}, 10^5\})$	1374389534800
10	$\mathcal{O}(1; \{2^{22}, 10^6\})$	82000
10	$\mathcal{O}(1; \{2^{14}, 5^5, 10^6\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^{10}, 10^6\})$	85899346000
10	$\mathcal{O}(1; \{2^{17}, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^7, 10^7\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^{12}, 10^7\})$	5497558138800
10	$\mathcal{O}(1; \{2^{12}, 5^4, 10^8\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^9, 10^8\})$	343597383600
10	$\mathcal{O}(1; \{2^{15}, 5, 10^9\})$	20971600
10	$\mathcal{O}(1; \{2^7, 5^6, 10^9\})$	21474836400
10	$\mathcal{O}(1; \{2^{10}, 5^3, 10^{10}\})$	1342177200
10	$\mathcal{O}(1; \{2^2, 5^8, 10^{10}\})$	1374389534800
10	$\mathcal{O}(1; \{2^{13}, 10^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^5, 5^5, 10^{11}\})$	85899346000
10	$\mathcal{O}(1; \{2^8, 5^2, 10^{12}\})$	5368709200
10	$\mathcal{O}(1; \{5^7, 10^{12}\})$	5497558138800
10	$\mathcal{O}(1; \{2^3, 5^4, 10^{13}\})$	343597383600
10	$\mathcal{O}(1; \{2^6, 5, 10^{14}\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^3, 10^{15}\})$	1374389534800
10	$\mathcal{O}(1; \{2^4, 10^{16}\})$	85899346000
10	$\mathcal{O}(0; \{2^{32}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^{24}, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^{16}, 5^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^{18}\})$	13743895348
10	$\mathcal{O}(0; \{2^{27}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^{19}, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^{15}, 10\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{20}, 10\})$	879609302220
10	$\mathcal{O}(0; \{2^{30}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^{22}, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^{14}, 5^{12}, 10^2\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^{17}, 10^2\})$	54975581388
10	$\mathcal{O}(0; \{2^{25}, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^{17}, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^{14}, 10^3\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{19}, 10^3\})$	3518437208884
10	$\mathcal{O}(0; \{2^{28}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^{20}, 5^6, 10^4\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^{11}, 10^4\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{16}, 10^4\})$	219902325556
10	$\mathcal{O}(0; \{2^{23}, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^{15}, 5^8, 10^5\})$	13421772

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^{13}, 10^5\})$	13743895348
10	$\mathcal{O}(0; \{2^{26}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^{18}, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^{10}, 10^6\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^{15}, 10^6\})$	879609302220
10	$\mathcal{O}(0; \{2^{21}, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{2^{13}, 5^7, 10^7\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^{12}, 10^7\})$	54975581388
10	$\mathcal{O}(0; \{2^{16}, 5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^9, 10^8\})$	3435973836
10	$\mathcal{O}(0; \{5^{14}, 10^8\})$	3518437208884
10	$\mathcal{O}(0; \{2^{19}, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{2^{11}, 5^6, 10^9\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^{11}, 10^9\})$	219902325556
10	$\mathcal{O}(0; \{2^{14}, 5^3, 10^{10}\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5^8, 10^{10}\})$	13743895348
10	$\mathcal{O}(0; \{2^{17}, 10^{11}\})$	838860
10	$\mathcal{O}(0; \{2^9, 5^5, 10^{11}\})$	858993460
10	$\mathcal{O}(0; \{2, 5^{10}, 10^{11}\})$	879609302220
10	$\mathcal{O}(0; \{2^{12}, 5^2, 10^{12}\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^7, 10^{12}\})$	54975581388
10	$\mathcal{O}(0; \{2^7, 5^4, 10^{13}\})$	3435973836
10	$\mathcal{O}(0; \{2^{10}, 5, 10^{14}\})$	214748364
10	$\mathcal{O}(0; \{2^2, 5^6, 10^{14}\})$	219902325556
10	$\mathcal{O}(0; \{2^5, 5^3, 10^{15}\})$	13743895348
10	$\mathcal{O}(0; \{2^8, 10^{16}\})$	858993460
10	$\mathcal{O}(0; \{5^5, 10^{16}\})$	879609302220
10	$\mathcal{O}(0; \{2^3, 5^2, 10^{17}\})$	54975581388
10	$\mathcal{O}(0; \{2, 5, 10^{19}\})$	219902325556
11	$\mathcal{O}(3; \{11^{12}\})$	161051000001610510
12	$\mathcal{O}(7; \{6^2\})$	2567680200769536
12	$\mathcal{O}(6; \{2^2, 3^4\})$	53483541995520
12	$\mathcal{O}(6; \{2^3, 3^2, 6\})$	17827847331840
12	$\mathcal{O}(6; \{3^2, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{2^4, 6^2\})$	17827847331840
12	$\mathcal{O}(6; \{3^3, 6^2\})$	89139236659200
12	$\mathcal{O}(6; \{2, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3, 6^3\})$	53483541995520
12	$\mathcal{O}(6; \{3^3, 4, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2, 3, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 6, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{12^4\})$	427972821516288

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^6, 3^4\})$	371141388288
12	$\mathcal{O}(5; \{2^2, 3^7\})$	2597989718016
12	$\mathcal{O}(5; \{2^3, 3^4, 4^2\})$	743008370688
12	$\mathcal{O}(5; \{3^4, 4^4\})$	2972033482752
12	$\mathcal{O}(5; \{2^7, 3^2, 6\})$	123713796096
12	$\mathcal{O}(5; \{2^3, 3^5, 6\})$	1360851757056
12	$\mathcal{O}(5; \{2^4, 3^2, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{3^5, 4^2, 6\})$	2724364025856
12	$\mathcal{O}(5; \{2, 3^2, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{2^8, 6^2\})$	123713796096
12	$\mathcal{O}(5; \{2^4, 3^3, 6^2\})$	618568980480
12	$\mathcal{O}(5; \{3^6, 6^2\})$	5319693232128
12	$\mathcal{O}(5; \{2^5, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^3, 4^2, 6^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{2^5, 3, 6^3\})$	371141388288
12	$\mathcal{O}(5; \{2, 3^4, 6^3\})$	2597989718016
12	$\mathcal{O}(5; \{2^2, 3, 4^2, 6^3\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^2, 6^4\})$	1360851757056
12	$\mathcal{O}(5; \{2^3, 6^5\})$	618568980480
12	$\mathcal{O}(5; \{4^2, 6^5\})$	1238347284480
12	$\mathcal{O}(5; \{3, 6^6\})$	2597989718016
12	$\mathcal{O}(5; \{2^4, 3^3, 4, 12\})$	743008370688
12	$\mathcal{O}(5; \{3^6, 4, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3^3, 4^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^5, 3, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^4, 4, 6, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 3, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3^2, 4, 6^2, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 4, 6^3, 12\})$	743008370688
12	$\mathcal{O}(5; \{4^3, 6^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{3, 4, 6^4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^5, 3^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^5, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^2, 4^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{2^6, 6, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^3, 6, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 4^2, 6, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{4^4, 6, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3, 6^2, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3, 4^2, 6^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{3^2, 6^3, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2, 6^4, 12^2\})$	2724364025856

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^3, 3, 4, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{3, 4^3, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{3^2, 4, 6, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2, 4, 6^2, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{2^4, 12^4\})$	2972033482752
12	$\mathcal{O}(5; \{3^3, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2, 4^2, 12^4\})$	11888133931008
12	$\mathcal{O}(5; \{2, 3, 6, 12^4\})$	10897456103424
12	$\mathcal{O}(4; \{2^{10}, 3^4\})$	2569812480
12	$\mathcal{O}(4; \{2^6, 3^7\})$	17988687360
12	$\mathcal{O}(4; \{2^2, 3^{10}\})$	146479311360
12	$\mathcal{O}(4; \{2^7, 3^4, 4^2\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^7, 4^2\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3^4, 4^4\})$	20639121408
12	$\mathcal{O}(4; \{3^7, 4^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^4, 4^6\})$	82556485632
12	$\mathcal{O}(4; \{2^{11}, 3^2, 6\})$	856604160
12	$\mathcal{O}(4; \{2^7, 3^5, 6\})$	9422645760
12	$\mathcal{O}(4; \{2^3, 3^8, 6\})$	72811353600
12	$\mathcal{O}(4; \{2^8, 3^2, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 3^5, 4^2, 6\})$	18919194624
12	$\mathcal{O}(4; \{3^8, 4^2, 6\})$	146193776640
12	$\mathcal{O}(4; \{2^5, 3^2, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2, 3^5, 4^4, 6\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^2, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{2^{12}, 6^2\})$	856604160
12	$\mathcal{O}(4; \{2^8, 3^3, 6^2\})$	4283020800
12	$\mathcal{O}(4; \{2^4, 3^6, 6^2\})$	36833978880
12	$\mathcal{O}(4; \{3^9, 6^2\})$	292102018560
12	$\mathcal{O}(4; \{2^9, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^3, 4^2, 6^2\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^6, 4^2, 6^2\})$	73956851712
12	$\mathcal{O}(4; \{2^6, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^3, 4^4, 6^2\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{4^8, 6^2\})$	110075314176
12	$\mathcal{O}(4; \{2^9, 3, 6^3\})$	2569812480
12	$\mathcal{O}(4; \{2^5, 3^4, 6^3\})$	17988687360
12	$\mathcal{O}(4; \{2, 3^7, 6^3\})$	146479311360
12	$\mathcal{O}(4; \{2^6, 3, 4^2, 6^3\})$	5159780352
12	$\mathcal{O}(4; \{2^2, 3^4, 4^2, 6^3\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 3, 4^4, 6^3\})$	20639121408
12	$\mathcal{O}(4; \{3, 4^6, 6^3\})$	82556485632

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^6, 3^2, 6^4\})$	9422645760
12	$\mathcal{O}(4; \{2^2, 3^5, 6^4\})$	72811353600
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 6^4\})$	18919194624
12	$\mathcal{O}(4; \{3^2, 4^4, 6^4\})$	75676778496
12	$\mathcal{O}(4; \{2^7, 6^5\})$	4283020800
12	$\mathcal{O}(4; \{2^3, 3^3, 6^5\})$	36833978880
12	$\mathcal{O}(4; \{2^4, 4^2, 6^5\})$	8599633920
12	$\mathcal{O}(4; \{3^3, 4^2, 6^5\})$	73956851712
12	$\mathcal{O}(4; \{2, 4^4, 6^5\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3, 6^6\})$	17988687360
12	$\mathcal{O}(4; \{3^4, 6^6\})$	146479311360
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^6\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^2, 6^7\})$	72811353600
12	$\mathcal{O}(4; \{2^2, 6^8\})$	36833978880
12	$\mathcal{O}(4; \{2^8, 3^3, 4, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^6, 4, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^9, 4, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3^3, 4^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^6, 4^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^3, 4^5, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^9, 3, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^4, 4, 6, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^7, 4, 6, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 3, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^4, 4^3, 6, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{3, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^6, 3^2, 4, 6^2, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^5, 4, 6^2, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 3^2, 4^3, 6^2, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^2, 4^5, 6^2, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^7, 4, 6^3, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^3, 4, 6^3, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 4^3, 6^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{3^3, 4^3, 6^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2, 4^5, 6^3, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^4, 3, 4, 6^4, 12\})$	18919194624
12	$\mathcal{O}(4; \{3^4, 4, 6^4, 12\})$	146193776640
12	$\mathcal{O}(4; \{2, 3, 4^3, 6^4, 12\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^2, 4, 6^5, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 4, 6^6, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^9, 3^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^5, 12^2\})$	36118462464

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2, 3^8, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3^2, 4^2, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^5, 4^2, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^2, 4^4, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{3^2, 4^6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^{10}, 6, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^3, 6, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^6, 6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 4^2, 6, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^3, 4^2, 6, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 4^4, 6, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{3^3, 4^4, 6, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2, 4^6, 6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3, 6^2, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^4, 6^2, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 6^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{3^4, 4^2, 6^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2, 3, 4^4, 6^2, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 3^2, 6^3, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{3^5, 6^3, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6^3, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^5, 6^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^3, 6^4, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 4^2, 6^4, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3, 6^5, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{6^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3, 4, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^4, 4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 3, 4^3, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{3^4, 4^3, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2, 3, 4^5, 12^3\})$	330225942528
12	$\mathcal{O}(4; \{2^4, 3^2, 4, 6, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{3^5, 4, 6, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2, 3^2, 4^3, 6, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^5, 4, 6^2, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^3, 4, 6^2, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 4^3, 6^2, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3, 4, 6^3, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{4, 6^5, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^8, 12^4\})$	20639121408
12	$\mathcal{O}(4; \{2^4, 3^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3^6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 4^2, 12^4\})$	82556485632

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 4^4, 12^4\})$	330225942528
12	$\mathcal{O}(4; \{2^5, 3, 6, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^4, 6, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3^2, 6^2, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 6^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{4^2, 6^3, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{3, 6^4, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{2^3, 4, 6, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{4^3, 6, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{3, 4, 6^2, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 3, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{3, 4^2, 12^6\})$	2311581597696
12	$\mathcal{O}(4; \{3^2, 6, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2, 6^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{2, 4, 12^7\})$	2311581597696
12	$\mathcal{O}(3; \{2^{14}, 3^4\})$	17635968
12	$\mathcal{O}(3; \{2^{10}, 3^7\})$	123451776
12	$\mathcal{O}(3; \{2^6, 3^{10}\})$	1005250176
12	$\mathcal{O}(3; \{2^2, 3^{13}\})$	8024365440
12	$\mathcal{O}(3; \{2^{11}, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^7, 4^2\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^{10}, 4^2\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3^4, 4^4\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^7, 4^4\})$	1003290624
12	$\mathcal{O}(3; \{3^{10}, 4^4\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3^4, 4^6\})$	573308928
12	$\mathcal{O}(3; \{2, 3^7, 4^6\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^4, 4^8\})$	2293235712
12	$\mathcal{O}(3; \{2^{15}, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{2^{11}, 3^5, 6\})$	64665216
12	$\mathcal{O}(3; \{2^7, 3^8, 6\})$	499685760
12	$\mathcal{O}(3; \{2^3, 3^{11}, 6\})$	4015122048
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^8, 3^5, 4^2, 6\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^8, 4^2, 6\})$	1015234560
12	$\mathcal{O}(3; \{3^{11}, 4^2, 6\})$	8157708288
12	$\mathcal{O}(3; \{2^9, 3^2, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^5, 4^4, 6\})$	525533184
12	$\mathcal{O}(3; \{2, 3^8, 4^4, 6\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 3^2, 4^6, 6\})$	191102976

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^5, 4^6, 6\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^2, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{3^2, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{2^{16}, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^{12}, 3^3, 6^2\})$	29393280
12	$\mathcal{O}(3; \{2^8, 3^6, 6^2\})$	252782208
12	$\mathcal{O}(3; \{2^4, 3^9, 6^2\})$	2004621696
12	$\mathcal{O}(3; \{3^{12}, 6^2\})$	16054609536
12	$\mathcal{O}(3; \{2^{13}, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^3, 4^2, 6^2\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^6, 4^2, 6^2\})$	513589248
12	$\mathcal{O}(3; \{2, 3^9, 4^2, 6^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{10}, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^3, 4^4, 6^2\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^6, 4^4, 6^2\})$	2054356992
12	$\mathcal{O}(3; \{2^7, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^3, 4^6, 6^2\})$	955514880
12	$\mathcal{O}(3; \{2^4, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{3^3, 4^8, 6^2\})$	3822059520
12	$\mathcal{O}(3; \{2, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{13}, 3, 6^3\})$	17635968
12	$\mathcal{O}(3; \{2^9, 3^4, 6^3\})$	123451776
12	$\mathcal{O}(3; \{2^5, 3^7, 6^3\})$	1005250176
12	$\mathcal{O}(3; \{2, 3^{10}, 6^3\})$	8024365440
12	$\mathcal{O}(3; \{2^{10}, 3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{2^6, 3^4, 4^2, 6^3\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^7, 4^2, 6^3\})$	2042413056
12	$\mathcal{O}(3; \{2^7, 3, 4^4, 6^3\})$	143327232
12	$\mathcal{O}(3; \{2^3, 3^4, 4^4, 6^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3, 4^6, 6^3\})$	573308928
12	$\mathcal{O}(3; \{3^4, 4^6, 6^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3, 4^8, 6^3\})$	2293235712
12	$\mathcal{O}(3; \{2^{10}, 3^2, 6^4\})$	64665216
12	$\mathcal{O}(3; \{2^6, 3^5, 6^4\})$	499685760
12	$\mathcal{O}(3; \{2^2, 3^8, 6^4\})$	4015122048
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 6^4\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 6^4\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 6^4\})$	525533184
12	$\mathcal{O}(3; \{3^5, 4^4, 6^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 6^4\})$	2102132736
12	$\mathcal{O}(3; \{2^{11}, 6^5\})$	29393280
12	$\mathcal{O}(3; \{2^7, 3^3, 6^5\})$	252782208
12	$\mathcal{O}(3; \{2^3, 3^6, 6^5\})$	2004621696

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^8, 4^2, 6^5\})$	59719680
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6^5\})$	513589248
12	$\mathcal{O}(3; \{3^6, 4^2, 6^5\})$	4072882176
12	$\mathcal{O}(3; \{2^5, 4^4, 6^5\})$	238878720
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6^5\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 4^6, 6^5\})$	955514880
12	$\mathcal{O}(3; \{2^8, 3, 6^6\})$	123451776
12	$\mathcal{O}(3; \{2^4, 3^4, 6^6\})$	1005250176
12	$\mathcal{O}(3; \{3^7, 6^6\})$	8024365440
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^6\})$	250822656
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^6\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^6\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^2, 6^7\})$	499685760
12	$\mathcal{O}(3; \{2, 3^5, 6^7\})$	4015122048
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^7\})$	1015234560
12	$\mathcal{O}(3; \{2^6, 6^8\})$	252782208
12	$\mathcal{O}(3; \{2^2, 3^3, 6^8\})$	2004621696
12	$\mathcal{O}(3; \{2^3, 4^2, 6^8\})$	513589248
12	$\mathcal{O}(3; \{4^4, 6^8\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3, 6^9\})$	1005250176
12	$\mathcal{O}(3; \{3, 4^2, 6^9\})$	2042413056
12	$\mathcal{O}(3; \{3^2, 6^{10}\})$	4015122048
12	$\mathcal{O}(3; \{2, 6^{11}\})$	2004621696
12	$\mathcal{O}(3; \{2^{12}, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^6, 4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^9, 4, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^{12}, 4, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3^3, 4^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^6, 4^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^9, 4^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3^3, 4^5, 12\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^6, 4^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^3, 4^7, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^3, 4^9, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{13}, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^4, 4, 6, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^7, 4, 6, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^{10}, 4, 6, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^4, 4^3, 6, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^7, 4^3, 6, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 3, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^4, 4^5, 6, 12\})$	2102132736

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{3^4, 4^7, 6, 12\})$	8408530944
12	$\mathcal{O}(3; \{2, 3, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^5, 4, 6^2, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^8, 4, 6^2, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 3^2, 4^3, 6^2, 12\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^5, 4^3, 6^2, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^2, 4^5, 6^2, 12\})$	955514880
12	$\mathcal{O}(3; \{3^5, 4^5, 6^2, 12\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^2, 4^7, 6^2, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^{11}, 4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^3, 4, 6^3, 12\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^6, 4, 6^3, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 4^3, 6^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^3, 4^3, 6^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^6, 4^3, 6^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 4^5, 6^3, 12\})$	573308928
12	$\mathcal{O}(3; \{2, 3^3, 4^5, 6^3, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 4^7, 6^3, 12\})$	2293235712
12	$\mathcal{O}(3; \{2^8, 3, 4, 6^4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 6^4, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^7, 4, 6^4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 6^4, 12\})$	525533184
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 6^4, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 6^4, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6^5, 12\})$	513589248
12	$\mathcal{O}(3; \{2, 3^5, 4, 6^5, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6^5, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^6, 4, 6^6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^6, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 4^3, 6^6, 12\})$	1003290624
12	$\mathcal{O}(3; \{4^5, 6^6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^7, 12\})$	1015234560
12	$\mathcal{O}(3; \{3, 4^3, 6^7, 12\})$	4060938240
12	$\mathcal{O}(3; \{3^2, 4, 6^8, 12\})$	4072882176
12	$\mathcal{O}(3; \{2, 4, 6^9, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^{13}, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{11}, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^5, 4^2, 12^2\})$	1003290624

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^8, 4^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3^2, 4^4, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^5, 4^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^2, 4^6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{3^5, 4^6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^2, 4^8, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{14}, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^6, 6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^9, 6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^3, 4^2, 6, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^6, 4^2, 6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 4^4, 6, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^3, 4^4, 6, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^6, 4^4, 6, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 4^6, 6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2, 3^3, 4^6, 6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 4^8, 6, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^4, 6^2, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^7, 6^2, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 6^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 6^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^7, 4^2, 6^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 6^2, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 6^2, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 6^2, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^8, 3^2, 6^3, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^5, 6^3, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^8, 6^3, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6^3, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6^3, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6^3, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^9, 6^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^3, 6^4, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^6, 6^4, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 4^2, 6^4, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^4, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 4^4, 6^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{4^6, 6^4, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 3, 6^5, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^4, 6^5, 12^2\})$	4072882176

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^5, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3, 4^4, 6^5, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^2, 6^6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^2, 4^2, 6^6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 6^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{3^3, 6^7, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2, 4^2, 6^7, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2, 3, 6^8, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^4, 4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^7, 4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 3, 4^3, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^4, 4^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^7, 4^3, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3, 4^5, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^4, 4^5, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3, 4^7, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{2^8, 3^2, 4, 6, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^5, 4, 6, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^8, 4, 6, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 3^2, 4^3, 6, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^5, 4^3, 6, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^2, 4^5, 6, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^9, 4, 6^2, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 6^2, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^6, 4, 6^2, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 4^3, 6^2, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 6^2, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 4^5, 6^2, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{4^7, 6^2, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^6, 3, 4, 6^3, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6^3, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3, 4^5, 6^3, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^2, 4^3, 6^4, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 4, 6^5, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{3^3, 4, 6^5, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2, 4^3, 6^5, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2, 3, 4, 6^6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^{12}, 12^4\})$	143327232
12	$\mathcal{O}(3; \{2^8, 3^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^6, 12^4\})$	8169652224

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^9, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^9, 4^2, 12^4\})$	573308928
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 4^4, 12^4\})$	2293235712
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 4^6, 12^4\})$	9172942848
12	$\mathcal{O}(3; \{4^8, 12^4\})$	36691771392
12	$\mathcal{O}(3; \{2^9, 3, 6, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^4, 6, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^7, 6, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{3, 4^6, 6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^6, 3^2, 6^2, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^5, 6^2, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^2, 4^4, 6^2, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^7, 6^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^3, 6^3, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 4^2, 6^3, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{3^3, 4^2, 6^3, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2, 4^4, 6^3, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 3, 6^4, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{3^4, 6^4, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^4, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^2, 6^5, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 6^6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{3^2, 4^5, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^7, 4, 6, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 4^3, 6, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{3^3, 4^3, 6, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2, 4^5, 6, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^2, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{3^4, 4, 6^2, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^2, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^3, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 4, 6^4, 12^5\})$	16243752960

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{3^4, 4^2, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2, 3, 4^4, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{2^4, 3^2, 6, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{3^5, 6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^5, 6^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^3, 6^2, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 4^2, 6^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3, 6^3, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{6^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 4, 12^7\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^3, 4, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 4^3, 12^7\})$	64210599936
12	$\mathcal{O}(3; \{2^2, 3, 4, 6, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{4, 6^3, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 3^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 6, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{4^2, 6, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{3, 6^2, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{3, 4, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{2, 12^{10}\})$	522857742336
12	$\mathcal{O}(2; \{2^{18}, 3^4\})$	116640
12	$\mathcal{O}(2; \{2^{14}, 3^7\})$	816480
12	$\mathcal{O}(2; \{2^{10}, 3^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3^{13}\})$	53071200
12	$\mathcal{O}(2; \{2^2, 3^{16}\})$	424686240
12	$\mathcal{O}(2; \{2^{15}, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^{10}, 4^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{13}, 4^2\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^7, 4^4\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^4\})$	56733696
12	$\mathcal{O}(2; \{3^{13}, 4^4\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3^4, 4^6\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^7, 4^6\})$	27869184
12	$\mathcal{O}(2; \{2, 3^{10}, 4^6\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3^4, 4^8\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^7, 4^8\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^4, 4^{10}\})$	63700992

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^4, 4^{12}\})$	254803968
12	$\mathcal{O}(2; \{2^{19}, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2^{15}, 3^5, 6\})$	427680
12	$\mathcal{O}(2; \{2^{11}, 3^8, 6\})$	3304800
12	$\mathcal{O}(2; \{2^7, 3^{11}, 6\})$	26555040
12	$\mathcal{O}(2; \{2^3, 3^{14}, 6\})$	212323680
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^8, 4^2, 6\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4^2, 6\})$	56650752
12	$\mathcal{O}(2; \{3^{14}, 4^2, 6\})$	452957184
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^9, 3^5, 4^4, 6\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^8, 4^4, 6\})$	28200960
12	$\mathcal{O}(2; \{2, 3^{11}, 4^4, 6\})$	226603008
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^5, 4^6, 6\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^8, 4^6, 6\})$	112803840
12	$\mathcal{O}(2; \{2^7, 3^2, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^3, 3^5, 4^8, 6\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^2, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{3^5, 4^{10}, 6\})$	233570304
12	$\mathcal{O}(2; \{2, 3^2, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{2^{20}, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^{16}, 3^3, 6^2\})$	194400
12	$\mathcal{O}(2; \{2^{12}, 3^6, 6^2\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^9, 6^2\})$	13258080
12	$\mathcal{O}(2; \{2^4, 3^{12}, 6^2\})$	106181280
12	$\mathcal{O}(2; \{3^{15}, 6^2\})$	849333600
12	$\mathcal{O}(2; \{2^{17}, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^6, 4^2, 6^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^9, 4^2, 6^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{12}, 4^2, 6^2\})$	226520064
12	$\mathcal{O}(2; \{2^{14}, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^4, 6^2\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^6, 4^4, 6^2\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^9, 4^4, 6^2\})$	113135616
12	$\mathcal{O}(2; \{2^{11}, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^3, 4^6, 6^2\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^6, 4^6, 6^2\})$	57065472
12	$\mathcal{O}(2; \{2^8, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^3, 4^8, 6^2\})$	26542080

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^6, 4^8, 6^2\})$	228261888
12	$\mathcal{O}(2; \{2^5, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{2, 3^3, 4^{10}, 6^2\})$	106168320
12	$\mathcal{O}(2; \{2^2, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{2^{17}, 3, 6^3\})$	116640
12	$\mathcal{O}(2; \{2^{13}, 3^4, 6^3\})$	816480
12	$\mathcal{O}(2; \{2^9, 3^7, 6^3\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^{10}, 6^3\})$	53071200
12	$\mathcal{O}(2; \{2, 3^{13}, 6^3\})$	424686240
12	$\mathcal{O}(2; \{2^{14}, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^2, 6^3\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^7, 4^2, 6^3\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^2, 6^3\})$	113218560
12	$\mathcal{O}(2; \{2^{11}, 3, 4^4, 6^3\})$	995328
12	$\mathcal{O}(2; \{2^7, 3^4, 4^4, 6^3\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^7, 4^4, 6^3\})$	56733696
12	$\mathcal{O}(2; \{2^8, 3, 4^6, 6^3\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^4, 4^6, 6^3\})$	27869184
12	$\mathcal{O}(2; \{3^7, 4^6, 6^3\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3, 4^8, 6^3\})$	15925248
12	$\mathcal{O}(2; \{2, 3^4, 4^8, 6^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3, 4^{10}, 6^3\})$	63700992
12	$\mathcal{O}(2; \{2^{14}, 3^2, 6^4\})$	427680
12	$\mathcal{O}(2; \{2^{10}, 3^5, 6^4\})$	3304800
12	$\mathcal{O}(2; \{2^6, 3^8, 6^4\})$	26555040
12	$\mathcal{O}(2; \{2^2, 3^{11}, 6^4\})$	212323680
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 6^4\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 6^4\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 6^4\})$	56650752
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 6^4\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 6^4\})$	28200960
12	$\mathcal{O}(2; \{3^8, 4^4, 6^4\})$	226603008
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 6^4\})$	14598144
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 6^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 6^4\})$	58392576
12	$\mathcal{O}(2; \{2^{15}, 6^5\})$	194400
12	$\mathcal{O}(2; \{2^{11}, 3^3, 6^5\})$	1671840
12	$\mathcal{O}(2; \{2^7, 3^6, 6^5\})$	13258080
12	$\mathcal{O}(2; \{2^3, 3^9, 6^5\})$	106181280
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6^5\})$	414720
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6^5\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6^5\})$	28283904
12	$\mathcal{O}(2; \{3^9, 4^2, 6^5\})$	226520064

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 4^4, 6^5\})$	1658880
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6^5\})$	14266368
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6^5\})$	113135616
12	$\mathcal{O}(2; \{2^6, 4^6, 6^5\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6^5\})$	57065472
12	$\mathcal{O}(2; \{2^3, 4^8, 6^5\})$	26542080
12	$\mathcal{O}(2; \{4^{10}, 6^5\})$	106168320
12	$\mathcal{O}(2; \{2^{12}, 3, 6^6\})$	816480
12	$\mathcal{O}(2; \{2^8, 3^4, 6^6\})$	6648480
12	$\mathcal{O}(2; \{2^4, 3^7, 6^6\})$	53071200
12	$\mathcal{O}(2; \{3^{10}, 6^6\})$	424686240
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^6\})$	1741824
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^6\})$	14183424
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^6\})$	113218560
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^6\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^6\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^6\})$	27869184
12	$\mathcal{O}(2; \{3, 4^8, 6^6\})$	111476736
12	$\mathcal{O}(2; \{2^9, 3^2, 6^7\})$	3304800
12	$\mathcal{O}(2; \{2^5, 3^5, 6^7\})$	26555040
12	$\mathcal{O}(2; \{2, 3^8, 6^7\})$	212323680
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^7\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^7\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^7\})$	28200960
12	$\mathcal{O}(2; \{3^2, 4^6, 6^7\})$	112803840
12	$\mathcal{O}(2; \{2^{10}, 6^8\})$	1671840
12	$\mathcal{O}(2; \{2^6, 3^3, 6^8\})$	13258080
12	$\mathcal{O}(2; \{2^2, 3^6, 6^8\})$	106181280
12	$\mathcal{O}(2; \{2^7, 4^2, 6^8\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^8\})$	28283904
12	$\mathcal{O}(2; \{2^4, 4^4, 6^8\})$	14266368
12	$\mathcal{O}(2; \{3^3, 4^4, 6^8\})$	113135616
12	$\mathcal{O}(2; \{2, 4^6, 6^8\})$	57065472
12	$\mathcal{O}(2; \{2^7, 3, 6^9\})$	6648480
12	$\mathcal{O}(2; \{2^3, 3^4, 6^9\})$	53071200
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^9\})$	14183424
12	$\mathcal{O}(2; \{3^4, 4^2, 6^9\})$	113218560
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^9\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^2, 6^{10}\})$	26555040
12	$\mathcal{O}(2; \{3^5, 6^{10}\})$	212323680
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^{10}\})$	56650752
12	$\mathcal{O}(2; \{2^5, 6^{11}\})$	13258080
12	$\mathcal{O}(2; \{2, 3^3, 6^{11}\})$	106181280

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^2, 6^{11}\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3, 6^{12}\})$	53071200
12	$\mathcal{O}(2; \{6^{14}\})$	106181280
12	$\mathcal{O}(2; \{2^{16}, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^6, 4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^9, 4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{12}, 4, 12\})$	113218560
12	$\mathcal{O}(2; \{3^{15}, 4, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^6, 4^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^9, 4^3, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{12}, 4^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^5, 12\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^6, 4^5, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^9, 4^5, 12\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3^3, 4^7, 12\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^6, 4^7, 12\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^3, 4^9, 12\})$	63700992
12	$\mathcal{O}(2; \{3^6, 4^9, 12\})$	445906944
12	$\mathcal{O}(2; \{2, 3^3, 4^{11}, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{17}, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^7, 4, 6, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4, 6, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{13}, 4, 6, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^3, 6, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^7, 4^3, 6, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^3, 6, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^4, 4^5, 6, 12\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^7, 4^5, 6, 12\})$	112803840
12	$\mathcal{O}(2; \{2^8, 3, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^4, 4^7, 6, 12\})$	58392576
12	$\mathcal{O}(2; \{3^7, 4^7, 6, 12\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3, 4^9, 6, 12\})$	21233664
12	$\mathcal{O}(2; \{2, 3^4, 4^9, 6, 12\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4, 6^2, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^8, 4, 6^2, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4, 6^2, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^3, 6^2, 12\})$	1658880

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^5, 4^3, 6^2, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^8, 4^3, 6^2, 12\})$	113135616
12	$\mathcal{O}(2; \{2^8, 3^2, 4^5, 6^2, 12\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^5, 4^5, 6^2, 12\})$	57065472
12	$\mathcal{O}(2; \{3^8, 4^5, 6^2, 12\})$	452542464
12	$\mathcal{O}(2; \{2^5, 3^2, 4^7, 6^2, 12\})$	26542080
12	$\mathcal{O}(2; \{2, 3^5, 4^7, 6^2, 12\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^2, 4^9, 6^2, 12\})$	106168320
12	$\mathcal{O}(2; \{2^{15}, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4, 6^3, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^6, 4, 6^3, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^9, 4, 6^3, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 4^3, 6^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^3, 4^3, 6^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^6, 4^3, 6^3, 12\})$	56733696
12	$\mathcal{O}(2; \{3^9, 4^3, 6^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^9, 4^5, 6^3, 12\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^3, 4^5, 6^3, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^6, 4^5, 6^3, 12\})$	226934784
12	$\mathcal{O}(2; \{2^6, 4^7, 6^3, 12\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^3, 4^7, 6^3, 12\})$	111476736
12	$\mathcal{O}(2; \{2^3, 4^9, 6^3, 12\})$	63700992
12	$\mathcal{O}(2; \{4^{11}, 6^3, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 6^4, 12\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 6^4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 6^4, 12\})$	56650752
12	$\mathcal{O}(2; \{3^{10}, 4, 6^4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 6^4, 12\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 6^4, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 6^4, 12\})$	226603008
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 6^4, 12\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 6^4, 12\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 6^4, 12\})$	58392576
12	$\mathcal{O}(2; \{3, 4^9, 6^4, 12\})$	233570304
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6^5, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6^5, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^8, 4, 6^5, 12\})$	226520064
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6^5, 12\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6^5, 12\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6^5, 12\})$	57065472
12	$\mathcal{O}(2; \{3^2, 4^7, 6^5, 12\})$	228261888
12	$\mathcal{O}(2; \{2^{10}, 4, 6^6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^6, 12\})$	14183424

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^6, 12\})$	113218560
12	$\mathcal{O}(2; \{2^7, 4^3, 6^6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^6, 12\})$	56733696
12	$\mathcal{O}(2; \{2^4, 4^5, 6^6, 12\})$	27869184
12	$\mathcal{O}(2; \{3^3, 4^5, 6^6, 12\})$	226934784
12	$\mathcal{O}(2; \{2, 4^7, 6^6, 12\})$	111476736
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^7, 12\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^7, 12\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^7, 12\})$	28200960
12	$\mathcal{O}(2; \{3^4, 4^3, 6^7, 12\})$	226603008
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^7, 12\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^8, 12\})$	28283904
12	$\mathcal{O}(2; \{3^5, 4, 6^8, 12\})$	226520064
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^8, 12\})$	113135616
12	$\mathcal{O}(2; \{2^5, 4, 6^9, 12\})$	14183424
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^9, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 4^3, 6^9, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^{10}, 12\})$	56650752
12	$\mathcal{O}(2; \{4, 6^{12}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{17}, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{14}, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^8, 4^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^2, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^4, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^5, 4^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^8, 4^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3^2, 4^6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^5, 4^6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^8, 4^6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^2, 4^8, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2, 3^5, 4^8, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{10}, 12^2\})$	254803968
12	$\mathcal{O}(2; \{2^{18}, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^6, 6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^9, 6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{12}, 6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 4^2, 6, 12^2\})$	331776

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^2, 6, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^6, 4^2, 6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^9, 4^2, 6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^3, 4^4, 6, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^6, 4^4, 6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^9, 4^4, 6, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^9, 4^6, 6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^3, 4^6, 6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^6, 4^6, 6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^6, 4^8, 6, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^3, 4^8, 6, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^3, 4^{10}, 6, 12^2\})$	84934656
12	$\mathcal{O}(2; \{4^{12}, 6, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^7, 6^2, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{10}, 6^2, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 6^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 6^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 6^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^{10}, 4^2, 6^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 6^2, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 6^2, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 6^2, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 6^2, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 6^2, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 6^2, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3, 4^{10}, 6^2, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{12}, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^5, 6^3, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^8, 6^3, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^{11}, 6^3, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6^3, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6^3, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6^3, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6^3, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6^3, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6^3, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^2, 4^8, 6^3, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{13}, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^3, 6^4, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^6, 6^4, 12^2\})$	56650752

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^9, 6^4, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^4, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^4, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^4, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^7, 4^4, 6^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^4, 4^6, 6^4, 12^2\})$	58392576
12	$\mathcal{O}(2; \{3^3, 4^6, 6^4, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2, 4^8, 6^4, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{10}, 3, 6^5, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^4, 6^5, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^7, 6^5, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^5, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^5, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^5, 12^2\})$	57065472
12	$\mathcal{O}(2; \{3^4, 4^4, 6^5, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^5, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3^2, 6^6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^5, 6^6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3^5, 4^2, 6^6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^8, 6^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^3, 6^7, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^6, 6^7, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^5, 4^2, 6^7, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^7, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^2, 4^4, 6^7, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3, 6^8, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^4, 6^8, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^8, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^2, 6^9, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^3, 6^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{4^2, 6^{10}, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3, 6^{11}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^7, 4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^4, 4^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^7, 4^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^{10}, 4^3, 12^3\})$	1811496960

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 3, 4^5, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^4, 4^5, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2, 3^7, 4^5, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3, 4^7, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^4, 4^7, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3, 4^9, 12^3\})$	254803968
12	$\mathcal{O}(2; \{3, 4^{11}, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^5, 4, 6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^8, 4, 6, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^{11}, 4, 6, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 3^2, 4^3, 6, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^5, 4^3, 6, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^8, 4^3, 6, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^6, 3^2, 4^5, 6, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^5, 4^5, 6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^2, 4^7, 6, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3^2, 4^9, 6, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{13}, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 6^2, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 6^2, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^9, 4, 6^2, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 4^3, 6^2, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 6^2, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 6^2, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^7, 4^5, 6^2, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 6^2, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^4, 4^7, 6^2, 12^3\})$	106168320
12	$\mathcal{O}(2; \{3^3, 4^7, 6^2, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2, 4^9, 6^2, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6^3, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6^3, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6^3, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6^3, 12^3\})$	111476736
12	$\mathcal{O}(2; \{3^4, 4^5, 6^3, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2, 3, 4^7, 6^3, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^4, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3^5, 4^3, 6^4, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^4, 12^3\})$	451215360

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 4, 6^5, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^5, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^6, 4, 6^5, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^5, 4^3, 6^5, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^5, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^2, 4^5, 6^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^7, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^3, 4, 6^8, 12^3\})$	113135616
12	$\mathcal{O}(2; \{4^3, 6^8, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3, 4, 6^9, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{16}, 12^4\})$	995328
12	$\mathcal{O}(2; \{2^{12}, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^{12}, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{13}, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 4^4, 12^4\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^7, 4^6, 12^4\})$	63700992
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2^4, 4^8, 12^4\})$	254803968
12	$\mathcal{O}(2; \{3^3, 4^8, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2, 4^{10}, 12^4\})$	1019215872
12	$\mathcal{O}(2; \{2^{13}, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^4, 6, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^7, 6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{10}, 6, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{3^4, 4^6, 6, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2, 3, 4^8, 6, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6^2, 12^4\})$	14266368

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^5, 6^2, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^8, 6^2, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^2, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3^5, 4^4, 6^2, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^2, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^{11}, 6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^3, 6^3, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^6, 6^3, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^8, 4^2, 6^3, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^3, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^6, 4^2, 6^3, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 4^4, 6^3, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^3, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^2, 4^6, 6^3, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2^8, 3, 6^4, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^4, 6^4, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^7, 6^4, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^4, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^4, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^2, 6^5, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^5, 6^5, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^5, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^6, 6^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^3, 6^6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^3, 4^2, 6^6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{4^4, 6^6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3, 6^7, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3, 4^2, 6^7, 12^4\})$	906412032
12	$\mathcal{O}(2; \{3^2, 6^8, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2, 6^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 12^5\})$	445906944
12	$\mathcal{O}(2; \{3^5, 4^5, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^{11}, 4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6, 12^5\})$	112803840

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^8, 4^3, 6, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6, 12^5\})$	451215360
12	$\mathcal{O}(2; \{3^6, 4^3, 6, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 4^5, 6, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 4^7, 6, 12^5\})$	934281216
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^2, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^2, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^7, 4, 6^2, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^2, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^2, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^2, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^3, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^3, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^6, 4, 6^4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^3, 4^3, 6^4, 12^5\})$	451215360
12	$\mathcal{O}(2; \{4^5, 6^4, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^5, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3, 4^3, 6^5, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{3^2, 4, 6^6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2, 4, 6^7, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^{11}, 3, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^7, 4^2, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{2^8, 3^2, 6, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^5, 6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^8, 6, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^9, 6^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^3, 6^2, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^6, 6^2, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 4^2, 6^2, 12^6\})$	228261888

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 4^4, 6^2, 12^6\})$	913047552
12	$\mathcal{O}(2; \{4^6, 6^2, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^6, 3, 6^3, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^4, 6^3, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^3, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3, 4^4, 6^3, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3^2, 6^4, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^2, 4^2, 6^4, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 6^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{3^3, 6^5, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2, 4^2, 6^5, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2, 3, 6^6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 4, 12^7\})$	111476736
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2, 3^6, 4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 4^3, 12^7\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 4^5, 12^7\})$	1783627776
12	$\mathcal{O}(2; \{4^7, 12^7\})$	7134511104
12	$\mathcal{O}(2; \{2^6, 3, 4, 6, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{3, 4^5, 6, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^2, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^2, 4^3, 6^2, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^4, 4, 6^3, 12^7\})$	907739136
12	$\mathcal{O}(2; \{3^3, 4, 6^3, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2, 4^3, 6^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2, 3, 4, 6^4, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 3^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{3^2, 4^4, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^7, 6, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^3, 6, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 4^2, 6, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{3^3, 4^2, 6, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2, 4^4, 6, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{2^4, 3, 6^2, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{3^4, 6^2, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^2, 6^3, 12^8\})$	7245987840

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 6^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3, 4, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{3^4, 4, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2, 3, 4^3, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{2, 3^2, 4, 6, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 4, 6^2, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{2^5, 12^{10}\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 4^2, 12^{10}\})$	14523826176
12	$\mathcal{O}(2; \{2^2, 3, 6, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{6^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{4, 6, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{3, 12^{12}\})$	115935805440
12	$\mathcal{O}(1; \{2^{22}, 3^4\})$	648
12	$\mathcal{O}(1; \{2^{18}, 3^7\})$	4536
12	$\mathcal{O}(1; \{2^{14}, 3^{10}\})$	36936
12	$\mathcal{O}(1; \{2^{10}, 3^{13}\})$	294840
12	$\mathcal{O}(1; \{2^6, 3^{16}\})$	2359368
12	$\mathcal{O}(1; \{2^2, 3^{19}\})$	18874296
12	$\mathcal{O}(1; \{2^{19}, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{13}, 4^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{16}, 4^2\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^4\})$	3144960
12	$\mathcal{O}(1; \{3^{16}, 4^4\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^7, 4^6\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^6\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{13}, 4^6\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^7, 4^8\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^8\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^4, 4^{10}\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^7, 4^{10}\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{12}\})$	1769472
12	$\mathcal{O}(1; \{3^7, 4^{12}\})$	12386304
12	$\mathcal{O}(1; \{2, 3^4, 4^{14}\})$	7077888
12	$\mathcal{O}(1; \{2^{23}, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^{19}, 3^5, 6\})$	2376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2^{11}, 3^{11}, 6\})$	147528
12	$\mathcal{O}(1; \{2^7, 3^{14}, 6\})$	1179576
12	$\mathcal{O}(1; \{2^3, 3^{17}, 6\})$	9437256
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4^2, 6\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4^2, 6\})$	3145536
12	$\mathcal{O}(1; \{3^{17}, 4^2, 6\})$	25166016
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^8, 4^4, 6\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^4, 6\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{14}, 4^4, 6\})$	12582144
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^8, 4^6, 6\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^6, 6\})$	6294528
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^5, 4^8, 6\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^8, 4^8, 6\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^2, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^4, 3^5, 4^{10}, 6\})$	1622016
12	$\mathcal{O}(1; \{3^8, 4^{10}, 6\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2, 3^5, 4^{12}, 6\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{2^{24}, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{20}, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^{16}, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{2^{12}, 3^9, 6^2\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^{12}, 6^2\})$	589896
12	$\mathcal{O}(1; \{2^4, 3^{15}, 6^2\})$	4718520
12	$\mathcal{O}(1; \{3^{18}, 6^2\})$	37748808
12	$\mathcal{O}(1; \{2^{21}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^9, 4^2, 6^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^2, 6^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{15}, 4^2, 6^2\})$	12582720
12	$\mathcal{O}(1; \{2^{18}, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^4, 6^2\})$	11520

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^9, 4^4, 6^2\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^4, 6^2\})$	6292224
12	$\mathcal{O}(1; \{2^{15}, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^6, 4^6, 6^2\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^9, 4^6, 6^2\})$	3142656
12	$\mathcal{O}(1; \{2^{12}, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^3, 4^8, 6^2\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^6, 4^8, 6^2\})$	1585152
12	$\mathcal{O}(1; \{3^9, 4^8, 6^2\})$	12570624
12	$\mathcal{O}(1; \{2^9, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{10}, 6^2\})$	737280
12	$\mathcal{O}(1; \{2, 3^6, 4^{10}, 6^2\})$	6340608
12	$\mathcal{O}(1; \{2^6, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{12}, 6^2\})$	2949120
12	$\mathcal{O}(1; \{2^3, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{4^{16}, 6^2\})$	9437184
12	$\mathcal{O}(1; \{2^{21}, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{2^{17}, 3^4, 6^3\})$	4536
12	$\mathcal{O}(1; \{2^{13}, 3^7, 6^3\})$	36936
12	$\mathcal{O}(1; \{2^9, 3^{10}, 6^3\})$	294840
12	$\mathcal{O}(1; \{2^5, 3^{13}, 6^3\})$	2359368
12	$\mathcal{O}(1; \{2, 3^{16}, 6^3\})$	18874296
12	$\mathcal{O}(1; \{2^{18}, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^2, 6^3\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^2, 6^3\})$	6291648
12	$\mathcal{O}(1; \{2^{15}, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^7, 4^4, 6^3\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^4, 6^3\})$	3144960
12	$\mathcal{O}(1; \{2^{12}, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{2^8, 3^4, 4^6, 6^3\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^7, 4^6, 6^3\})$	1575936
12	$\mathcal{O}(1; \{3^{10}, 4^6, 6^3\})$	12579840
12	$\mathcal{O}(1; \{2^9, 3, 4^8, 6^3\})$	110592
12	$\mathcal{O}(1; \{2^5, 3^4, 4^8, 6^3\})$	774144
12	$\mathcal{O}(1; \{2, 3^7, 4^8, 6^3\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3, 4^{10}, 6^3\})$	442368
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{10}, 6^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3, 4^{12}, 6^3\})$	1769472

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3, 4^{14}, 6^3\})$	7077888
12	$\mathcal{O}(1; \{2^{18}, 3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{2^{14}, 3^5, 6^4\})$	18360
12	$\mathcal{O}(1; \{2^{10}, 3^8, 6^4\})$	147528
12	$\mathcal{O}(1; \{2^6, 3^{11}, 6^4\})$	1179576
12	$\mathcal{O}(1; \{2^2, 3^{14}, 6^4\})$	9437256
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 6^4\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 6^4\})$	3145536
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 6^4\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 6^4\})$	1573632
12	$\mathcal{O}(1; \{3^{11}, 4^4, 6^4\})$	12582144
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 6^4\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 6^4\})$	783360
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 6^4\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 6^4\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 6^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 6^4\})$	1622016
12	$\mathcal{O}(1; \{3^2, 4^{12}, 6^4\})$	6488064
12	$\mathcal{O}(1; \{2^{19}, 6^5\})$	1080
12	$\mathcal{O}(1; \{2^{15}, 3^3, 6^5\})$	9288
12	$\mathcal{O}(1; \{2^{11}, 3^6, 6^5\})$	73656
12	$\mathcal{O}(1; \{2^7, 3^9, 6^5\})$	589896
12	$\mathcal{O}(1; \{2^3, 3^{12}, 6^5\})$	4718520
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6^5\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6^5\})$	1573056
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6^5\})$	12582720
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6^5\})$	11520
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6^5\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6^5\})$	785664
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6^5\})$	6292224
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6^5\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6^5\})$	3142656
12	$\mathcal{O}(1; \{2^7, 4^8, 6^5\})$	184320
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6^5\})$	1585152
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6^5\})$	737280
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6^5\})$	6340608
12	$\mathcal{O}(1; \{2, 4^{12}, 6^5\})$	2949120

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{16}, 3, 6^6\})$	4536
12	$\mathcal{O}(1; \{2^{12}, 3^4, 6^6\})$	36936
12	$\mathcal{O}(1; \{2^8, 3^7, 6^6\})$	294840
12	$\mathcal{O}(1; \{2^4, 3^{10}, 6^6\})$	2359368
12	$\mathcal{O}(1; \{3^{13}, 6^6\})$	18874296
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^6\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^6\})$	786240
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^6\})$	6291648
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^6\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^6\})$	3144960
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^6\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^6\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^6\})$	774144
12	$\mathcal{O}(1; \{3^4, 4^8, 6^6\})$	6303744
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^6\})$	3096576
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6^7\})$	18360
12	$\mathcal{O}(1; \{2^9, 3^5, 6^7\})$	147528
12	$\mathcal{O}(1; \{2^5, 3^8, 6^7\})$	1179576
12	$\mathcal{O}(1; \{2, 3^{11}, 6^7\})$	9437256
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^7\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^7\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^7\})$	3145536
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^7\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^7\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^7\})$	783360
12	$\mathcal{O}(1; \{3^5, 4^6, 6^7\})$	6294528
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^7\})$	3133440
12	$\mathcal{O}(1; \{2^{14}, 6^8\})$	9288
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^8\})$	73656
12	$\mathcal{O}(1; \{2^6, 3^6, 6^8\})$	589896
12	$\mathcal{O}(1; \{2^2, 3^9, 6^8\})$	4718520
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^8\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^8\})$	1573056
12	$\mathcal{O}(1; \{2^8, 4^4, 6^8\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^8\})$	785664
12	$\mathcal{O}(1; \{3^6, 4^4, 6^8\})$	6292224
12	$\mathcal{O}(1; \{2^5, 4^6, 6^8\})$	396288
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^8\})$	3142656
12	$\mathcal{O}(1; \{2^2, 4^8, 6^8\})$	1585152
12	$\mathcal{O}(1; \{2^{11}, 3, 6^9\})$	36936

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^4, 6^9\})$	294840
12	$\mathcal{O}(1; \{2^3, 3^7, 6^9\})$	2359368
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^9\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^9\})$	786240
12	$\mathcal{O}(1; \{3^7, 4^2, 6^9\})$	6291648
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^9\})$	393984
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^9\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^9\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^2, 6^{10}\})$	147528
12	$\mathcal{O}(1; \{2^4, 3^5, 6^{10}\})$	1179576
12	$\mathcal{O}(1; \{3^8, 6^{10}\})$	9437256
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^{10}\})$	393408
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^{10}\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^{10}\})$	1573632
12	$\mathcal{O}(1; \{2^9, 6^{11}\})$	73656
12	$\mathcal{O}(1; \{2^5, 3^3, 6^{11}\})$	589896
12	$\mathcal{O}(1; \{2, 3^6, 6^{11}\})$	4718520
12	$\mathcal{O}(1; \{2^6, 4^2, 6^{11}\})$	196416
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^{11}\})$	1573056
12	$\mathcal{O}(1; \{2^3, 4^4, 6^{11}\})$	785664
12	$\mathcal{O}(1; \{4^6, 6^{11}\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3, 6^{12}\})$	294840
12	$\mathcal{O}(1; \{2^2, 3^4, 6^{12}\})$	2359368
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^{12}\})$	786240
12	$\mathcal{O}(1; \{3, 4^4, 6^{12}\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^2, 6^{13}\})$	1179576
12	$\mathcal{O}(1; \{3^2, 4^2, 6^{13}\})$	3145536
12	$\mathcal{O}(1; \{2^4, 6^{14}\})$	589896
12	$\mathcal{O}(1; \{3^3, 6^{14}\})$	4718520
12	$\mathcal{O}(1; \{2, 4^2, 6^{14}\})$	1573056
12	$\mathcal{O}(1; \{2, 3, 6^{15}\})$	2359368
12	$\mathcal{O}(1; \{2^{20}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{12}, 4, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{15}, 4, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{18}, 4, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^9, 4^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^3, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{15}, 4^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^5, 12\})$	27648

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^9, 4^5, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^5, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^6, 4^7, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^9, 4^7, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^3, 4^9, 12\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^6, 4^9, 12\})$	3096576
12	$\mathcal{O}(1; \{3^9, 4^9, 12\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{11}, 12\})$	1769472
12	$\mathcal{O}(1; \{2, 3^6, 4^{11}, 12\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{13}, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{21}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4, 6, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4, 6, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4, 6, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{16}, 4, 6, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^3, 6, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^3, 6, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^7, 4^5, 6, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^5, 6, 12\})$	6294528
12	$\mathcal{O}(1; \{2^{12}, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^4, 4^7, 6, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^7, 4^7, 6, 12\})$	3133440
12	$\mathcal{O}(1; \{3^{10}, 4^7, 6, 12\})$	25178112
12	$\mathcal{O}(1; \{2^9, 3, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^4, 4^9, 6, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^7, 4^9, 6, 12\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{11}, 6, 12\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{3, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4, 6^2, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4, 6^2, 12\})$	12582720

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^8, 4^3, 6^2, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^3, 6^2, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^5, 4^5, 6^2, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^8, 4^5, 6^2, 12\})$	3142656
12	$\mathcal{O}(1; \{3^{11}, 4^5, 6^2, 12\})$	25168896
12	$\mathcal{O}(1; \{2^9, 3^2, 4^7, 6^2, 12\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^5, 4^7, 6^2, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^8, 4^7, 6^2, 12\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^2, 4^9, 6^2, 12\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^5, 4^9, 6^2, 12\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{11}, 6^2, 12\})$	2949120
12	$\mathcal{O}(1; \{3^2, 4^{13}, 6^2, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{19}, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^9, 4, 6^3, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4, 6^3, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^6, 4^3, 6^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^9, 4^3, 6^3, 12\})$	3144960
12	$\mathcal{O}(1; \{3^{12}, 4^3, 6^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^3, 4^5, 6^3, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^6, 4^5, 6^3, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^9, 4^5, 6^3, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^3, 4^7, 6^3, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^6, 4^7, 6^3, 12\})$	6303744
12	$\mathcal{O}(1; \{2^7, 4^9, 6^3, 12\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^3, 4^9, 6^3, 12\})$	3096576
12	$\mathcal{O}(1; \{2^4, 4^{11}, 6^3, 12\})$	1769472
12	$\mathcal{O}(1; \{3^3, 4^{11}, 6^3, 12\})$	12386304
12	$\mathcal{O}(1; \{2, 4^{13}, 6^3, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 6^4, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 6^4, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{13}, 4, 6^4, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 6^4, 12\})$	25344

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 6^4, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 6^4, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 6^4, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 6^4, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 6^4, 12\})$	6294528
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 6^4, 12\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 6^4, 12\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 6^4, 12\})$	1622016
12	$\mathcal{O}(1; \{3^4, 4^9, 6^4, 12\})$	12533760
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 6^4, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6^5, 12\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6^5, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6^5, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6^5, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6^5, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6^5, 12\})$	6292224
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6^5, 12\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6^5, 12\})$	1585152
12	$\mathcal{O}(1; \{3^5, 4^7, 6^5, 12\})$	12570624
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6^5, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{14}, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^6, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^6, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^6, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^6, 12\})$	3144960
12	$\mathcal{O}(1; \{2^8, 4^5, 6^6, 12\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^6, 12\})$	1575936
12	$\mathcal{O}(1; \{3^6, 4^5, 6^6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^5, 4^7, 6^6, 12\})$	774144
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^6, 12\})$	6303744
12	$\mathcal{O}(1; \{2^2, 4^9, 6^6, 12\})$	3096576
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^7, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^7, 12\})$	3145536
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^7, 12\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^7, 12\})$	1573632
12	$\mathcal{O}(1; \{3^7, 4^3, 6^7, 12\})$	12582144
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^7, 12\})$	783360

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^7, 12\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^7, 12\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^8, 12\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^8, 12\})$	1573056
12	$\mathcal{O}(1; \{3^8, 4, 6^8, 12\})$	12582720
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^8, 12\})$	785664
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^8, 12\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^8, 12\})$	3142656
12	$\mathcal{O}(1; \{2^9, 4, 6^9, 12\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^9, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^9, 12\})$	6291648
12	$\mathcal{O}(1; \{2^6, 4^3, 6^9, 12\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^9, 12\})$	3144960
12	$\mathcal{O}(1; \{2^3, 4^5, 6^9, 12\})$	1575936
12	$\mathcal{O}(1; \{4^7, 6^9, 12\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^{10}, 12\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^{10}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^{10}, 12\})$	1573632
12	$\mathcal{O}(1; \{3, 4^5, 6^{10}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^{11}, 12\})$	1573056
12	$\mathcal{O}(1; \{3^2, 4^3, 6^{11}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^4, 4, 6^{12}, 12\})$	786240
12	$\mathcal{O}(1; \{3^3, 4, 6^{12}, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 4^3, 6^{12}, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3, 4, 6^{13}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^{21}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{17}, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^8, 4^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^5, 4^6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^8, 4^6, 12^2\})$	6303744

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^{11}, 4^6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3^2, 4^8, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^5, 4^8, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^8, 4^8, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{10}, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{10}, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{12}, 12^2\})$	7077888
12	$\mathcal{O}(1; \{3^2, 4^{14}, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{22}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{12}, 6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{15}, 6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^2, 6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^9, 4^2, 6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^2, 6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^6, 4^4, 6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^9, 4^4, 6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^{12}, 4^4, 6, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^3, 4^6, 6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^6, 4^6, 6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^9, 4^6, 6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^3, 4^8, 6, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^6, 4^8, 6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^7, 4^{10}, 6, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{10}, 6, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2^4, 4^{12}, 6, 12^2\})$	2359296
12	$\mathcal{O}(1; \{3^3, 4^{12}, 6, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2, 4^{14}, 6, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{10}, 6^2, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{13}, 6^2, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 6^2, 12^2\})$	99072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 6^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 6^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{13}, 4^2, 6^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 6^2, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 6^2, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 6^2, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 6^2, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 6^2, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 6^2, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 6^2, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 6^2, 12^2\})$	2949120
12	$\mathcal{O}(1; \{3^4, 4^{10}, 6^2, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 6^2, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{16}, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^8, 6^3, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{11}, 6^3, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{14}, 6^3, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6^3, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6^3, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6^3, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6^3, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6^3, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6^3, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6^3, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6^3, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6^3, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3^5, 4^8, 6^3, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6^3, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{17}, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^6, 6^4, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^9, 6^4, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{12}, 6^4, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^4, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^4, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^4, 12^2\})$	783360

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^8, 4^6, 6^4, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^4, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^6, 4^6, 6^4, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^5, 4^8, 6^4, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^4, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^4, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2^{14}, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^5, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^7, 6^5, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^5, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^5, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^5, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^5, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^5, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^7, 4^4, 6^5, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^5, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^5, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^5, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^5, 6^6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^8, 6^6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^8, 4^2, 6^6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^{12}, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^3, 6^7, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^6, 6^7, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^9, 6^7, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^9, 4^2, 6^7, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^7, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^7, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^6, 4^4, 6^7, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^7, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^3, 4^6, 6^7, 12^2\})$	3133440
12	$\mathcal{O}(1; \{4^8, 6^7, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^9, 3, 6^8, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^4, 6^8, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^7, 6^8, 12^2\})$	12582720

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^8, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^8, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^8, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3, 4^6, 6^8, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^2, 6^9, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^5, 6^9, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^9, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^2, 4^4, 6^9, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^7, 6^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^3, 6^{10}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 4^2, 6^{10}, 12^2\})$	1573632
12	$\mathcal{O}(1; \{3^3, 4^2, 6^{10}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 4^4, 6^{10}, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3, 6^{11}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{3^4, 6^{11}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^{11}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^2, 6^{12}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 6^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^{19}, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^7, 4^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^{13}, 4^3, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^4, 4^5, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^7, 4^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^{10}, 4^5, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^4, 4^7, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^7, 4^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3, 4^9, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^4, 4^9, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3, 4^{11}, 12^3\})$	7077888
12	$\mathcal{O}(1; \{3^4, 4^{11}, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2, 3, 4^{13}, 12^3\})$	28311552
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^8, 4, 6, 12^3\})$	1573632

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4, 6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^{14}, 4, 6, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^5, 4^3, 6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^8, 4^3, 6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{11}, 4^3, 6, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^5, 4^5, 6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^8, 4^5, 6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^7, 3^2, 4^7, 6, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^5, 4^7, 6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^2, 4^9, 6, 12^3\})$	6488064
12	$\mathcal{O}(1; \{3^5, 4^9, 6, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2, 3^2, 4^{11}, 6, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{17}, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 6^2, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 6^2, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 6^2, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 6^2, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 6^2, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 6^2, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 6^2, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^8, 4^7, 6^2, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 6^2, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^6, 4^7, 6^2, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^5, 4^9, 6^2, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 6^2, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^2, 4^{11}, 6^2, 12^3\})$	11796480
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6^3, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6^3, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6^3, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6^3, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^7, 4^5, 6^3, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6^3, 12^3\})$	3096576

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6^3, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6^3, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^4, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^4, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^4, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^8, 4^3, 6^4, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^4, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^4, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^4, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^{12}, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^5, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^5, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^9, 4, 6^5, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^9, 4^3, 6^5, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^5, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^5, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^6, 4^5, 6^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^3, 4^7, 6^5, 12^3\})$	6340608
12	$\mathcal{O}(1; \{4^9, 6^5, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3, 4^7, 6^6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^7, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^7, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^7, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^2, 4^5, 6^7, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^7, 4, 6^8, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^8, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^4, 4^3, 6^8, 12^3\})$	3142656
12	$\mathcal{O}(1; \{3^3, 4^3, 6^8, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 4^5, 6^8, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^9, 12^3\})$	3144960
12	$\mathcal{O}(1; \{3^4, 4, 6^9, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^9, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^{10}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 4, 6^{11}, 12^3\})$	6292224

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{20}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^{16}, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{15}, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{17}, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^{11}, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^8, 4^8, 12^4\})$	1769472
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3^6, 4^8, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^5, 4^{10}, 12^4\})$	7077888
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^2, 4^{12}, 12^4\})$	28311552
12	$\mathcal{O}(1; \{2^{17}, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^7, 6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{10}, 6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{13}, 6, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^7, 4^6, 6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6, 12^4\})$	25952256
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6^2, 12^4\})$	99072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^8, 6^2, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6^2, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^2, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^2, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^8, 4^4, 6^2, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^2, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^2, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^2, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^{15}, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^6, 6^3, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^9, 6^3, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^3, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^3, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^9, 4^2, 6^3, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^9, 4^4, 6^3, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^3, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^3, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^6, 4^6, 6^3, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^3, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^3, 4^8, 6^3, 12^4\})$	12386304
12	$\mathcal{O}(1; \{4^{10}, 6^3, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{12}, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^4, 6^4, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^7, 6^4, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^{10}, 6^4, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^4, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^4, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^4, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^4, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3, 4^8, 6^4, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^9, 3^2, 6^5, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^5, 6^5, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^8, 6^5, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^5, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^5, 12^4\})$	25168896

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^5, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^2, 4^6, 6^5, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^{10}, 6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^3, 6^6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^6, 6^6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^7, 4^2, 6^6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^4, 4^4, 6^6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{3^3, 4^4, 6^6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2, 4^6, 6^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3, 6^7, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^4, 6^7, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^7, 12^4\})$	6294528
12	$\mathcal{O}(1; \{3^4, 4^2, 6^7, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^7, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^2, 6^8, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3^5, 6^8, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^8, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^5, 6^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2, 3^3, 6^9, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^2, 4^2, 6^9, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3, 6^{10}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{6^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^8, 4^5, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 12^5\})$	49545216
12	$\mathcal{O}(1; \{2^{15}, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6, 12^5\})$	25178112

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^9, 4^3, 6, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^9, 4^5, 6, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^6, 4^7, 6, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^3, 4^9, 6, 12^5\})$	25952256
12	$\mathcal{O}(1; \{4^{11}, 6, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^2, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^2, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^{10}, 4, 6^2, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^2, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^2, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^2, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^2, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^2, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^2, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3, 4^9, 6^2, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^3, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^3, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^3, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^3, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^2, 4^7, 6^3, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^{10}, 4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^7, 4^3, 6^4, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^4, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^4, 4^5, 6^4, 12^5\})$	12533760
12	$\mathcal{O}(1; \{3^3, 4^5, 6^4, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2, 4^7, 6^4, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^5, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^5, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^5, 12^5\})$	12570624
12	$\mathcal{O}(1; \{3^4, 4^3, 6^5, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3^5, 4, 6^6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^5, 4, 6^7, 12^5\})$	6294528

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^7, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^2, 4^3, 6^7, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^8, 12^5\})$	25168896
12	$\mathcal{O}(1; \{4, 6^{10}, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{15}, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^{10}, 4^2, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 12^6\})$	49545216
12	$\mathcal{O}(1; \{3, 4^{10}, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^5, 6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^8, 6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^{11}, 6, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3^2, 4^8, 6, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{13}, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^3, 6^2, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^6, 6^2, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^9, 6^2, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^7, 4^4, 6^2, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^2, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^4, 4^6, 6^2, 12^6\})$	25362432
12	$\mathcal{O}(1; \{3^3, 4^6, 6^2, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2, 4^8, 6^2, 12^6\})$	101449728
12	$\mathcal{O}(1; \{2^{10}, 3, 6^3, 12^6\})$	1575936

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^4, 6^3, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^7, 6^3, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^3, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^3, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^3, 12^6\})$	25214976
12	$\mathcal{O}(1; \{3^4, 4^4, 6^3, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^3, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^7, 3^2, 6^4, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^5, 6^4, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^4, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3^5, 4^2, 6^4, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^8, 6^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^3, 6^5, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^6, 6^5, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^5, 4^2, 6^5, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^5, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^2, 4^4, 6^5, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3, 6^6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2, 3^4, 6^6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^2, 6^7, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^3, 6^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{4^2, 6^8, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3, 6^9, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^9, 4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^7, 4^5, 12^7\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2^4, 4^7, 12^7\})$	49545216
12	$\mathcal{O}(1; \{3^3, 4^7, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2, 4^9, 12^7\})$	198180864
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6, 12^7\})$	50135040

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 4^5, 6, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2, 3, 4^7, 6, 12^7\})$	200540160
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^2, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^2, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^2, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3^5, 4^3, 6^2, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^2, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^8, 4, 6^3, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^3, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^6, 4, 6^3, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^5, 4^3, 6^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^2, 4^5, 6^3, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^4, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^5, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^3, 4, 6^6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{4^3, 6^6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{3, 4, 6^7, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^8, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 12^8\})$	100859904
12	$\mathcal{O}(1; \{3^5, 4^4, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^{11}, 6, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^3, 6, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^6, 6, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^8, 4^2, 6, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^6, 4^2, 6, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^5, 4^4, 6, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^2, 4^6, 6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{2^8, 3, 6^2, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^4, 6^2, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^7, 6^2, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^2, 12^8\})$	201129984

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^2, 6^3, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2, 3^5, 6^3, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^3, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^6, 6^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^3, 6^4, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^3, 4^2, 6^4, 12^8\})$	100712448
12	$\mathcal{O}(1; \{4^4, 6^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3, 6^5, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3, 4^2, 6^5, 12^8\})$	402702336
12	$\mathcal{O}(1; \{3^2, 6^6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2, 6^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3, 4, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^7, 4, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 12^9\})$	403439616
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2, 3^5, 4, 6, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2^6, 4, 6^2, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^2, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^3, 4^3, 6^2, 12^9\})$	201129984
12	$\mathcal{O}(1; \{4^5, 6^2, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^3, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3, 4^3, 6^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{3^2, 4, 6^4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2, 4, 6^5, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^9, 12^{10}\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2, 3^6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 4^2, 12^{10}\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^3, 4^4, 12^{10}\})$	403439616
12	$\mathcal{O}(1; \{4^6, 12^{10}\})$	1613758464
12	$\mathcal{O}(1; \{2^6, 3, 6, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^4, 6, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{3, 4^4, 6, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3^2, 4^2, 6^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 6^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{3^3, 6^3, 12^{10}\})$	1610661888

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 4^2, 6^3, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2, 3, 6^4, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{3^2, 4^3, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2^4, 4, 6, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{3^3, 4, 6, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2, 4^3, 6, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 3, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{3^4, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2, 3, 4^2, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{2, 3^2, 6, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 6^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 4, 12^{13}\})$	3220439040
12	$\mathcal{O}(1; \{6, 12^{14}\})$	12884115456
12	$\mathcal{O}(0; \{2^{23}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{16}, 4^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{19}, 4^2\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^4\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^4\})$	174768
12	$\mathcal{O}(0; \{3^{19}, 4^4\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^6\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^6\})$	87360
12	$\mathcal{O}(0; \{2, 3^{16}, 4^6\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^8\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^8\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^7, 4^{10}\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^{10}\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{12}\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{12}\})$	86016
12	$\mathcal{O}(0; \{3^{10}, 4^{12}\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{14}\})$	49152

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^7, 4^{14}\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{16}\})$	196608
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4^2, 6\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4^2, 6\})$	174764
12	$\mathcal{O}(0; \{3^{20}, 4^2, 6\})$	1398100
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^4, 6\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^4, 6\})$	87376
12	$\mathcal{O}(0; \{2, 3^{17}, 4^4, 6\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^6, 6\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^6, 6\})$	349504
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^8, 4^8, 6\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^8, 6\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^8, 3^5, 4^{10}, 6\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^8, 4^{10}, 6\})$	87040
12	$\mathcal{O}(0; \{3^{11}, 4^{10}, 6\})$	699392
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{12}, 6\})$	45056
12	$\mathcal{O}(0; \{2, 3^8, 4^{12}, 6\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{14}, 6\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{3^2, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{2^{25}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^2, 6^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^2, 6^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^{18}, 4^2, 6^2\})$	699052
12	$\mathcal{O}(0; \{2^{22}, 4^4, 6^2\})$	16

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^4, 6^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^4, 6^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^4, 6^2\})$	349520
12	$\mathcal{O}(0; \{2^{19}, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^9, 4^6, 6^2\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^6, 6^2\})$	174784
12	$\mathcal{O}(0; \{2^{16}, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^8, 6^2\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^6, 4^8, 6^2\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^9, 4^8, 6^2\})$	87296
12	$\mathcal{O}(0; \{3^{12}, 4^8, 6^2\})$	699136
12	$\mathcal{O}(0; \{2^{13}, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{10}, 6^2\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{10}, 6^2\})$	44032
12	$\mathcal{O}(0; \{2, 3^9, 4^{10}, 6^2\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{12}, 6^2\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{12}, 6^2\})$	176128
12	$\mathcal{O}(0; \{2^7, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{14}, 6^2\})$	81920
12	$\mathcal{O}(0; \{2^4, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{3^3, 4^{16}, 6^2\})$	327680
12	$\mathcal{O}(0; \{2, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^2, 6^3\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^2, 6^3\})$	349524
12	$\mathcal{O}(0; \{2^{19}, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^4, 6^3\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^4, 6^3\})$	174768
12	$\mathcal{O}(0; \{2^{16}, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^7, 4^6, 6^3\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^6, 6^3\})$	87360
12	$\mathcal{O}(0; \{3^{13}, 4^6, 6^3\})$	699072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{2^9, 3^4, 4^8, 6^3\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^7, 4^8, 6^3\})$	43776
12	$\mathcal{O}(0; \{2, 3^{10}, 4^8, 6^3\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{10}, 6^3\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{10}, 6^3\})$	175104
12	$\mathcal{O}(0; \{2^7, 3, 4^{12}, 6^3\})$	12288
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{12}, 6^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3, 4^{14}, 6^3\})$	49152
12	$\mathcal{O}(0; \{3^4, 4^{14}, 6^3\})$	344064
12	$\mathcal{O}(0; \{2, 3, 4^{16}, 6^3\})$	196608
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 6^4\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 6^4\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 6^4\})$	174764
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 6^4\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 6^4\})$	87376
12	$\mathcal{O}(0; \{3^{14}, 4^4, 6^4\})$	699056
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 6^4\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 6^4\})$	43712
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 6^4\})$	349504
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 6^4\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 6^4\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 6^4\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 6^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 6^4\})$	45056
12	$\mathcal{O}(0; \{3^5, 4^{12}, 6^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 6^4\})$	180224
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6^5\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6^5\})$	87380
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6^5\})$	699052
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6^5\})$	5456

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6^5\})$	43696
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6^5\})$	349520
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6^5\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6^5\})$	174784
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6^5\})$	1280
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6^5\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6^5\})$	87296
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6^5\})$	5120
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6^5\})$	44032
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6^5\})$	349184
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6^5\})$	20480
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6^5\})$	176128
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6^5\})$	81920
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^6\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^6\})$	43692
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^6\})$	349524
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^6\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^6\})$	174768
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^6\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^6\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^6\})$	43776
12	$\mathcal{O}(0; \{3^7, 4^8, 6^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^6\})$	21504
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^6\})$	175104
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^6\})$	86016
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^7\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^7\})$	174764
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^7\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^7\})$	87376
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^7\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^7\})$	43712
12	$\mathcal{O}(0; \{3^8, 4^6, 6^7\})$	349504

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^7\})$	21760
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^7\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^7\})$	87040
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^8\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^8\})$	87380
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^8\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^8\})$	43696
12	$\mathcal{O}(0; \{3^9, 4^4, 6^8\})$	349520
12	$\mathcal{O}(0; \{2^9, 4^6, 6^8\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^8\})$	21824
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^8\})$	174784
12	$\mathcal{O}(0; \{2^6, 4^8, 6^8\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^8\})$	87296
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^8\})$	44032
12	$\mathcal{O}(0; \{4^{12}, 6^8\})$	176128
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^9\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^9\})$	43692
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^9\})$	349524
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^9\})$	2736
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^9\})$	21840
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^9\})$	174768
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^9\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^9\})$	87360
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^9\})$	43776
12	$\mathcal{O}(0; \{3, 4^{10}, 6^9\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^{10}\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^{10}\})$	21844
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^{10}\})$	174764
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^{10}\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^{10}\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^{10}\})$	43712
12	$\mathcal{O}(0; \{3^2, 4^8, 6^{10}\})$	174848
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^{11}\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^{11}\})$	87380
12	$\mathcal{O}(0; \{2^7, 4^4, 6^{11}\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^{11}\})$	43696
12	$\mathcal{O}(0; \{2^4, 4^6, 6^{11}\})$	21824
12	$\mathcal{O}(0; \{3^3, 4^6, 6^{11}\})$	174784

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^8, 6^{11}\})$	87296
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^{12}\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^{12}\})$	43692
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^{12}\})$	21840
12	$\mathcal{O}(0; \{3^4, 4^4, 6^{12}\})$	174768
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^{12}\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^{13}\})$	21844
12	$\mathcal{O}(0; \{3^5, 4^2, 6^{13}\})$	174764
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^{13}\})$	87376
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{14}\})$	10924
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{14}\})$	87380
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{14}\})$	43696
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{15}\})$	43692
12	$\mathcal{O}(0; \{4^2, 6^{17}\})$	87380
12	$\mathcal{O}(0; \{2^{24}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{15}, 4, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{18}, 4, 12\})$	349524
12	$\mathcal{O}(0; \{3^{21}, 4, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^3, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{18}, 4^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^5, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^5, 12\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^9, 4^7, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^7, 12\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^6, 4^9, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^9, 4^9, 12\})$	175104
12	$\mathcal{O}(0; \{3^{12}, 4^9, 12\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{11}, 12\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{11}, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^9, 4^{11}, 12\})$	700416

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{13}, 12\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{13}, 12\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{15}, 12\})$	196608
12	$\mathcal{O}(0; \{3^3, 4^{17}, 12\})$	786432
12	$\mathcal{O}(0; \{2^{25}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4, 6, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4, 6, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{19}, 4, 6, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^3, 6, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^3, 6, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^3, 6, 12\})$	699056
12	$\mathcal{O}(0; \{2^{19}, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^5, 6, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^5, 6, 12\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^7, 4^7, 6, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^7, 6, 12\})$	174848
12	$\mathcal{O}(0; \{3^{13}, 4^7, 6, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^4, 4^9, 6, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^7, 4^9, 6, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^{10}, 4^9, 6, 12\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{11}, 6, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{11}, 6, 12\})$	348160
12	$\mathcal{O}(0; \{2^7, 3, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{13}, 6, 12\})$	180224
12	$\mathcal{O}(0; \{2^4, 3, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{3^4, 4^{15}, 6, 12\})$	720896
12	$\mathcal{O}(0; \{2, 3, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4, 6^2, 12\})$	10924

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4, 6^2, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4, 6^2, 12\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^3, 6^2, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^3, 6^2, 12\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^5, 6^2, 12\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^8, 4^5, 6^2, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^5, 6^2, 12\})$	174784
12	$\mathcal{O}(0; \{3^{14}, 4^5, 6^2, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^5, 4^7, 6^2, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^8, 4^7, 6^2, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^{11}, 4^7, 6^2, 12\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^9, 6^2, 12\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^5, 4^9, 6^2, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^8, 4^9, 6^2, 12\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{11}, 6^2, 12\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{11}, 6^2, 12\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{13}, 6^2, 12\})$	81920
12	$\mathcal{O}(0; \{3^5, 4^{13}, 6^2, 12\})$	704512
12	$\mathcal{O}(0; \{2, 3^2, 4^{15}, 6^2, 12\})$	327680
12	$\mathcal{O}(0; \{2^{23}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4, 6^3, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4, 6^3, 12\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^9, 4^3, 6^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^3, 6^3, 12\})$	174768
12	$\mathcal{O}(0; \{3^{15}, 4^3, 6^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^6, 4^5, 6^3, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^9, 4^5, 6^3, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^{12}, 4^5, 6^3, 12\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^7, 6^3, 12\})$	5376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^6, 4^7, 6^3, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^9, 4^7, 6^3, 12\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 4^9, 6^3, 12\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^3, 4^9, 6^3, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^6, 4^9, 6^3, 12\})$	175104
12	$\mathcal{O}(0; \{2^8, 4^{11}, 6^3, 12\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{11}, 6^3, 12\})$	86016
12	$\mathcal{O}(0; \{3^6, 4^{11}, 6^3, 12\})$	700416
12	$\mathcal{O}(0; \{2^5, 4^{13}, 6^3, 12\})$	49152
12	$\mathcal{O}(0; \{2, 3^3, 4^{13}, 6^3, 12\})$	344064
12	$\mathcal{O}(0; \{2^2, 4^{15}, 6^3, 12\})$	196608
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 6^4, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 6^4, 12\})$	174764
12	$\mathcal{O}(0; \{3^{16}, 4, 6^4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 6^4, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 6^4, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 6^4, 12\})$	699056
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 6^4, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 6^4, 12\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 6^4, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 6^4, 12\})$	174848
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 6^4, 12\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 6^4, 12\})$	87040
12	$\mathcal{O}(0; \{3^7, 4^9, 6^4, 12\})$	699392
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 6^4, 12\})$	45056
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 6^4, 12\})$	348160
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 6^4, 12\})$	180224
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6^5, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6^5, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6^5, 12\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6^5, 12\})$	43696

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6^5, 12\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6^5, 12\})$	174784
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6^5, 12\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6^5, 12\})$	87296
12	$\mathcal{O}(0; \{3^8, 4^7, 6^5, 12\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6^5, 12\})$	44032
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6^5, 12\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6^5, 12\})$	176128
12	$\mathcal{O}(0; \{2^{18}, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^6, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^6, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^6, 12\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^6, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^6, 12\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^6, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^6, 12\})$	87360
12	$\mathcal{O}(0; \{3^9, 4^5, 6^6, 12\})$	699072
12	$\mathcal{O}(0; \{2^9, 4^7, 6^6, 12\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^6, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^6, 12\})$	349440
12	$\mathcal{O}(0; \{2^6, 4^9, 6^6, 12\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^6, 12\})$	175104
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^6, 12\})$	86016
12	$\mathcal{O}(0; \{4^{13}, 6^6, 12\})$	344064
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^7, 12\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^7, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^7, 12\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^7, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^7, 12\})$	87376
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^7, 12\})$	699056
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^7, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^7, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^7, 12\})$	349504
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^7, 12\})$	174848

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^7, 12\})$	87040
12	$\mathcal{O}(0; \{3, 4^{11}, 6^7, 12\})$	348160
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^8, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^8, 12\})$	87380
12	$\mathcal{O}(0; \{3^{11}, 4, 6^8, 12\})$	699052
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^8, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^8, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^8, 12\})$	349520
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^8, 12\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^8, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^8, 12\})$	87296
12	$\mathcal{O}(0; \{3^2, 4^9, 6^8, 12\})$	349184
12	$\mathcal{O}(0; \{2^{13}, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^9, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^9, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^9, 12\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^9, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^9, 12\})$	174768
12	$\mathcal{O}(0; \{2^7, 4^5, 6^9, 12\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^9, 12\})$	87360
12	$\mathcal{O}(0; \{2^4, 4^7, 6^9, 12\})$	43776
12	$\mathcal{O}(0; \{3^3, 4^7, 6^9, 12\})$	349440
12	$\mathcal{O}(0; \{2, 4^9, 6^9, 12\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^{10}, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^{10}, 12\})$	174764
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^{10}, 12\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^{10}, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^{10}, 12\})$	43712
12	$\mathcal{O}(0; \{3^4, 4^5, 6^{10}, 12\})$	349504
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^{10}, 12\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^{11}, 12\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^{11}, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^{11}, 12\})$	43696
12	$\mathcal{O}(0; \{3^5, 4^3, 6^{11}, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^{11}, 12\})$	174784
12	$\mathcal{O}(0; \{2^8, 4, 6^{12}, 12\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^{12}, 12\})$	43692
12	$\mathcal{O}(0; \{3^6, 4, 6^{12}, 12\})$	349524
12	$\mathcal{O}(0; \{2^5, 4^3, 6^{12}, 12\})$	21840
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^{12}, 12\})$	174768

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 4^5, 6^{12}, 12\})$	87360
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^{13}, 12\})$	21844
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^{13}, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^{13}, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{14}, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 4, 6^{15}, 12\})$	43692
12	$\mathcal{O}(0; \{4^3, 6^{15}, 12\})$	174768
12	$\mathcal{O}(0; \{3, 4, 6^{16}, 12\})$	174764
12	$\mathcal{O}(0; \{2^{25}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{17}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{20}, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^8, 4^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^{14}, 4^6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^5, 4^8, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^8, 4^8, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^{11}, 4^8, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{10}, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{10}, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{12}, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{12}, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{14}, 12^2\})$	196608
12	$\mathcal{O}(0; \{3^5, 4^{14}, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2, 3^2, 4^{16}, 12^2\})$	786432

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{26}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{15}, 6, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{18}, 6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^2, 6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^2, 6, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^9, 4^4, 6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^4, 6, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{15}, 4^4, 6, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^6, 4^6, 6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^9, 4^6, 6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^{12}, 4^6, 6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^6, 4^8, 6, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^9, 4^8, 6, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{10}, 6, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{10}, 6, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^8, 4^{12}, 6, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{12}, 6, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^6, 4^{12}, 6, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^5, 4^{14}, 6, 12^2\})$	65536
12	$\mathcal{O}(0; \{2, 3^3, 4^{14}, 6, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^2, 4^{16}, 6, 12^2\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{13}, 6^2, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{16}, 6^2, 12^2\})$	699052

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 6^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 6^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{16}, 4^2, 6^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 6^2, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 6^2, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 6^2, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 6^2, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 6^2, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 6^2, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 6^2, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 6^2, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 6^2, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^7, 4^{10}, 6^2, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 6^2, 12^2\})$	81920
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 6^2, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 6^2, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^{20}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{11}, 6^3, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{14}, 6^3, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{17}, 6^3, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6^3, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6^3, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6^3, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6^3, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6^3, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6^3, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6^3, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6^3, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6^3, 12^2\})$	21504

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6^3, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^8, 4^8, 6^3, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6^3, 12^2\})$	86016
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6^3, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6^3, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^{21}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^9, 6^4, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{12}, 6^4, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{15}, 6^4, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^4, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^4, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^4, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^4, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^9, 4^6, 6^4, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^9, 4^8, 6^4, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^4, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^4, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^4, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^4, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^4, 12^2\})$	180224
12	$\mathcal{O}(0; \{4^{14}, 6^4, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{18}, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6^5, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6^5, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^5, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^5, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^5, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^5, 12^2\})$	174784

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^5, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^5, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^5, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^5, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^5, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^5, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^5, 12^2\})$	176128
12	$\mathcal{O}(0; \{3, 4^{12}, 6^5, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^8, 6^6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^6, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^6, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^6, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^6, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{16}, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^6, 6^7, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^9, 6^7, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^{12}, 6^7, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^7, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^7, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^7, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^7, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^7, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^7, 4^6, 6^7, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^7, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^4, 4^8, 6^7, 12^2\})$	87040
12	$\mathcal{O}(0; \{3^3, 4^8, 6^7, 12^2\})$	699392
12	$\mathcal{O}(0; \{2, 4^{10}, 6^7, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{13}, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^4, 6^8, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^7, 6^8, 12^2\})$	87380

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{10}, 6^8, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^8, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^8, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^8, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^8, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^8, 12^2\})$	87296
12	$\mathcal{O}(0; \{3^4, 4^6, 6^8, 12^2\})$	699136
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^5, 6^9, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^8, 6^9, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^9, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^9, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^9, 12^2\})$	87360
12	$\mathcal{O}(0; \{3^5, 4^4, 6^9, 12^2\})$	699072
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^9, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^3, 6^{10}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^6, 6^{10}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^8, 4^2, 6^{10}, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^{10}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^6, 4^2, 6^{10}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^5, 4^4, 6^{10}, 12^2\})$	43712
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^{10}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 4^6, 6^{10}, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^8, 3, 6^{11}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^4, 6^{11}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^7, 6^{11}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^{11}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^{11}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^{11}, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^2, 6^{12}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2, 3^5, 6^{12}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{12}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^6, 6^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^3, 6^{13}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{13}, 12^2\})$	87376
12	$\mathcal{O}(0; \{4^4, 6^{13}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^3, 3, 6^{14}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3, 4^2, 6^{14}, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^2, 6^{15}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 6^{16}, 12^2\})$	174764

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{23}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{16}, 4^3, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^7, 4^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^{13}, 4^5, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^7, 4^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^4, 4^9, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^7, 4^9, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^8, 3, 4^{11}, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{11}, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^7, 4^{11}, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3, 4^{13}, 12^3\})$	196608
12	$\mathcal{O}(0; \{2, 3^4, 4^{13}, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3, 4^{15}, 12^3\})$	786432
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4, 6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4, 6, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{17}, 4, 6, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^8, 4^3, 6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^3, 6, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{14}, 4^3, 6, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^5, 6, 12^3\})$	21760

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^8, 4^5, 6, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^5, 6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^5, 4^7, 6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^8, 4^7, 6, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^2, 4^9, 6, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^5, 4^9, 6, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^8, 4^9, 6, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{11}, 6, 12^3\})$	180224
12	$\mathcal{O}(0; \{2, 3^5, 4^{11}, 6, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{13}, 6, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^{21}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 6^2, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 6^2, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 6^2, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 6^2, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 6^2, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 6^2, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 6^2, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 6^2, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 6^2, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^9, 4^7, 6^2, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^9, 4^9, 6^2, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 6^2, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 6^2, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^6, 4^{11}, 6^2, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 6^2, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^3, 4^{13}, 6^2, 12^3\})$	327680
12	$\mathcal{O}(0; \{4^{15}, 6^2, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6^3, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6^3, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6^3, 12^3\})$	1344

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6^3, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6^3, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6^3, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6^3, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6^3, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6^3, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6^3, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6^3, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6^3, 12^3\})$	344064
12	$\mathcal{O}(0; \{3, 4^{13}, 6^3, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^4, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^4, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^4, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^4, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^4, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^4, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^4, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^4, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^4, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^4, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^4, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{16}, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^5, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^5, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^{12}, 4, 6^5, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^5, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^5, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^5, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^7, 4^7, 6^5, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^5, 12^3\})$	349184

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 4^9, 6^5, 12^3\})$	176128
12	$\mathcal{O}(0; \{3^3, 4^9, 6^5, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2, 4^{11}, 6^5, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^6, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^6, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^6, 12^3\})$	175104
12	$\mathcal{O}(0; \{3^4, 4^7, 6^6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^6, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^7, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^7, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^7, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^7, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^7, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^7, 12^3\})$	174848
12	$\mathcal{O}(0; \{3^5, 4^5, 6^7, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^8, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^8, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^8, 4^3, 6^8, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^8, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^6, 4^3, 6^8, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^5, 4^5, 6^8, 12^3\})$	87296
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^8, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^2, 4^7, 6^8, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^9, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^9, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^7, 4, 6^9, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^9, 12^3\})$	87360
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^9, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^9, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^{10}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^{10}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^{10}, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^6, 4, 6^{11}, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^{11}, 12^3\})$	349520

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4^3, 6^{11}, 12^3\})$	174784
12	$\mathcal{O}(0; \{4^5, 6^{11}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{12}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3, 4^3, 6^{12}, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^2, 4, 6^{13}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 4, 6^{14}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^{24}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{20}, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{15}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{18}, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{21}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{15}, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^9, 4^8, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^9, 4^{10}, 12^4\})$	49152
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 12^4\})$	344064
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^6, 4^{12}, 12^4\})$	196608
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^3, 4^{14}, 12^4\})$	786432
12	$\mathcal{O}(0; \{4^{16}, 12^4\})$	3145728
12	$\mathcal{O}(0; \{2^{21}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^7, 6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{10}, 6, 12^4\})$	87376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{13}, 6, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{16}, 6, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6, 12^4\})$	720896
12	$\mathcal{O}(0; \{3, 4^{14}, 6, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{18}, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{11}, 6^2, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{14}, 6^2, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^2, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^2, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^2, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^2, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^2, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^2, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^2, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^2, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^2, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^2, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{19}, 6^3, 12^4\})$	336

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6^3, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^9, 6^3, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6^3, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^3, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^3, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^3, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^3, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^3, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^3, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^3, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^3, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^7, 4^8, 6^3, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^3, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^3, 12^4\})$	344064
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^3, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2, 4^{12}, 6^3, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{16}, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^7, 6^4, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^4, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{13}, 6^4, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^4, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^4, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^4, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^4, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^4, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^4, 12^4\})$	348160
12	$\mathcal{O}(0; \{3^4, 4^8, 6^4, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^4, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^5, 6^5, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^8, 6^5, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^{11}, 6^5, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^5, 12^4\})$	21824

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^5, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^5, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^5, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^5, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^5, 12^4\})$	349184
12	$\mathcal{O}(0; \{3^5, 4^6, 6^5, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^5, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{14}, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^6, 6^6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^9, 6^6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^6, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^8, 4^4, 6^6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^6, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^6, 4^4, 6^6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^5, 4^6, 6^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^2, 4^8, 6^6, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^{11}, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^4, 6^7, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^7, 6^7, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^7, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^7, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^7, 4^2, 6^7, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^7, 12^4\})$	174848
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^7, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^7, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^2, 6^8, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^5, 6^8, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^8, 6^8, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^8, 12^4\})$	174784
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^8, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^8, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^9, 6^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^3, 6^9, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^6, 6^9, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^6, 4^2, 6^9, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^9, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^3, 4^4, 6^9, 12^4\})$	349440
12	$\mathcal{O}(0; \{4^6, 6^9, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3, 6^{10}, 12^4\})$	87376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 6^{10}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{10}, 12^4\})$	349504
12	$\mathcal{O}(0; \{3, 4^4, 6^{10}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^2, 6^{11}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{11}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^4, 6^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{3^3, 6^{12}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 4^2, 6^{12}, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3, 6^{13}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^{11}, 4^5, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 12^5\})$	1376256
12	$\mathcal{O}(0; \{3^2, 4^{13}, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{19}, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6, 12^5\})$	5592064

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^7, 4^9, 6, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6, 12^5\})$	720896
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2, 4^{13}, 6, 12^5\})$	2883584
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^2, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^2, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{13}, 4, 6^2, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^2, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^2, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^2, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^2, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^2, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^2, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^2, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^2, 12^5\})$	704512
12	$\mathcal{O}(0; \{3^4, 4^9, 6^2, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^2, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^3, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^3, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^3, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^3, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^3, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^3, 12^5\})$	700416
12	$\mathcal{O}(0; \{3^5, 4^7, 6^3, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^3, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{14}, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^4, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^4, 12^5\})$	174848

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^4, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^8, 4^5, 6^4, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^4, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^6, 4^5, 6^4, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^5, 4^7, 6^4, 12^5\})$	348160
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^4, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^2, 4^9, 6^4, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^5, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^5, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^5, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^5, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^7, 4^3, 6^5, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^5, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^6, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^8, 4, 6^6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^6, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^9, 4, 6^7, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^7, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^7, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^6, 4^3, 6^7, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^7, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^3, 4^5, 6^7, 12^5\})$	699392
12	$\mathcal{O}(0; \{4^7, 6^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^8, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^8, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^8, 12^5\})$	699136
12	$\mathcal{O}(0; \{3, 4^5, 6^8, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^9, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^2, 4^3, 6^9, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^4, 4, 6^{10}, 12^5\})$	349504
12	$\mathcal{O}(0; \{3^3, 4, 6^{10}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 4^3, 6^{10}, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3, 4, 6^{11}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^{10}, 12^6\})$	699072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{13}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^{13}, 4^2, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 12^6\})$	1376256
12	$\mathcal{O}(0; \{3^4, 4^{10}, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 12^6\})$	5505024
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^8, 6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{14}, 6, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6, 12^6\})$	1392640
12	$\mathcal{O}(0; \{3^5, 4^8, 6, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{17}, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^6, 6^2, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^9, 6^2, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{12}, 6^2, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^2, 12^6\})$	699136

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^2, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^2, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^8, 4^6, 6^2, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^2, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^6, 4^6, 6^2, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^5, 4^8, 6^2, 12^6\})$	704512
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^2, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^2, 12^6\})$	2818048
12	$\mathcal{O}(0; \{2^{14}, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^3, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^7, 6^3, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^3, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^3, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^3, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^3, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^3, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^7, 4^4, 6^3, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^3, 12^6\})$	700416
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^3, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^3, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^5, 6^4, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^8, 6^4, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^4, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^4, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^8, 4^2, 6^4, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^4, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^{12}, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^3, 6^5, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^6, 6^5, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^9, 6^5, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^9, 4^2, 6^5, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^5, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^5, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^6, 4^4, 6^5, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^5, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^3, 4^6, 6^5, 12^6\})$	1396736
12	$\mathcal{O}(0; \{4^8, 6^5, 12^6\})$	5586944

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3, 6^6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^4, 6^6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^7, 6^6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3, 4^6, 6^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^2, 6^7, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^5, 6^7, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^7, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^2, 4^4, 6^7, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^7, 6^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^3, 6^8, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^4, 4^2, 6^8, 12^6\})$	699136
12	$\mathcal{O}(0; \{3^3, 4^2, 6^8, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 4^4, 6^8, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3, 6^9, 12^6\})$	699072
12	$\mathcal{O}(0; \{3^4, 6^9, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^9, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^2, 6^{10}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 6^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{14}, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^8, 4^7, 12^7\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3^6, 4^7, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^5, 4^9, 12^7\})$	1376256
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^2, 4^{11}, 12^7\})$	5505024
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6, 12^7\})$	11184896

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^7, 4^5, 6, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6, 12^7\})$	5570560
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^2, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^2, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^2, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^2, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^8, 4^3, 6^2, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^2, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^2, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^2, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^{12}, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^3, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^3, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^9, 4, 6^3, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^9, 4^3, 6^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^3, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^6, 4^5, 6^3, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^3, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^3, 4^7, 6^3, 12^7\})$	2801664
12	$\mathcal{O}(0; \{4^9, 6^3, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^4, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^4, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^4, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3, 4^7, 6^4, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^5, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^5, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^5, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^2, 4^5, 6^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^7, 4, 6^6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^4, 4^3, 6^6, 12^7\})$	1397760

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^3, 6^6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2, 4^5, 6^6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^7, 12^7\})$	1398016
12	$\mathcal{O}(0; \{3^4, 4, 6^7, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^7, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^8, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^2, 4, 6^9, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{11}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^8, 4^4, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 12^8\})$	11206656
12	$\mathcal{O}(0; \{2^{15}, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^6, 6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^9, 6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^9, 4^2, 6, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^9, 4^4, 6, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^6, 4^6, 6, 12^8\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^3, 4^8, 6, 12^8\})$	5570560
12	$\mathcal{O}(0; \{4^{10}, 6, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{12}, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^4, 6^2, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^7, 6^2, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^{10}, 6^2, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^2, 12^8\})$	1396736

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^2, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^2, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3, 4^8, 6^2, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^9, 3^2, 6^3, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^5, 6^3, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^8, 6^3, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^3, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^3, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^3, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^2, 4^6, 6^3, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^{10}, 6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^3, 6^4, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^6, 6^4, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^7, 4^2, 6^4, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^4, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^4, 4^4, 6^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{3^3, 4^4, 6^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2, 4^6, 6^4, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^7, 3, 6^5, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^4, 6^5, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^5, 12^8\})$	2796544
12	$\mathcal{O}(0; \{3^4, 4^2, 6^5, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^5, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^2, 6^6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{3^5, 6^6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^5, 6^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2, 3^3, 6^7, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^2, 4^2, 6^7, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3, 6^8, 12^8\})$	5592320
12	$\mathcal{O}(0; \{6^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^{10}, 4, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 12^9\})$	11206656
12	$\mathcal{O}(0; \{3, 4^9, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6, 12^9\})$	699392

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^8, 4, 6, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3^2, 4^7, 6, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^{10}, 4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^2, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^2, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^7, 4^3, 6^2, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^2, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^4, 4^5, 6^2, 12^9\})$	5586944
12	$\mathcal{O}(0; \{3^3, 4^5, 6^2, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2, 4^7, 6^2, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^3, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^3, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{3^4, 4^3, 6^3, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^3, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3^5, 4, 6^4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^4, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^5, 4, 6^5, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^5, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^2, 4^3, 6^5, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{4, 6^8, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^{13}, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^9, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^7, 4^4, 12^{10}\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2^4, 4^6, 12^{10}\})$	11206656
12	$\mathcal{O}(0; \{3^3, 4^6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2, 4^8, 12^{10}\})$	44826624
12	$\mathcal{O}(0; \{2^{10}, 3, 6, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^4, 6, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^7, 6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6, 12^{10}\})$	2797568

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{3^4, 4^4, 6, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2, 3, 4^6, 6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{3^5, 4^2, 6^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^2, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^8, 6^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^6, 6^3, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^5, 4^2, 6^3, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^3, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 4^4, 6^3, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3, 6^4, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2, 3^4, 6^4, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^4, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^3, 6^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{4^2, 6^6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{3, 6^7, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{3^5, 4^3, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^8, 4, 6, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^6, 4, 6, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 4^3, 6, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 4^5, 6, 12^{11}\})$	44761088
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 4, 6^4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{4^3, 6^4, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{3, 4, 6^5, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^8, 3, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^7, 12^{12}\})$	357912576

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{2^5, 3^2, 6, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^5, 6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2^6, 6^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{4^4, 6^2, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^3, 3, 6^3, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3, 4^2, 6^3, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{3^2, 6^4, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2, 6^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^6, 4, 12^{13}\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 4^3, 12^{13}\})$	89456640
12	$\mathcal{O}(0; \{4^5, 12^{13}\})$	357826560
12	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{3, 4^3, 6, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{3^2, 4, 6^2, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2, 4, 6^3, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 3^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{3^2, 4^2, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2^4, 6, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{3^3, 6, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2, 4^2, 6, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{2, 3, 6^2, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2, 3, 4, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{2^2, 12^{16}\})$	715849728
13	$\mathcal{O}(5; \{13^5\})$	2638611533989860
14	$\mathcal{O}(6; \{7^2\})$	340080426528570
14	$\mathcal{O}(5; \{2^4, 7^2\})$	1735527929856
14	$\mathcal{O}(5; \{2^2, 7, 14^2\})$	8677639649280
14	$\mathcal{O}(5; \{14^4\})$	53801365825536
14	$\mathcal{O}(4; \{2^8, 7^2\})$	8854734336
14	$\mathcal{O}(4; \{2, 7^5, 14\})$	9837609847296
14	$\mathcal{O}(4; \{2^6, 7, 14^2\})$	44273671680
14	$\mathcal{O}(4; \{2^4, 14^4\})$	274496764416
14	$\mathcal{O}(3; \{2^{12}, 7^2\})$	45177216
14	$\mathcal{O}(3; \{7^9\})$	10670671357290
14	$\mathcal{O}(3; \{2^5, 7^5, 14\})$	50191886976
14	$\mathcal{O}(3; \{2^{10}, 7, 14^2\})$	225886080

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(3; \{2^3, 7^4, 14^3\})$	301106144640
14	$\mathcal{O}(3; \{2^8, 14^4\})$	1400493696
14	$\mathcal{O}(3; \{2, 7^3, 14^5\})$	1806682045056
14	$\mathcal{O}(2; \{2^{16}, 7^2\})$	230496
14	$\mathcal{O}(2; \{2^4, 7^9\})$	55306362720
14	$\mathcal{O}(2; \{2^9, 7^5, 14\})$	256081056
14	$\mathcal{O}(2; \{2^{14}, 7, 14^2\})$	1152480
14	$\mathcal{O}(2; \{2^2, 7^8, 14^2\})$	331838406816
14	$\mathcal{O}(2; \{2^7, 7^4, 14^3\})$	1536255840
14	$\mathcal{O}(2; \{2^{12}, 14^4\})$	7145376
14	$\mathcal{O}(2; \{7^7, 14^4\})$	1991030210400
14	$\mathcal{O}(2; \{2^5, 7^3, 14^5\})$	9217765536
14	$\mathcal{O}(2; \{2^3, 7^2, 14^7\})$	55306362720
14	$\mathcal{O}(2; \{2, 7, 14^9\})$	331838406816
14	$\mathcal{O}(1; \{2^{20}, 7^2\})$	1176
14	$\mathcal{O}(1; \{2^8, 7^9\})$	282175320
14	$\mathcal{O}(1; \{2^{13}, 7^5, 14\})$	1306536
14	$\mathcal{O}(1; \{2, 7^{12}, 14\})$	365699432280
14	$\mathcal{O}(1; \{2^{18}, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{2^6, 7^8, 14^2\})$	1693053096
14	$\mathcal{O}(1; \{2^{11}, 7^4, 14^3\})$	7838040
14	$\mathcal{O}(1; \{2^{16}, 14^4\})$	36456
14	$\mathcal{O}(1; \{2^4, 7^7, 14^4\})$	10158317400
14	$\mathcal{O}(1; \{2^9, 7^3, 14^5\})$	47029416
14	$\mathcal{O}(1; \{2^2, 7^6, 14^6\})$	60949905576
14	$\mathcal{O}(1; \{2^7, 7^2, 14^7\})$	282175320
14	$\mathcal{O}(1; \{7^5, 14^8\})$	365699432280
14	$\mathcal{O}(1; \{2^5, 7, 14^9\})$	1693053096
14	$\mathcal{O}(1; \{2^3, 14^{11}\})$	10158317400
14	$\mathcal{O}(0; \{2^{24}, 7^2\})$	6
14	$\mathcal{O}(0; \{2^{12}, 7^9\})$	1439670
14	$\mathcal{O}(0; \{2^{17}, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^5, 7^{12}, 14\})$	1865813430
14	$\mathcal{O}(0; \{2^{22}, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{2^{10}, 7^8, 14^2\})$	8638026
14	$\mathcal{O}(0; \{2^{15}, 7^4, 14^3\})$	39990
14	$\mathcal{O}(0; \{2^3, 7^{11}, 14^3\})$	11194880586
14	$\mathcal{O}(0; \{2^{20}, 14^4\})$	186
14	$\mathcal{O}(0; \{2^8, 7^7, 14^4\})$	51828150
14	$\mathcal{O}(0; \{2^{13}, 7^3, 14^5\})$	239946
14	$\mathcal{O}(0; \{2, 7^{10}, 14^5\})$	67169283510
14	$\mathcal{O}(0; \{2^6, 7^6, 14^6\})$	310968906
14	$\mathcal{O}(0; \{2^{11}, 7^2, 14^7\})$	1439670

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^4, 7^5, 14^8\})$	1865813430
14	$\mathcal{O}(0; \{2^9, 7, 14^9\})$	8638026
14	$\mathcal{O}(0; \{2^2, 7^4, 14^{10}\})$	11194880586
14	$\mathcal{O}(0; \{2^7, 14^{11}\})$	51828150
14	$\mathcal{O}(0; \{7^3, 14^{12}\})$	67169283510
15	$\mathcal{O}(5; \{3^2, 5^2\})$	4613203125000
15	$\mathcal{O}(4; \{3^5, 5^2\})$	102515625000
15	$\mathcal{O}(4; \{3, 5^3, 15^2\})$	1045659375000
15	$\mathcal{O}(4; \{3^2, 5, 15^3\})$	1332703125000
15	$\mathcal{O}(3; \{3^8, 5^2\})$	3918375000
15	$\mathcal{O}(3; \{3^2, 5^7\})$	74631375000
15	$\mathcal{O}(3; \{3^3, 5^5, 15\})$	56041875000
15	$\mathcal{O}(3; \{3^4, 5^3, 15^2\})$	51121125000
15	$\mathcal{O}(3; \{3^5, 5, 15^3\})$	50938875000
15	$\mathcal{O}(3; \{5^4, 15^4\})$	895849875000
15	$\mathcal{O}(3; \{3, 5^2, 15^5\})$	820945125000
15	$\mathcal{O}(3; \{3^2, 15^6\})$	803266875000
15	$\mathcal{O}(2; \{3^{11}, 5^2\})$	138105000
15	$\mathcal{O}(2; \{3^5, 5^7\})$	1658475000
15	$\mathcal{O}(2; \{3^6, 5^5, 15\})$	1743525000
15	$\mathcal{O}(2; \{3^7, 5^3, 15^2\})$	1755675000
15	$\mathcal{O}(2; \{3, 5^8, 15^2\})$	21233745000
15	$\mathcal{O}(2; \{3^8, 5, 15^3\})$	1795365000
15	$\mathcal{O}(2; \{3^2, 5^6, 15^3\})$	26541675000
15	$\mathcal{O}(2; \{3^3, 5^4, 15^4\})$	27870885000
15	$\mathcal{O}(2; \{3^4, 5^2, 15^5\})$	28194075000
15	$\mathcal{O}(2; \{3^5, 15^6\})$	28311525000
15	$\mathcal{O}(2; \{5^3, 15^7\})$	445908645000
15	$\mathcal{O}(2; \{3, 5, 15^8\})$	451208475000
15	$\mathcal{O}(1; \{3^{14}, 5^2\})$	4915800
15	$\mathcal{O}(1; \{3^8, 5^7\})$	63390600
15	$\mathcal{O}(1; \{3^2, 5^{12}\})$	1509949800
15	$\mathcal{O}(1; \{3^9, 5^5, 15\})$	63099000
15	$\mathcal{O}(1; \{3^3, 5^{10}, 15\})$	1132461000
15	$\mathcal{O}(1; \{3^{10}, 5^3, 15^2\})$	62699400
15	$\mathcal{O}(1; \{3^4, 5^8, 15^2\})$	1038094200
15	$\mathcal{O}(1; \{3^{11}, 5, 15^3\})$	63905400
15	$\mathcal{O}(1; \{3^5, 5^6, 15^3\})$	1014481800
15	$\mathcal{O}(1; \{3^6, 5^4, 15^4\})$	1008660600
15	$\mathcal{O}(1; \{5^9, 15^4\})$	18119392200
15	$\mathcal{O}(1; \{3^7, 5^2, 15^5\})$	1006878600
15	$\mathcal{O}(1; \{3, 5^7, 15^5\})$	16609447800
15	$\mathcal{O}(1; \{3^8, 15^6\})$	1007739000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^2, 5^5, 15^6\})$	16231941000
15	$\mathcal{O}(1; \{3^3, 5^3, 15^7\})$	16137646200
15	$\mathcal{O}(1; \{3^4, 5, 15^8\})$	16113745800
15	$\mathcal{O}(1; \{5^2, 15^{10}\})$	258201415800
15	$\mathcal{O}(1; \{3, 15^{11}\})$	257823621000
15	$\mathcal{O}(0; \{3^{17}, 5^2\})$	174760
15	$\mathcal{O}(0; \{3^{11}, 5^7\})$	2234232
15	$\mathcal{O}(0; \{3^5, 5^{12}\})$	33554440
15	$\mathcal{O}(0; \{3^{12}, 5^5, 15\})$	2238600
15	$\mathcal{O}(0; \{3^6, 5^{10}, 15\})$	35232120
15	$\mathcal{O}(0; \{3^{13}, 5^3, 15^2\})$	2228088
15	$\mathcal{O}(0; \{3^7, 5^8, 15^2\})$	35651720
15	$\mathcal{O}(0; \{3, 5^{13}, 15^2\})$	429496728
15	$\mathcal{O}(0; \{3^{14}, 5, 15^3\})$	2271880
15	$\mathcal{O}(0; \{3^8, 5^6, 15^3\})$	35755896
15	$\mathcal{O}(0; \{3^2, 5^{11}, 15^3\})$	536870920
15	$\mathcal{O}(0; \{3^9, 5^4, 15^4\})$	35784840
15	$\mathcal{O}(0; \{3^3, 5^9, 15^4\})$	563714424
15	$\mathcal{O}(0; \{3^{10}, 5^2, 15^5\})$	35780472
15	$\mathcal{O}(0; \{3^4, 5^7, 15^5\})$	570425480
15	$\mathcal{O}(0; \{3^{11}, 15^6\})$	35825800
15	$\mathcal{O}(0; \{3^5, 5^5, 15^6\})$	572102520
15	$\mathcal{O}(0; \{3^6, 5^3, 15^7\})$	572524680
15	$\mathcal{O}(0; \{5^8, 15^7\})$	9019431288
15	$\mathcal{O}(0; \{3^7, 5, 15^8\})$	572618616
15	$\mathcal{O}(0; \{3, 5^6, 15^8\})$	9126805640
15	$\mathcal{O}(0; \{3^2, 5^4, 15^9\})$	9153648504
15	$\mathcal{O}(0; \{3^3, 5^2, 15^{10}\})$	9160362120
15	$\mathcal{O}(0; \{3^4, 15^{11}\})$	9162028920
15	$\mathcal{O}(0; \{5, 15^{13}\})$	146565761160
16	$\mathcal{O}(5; \{2, 8^2\})$	4393751543808
16	$\mathcal{O}(4; \{2^5, 8^2\})$	17112760320
16	$\mathcal{O}(4; \{2^2, 4^2, 8^2\})$	68451041280
16	$\mathcal{O}(4; \{4, 8^4\})$	547608330240
16	$\mathcal{O}(4; \{2^3, 8, 16^2\})$	137438953472
16	$\mathcal{O}(4; \{4^2, 8, 16^2\})$	549755813888
16	$\mathcal{O}(4; \{2, 16^4\})$	2199023255552
16	$\mathcal{O}(3; \{2^9, 8^2\})$	66060288
16	$\mathcal{O}(3; \{2^6, 4^2, 8^2\})$	264241152
16	$\mathcal{O}(3; \{2^3, 4^4, 8^2\})$	1056964608
16	$\mathcal{O}(3; \{4^6, 8^2\})$	4227858432
16	$\mathcal{O}(3; \{2^4, 4, 8^4\})$	2113929216
16	$\mathcal{O}(3; \{2, 4^3, 8^4\})$	8455716864

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{2^2, 8^6\})$	16911433728
16	$\mathcal{O}(3; \{2^7, 8, 16^2\})$	536870912
16	$\mathcal{O}(3; \{2^4, 4^2, 8, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2, 4^4, 8, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2^2, 4, 8^3, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{8^5, 16^2\})$	137438953472
16	$\mathcal{O}(3; \{2^5, 16^4\})$	8589934592
16	$\mathcal{O}(3; \{2^2, 4^2, 16^4\})$	34359738368
16	$\mathcal{O}(3; \{4, 8^2, 16^4\})$	274877906944
16	$\mathcal{O}(2; \{2^{13}, 8^2\})$	245760
16	$\mathcal{O}(2; \{2^{10}, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{2^7, 4^4, 8^2\})$	3932160
16	$\mathcal{O}(2; \{2^4, 4^6, 8^2\})$	15728640
16	$\mathcal{O}(2; \{2, 4^8, 8^2\})$	62914560
16	$\mathcal{O}(2; \{2^8, 4, 8^4\})$	7864320
16	$\mathcal{O}(2; \{2^5, 4^3, 8^4\})$	31457280
16	$\mathcal{O}(2; \{2^2, 4^5, 8^4\})$	125829120
16	$\mathcal{O}(2; \{2^6, 8^6\})$	62914560
16	$\mathcal{O}(2; \{2^3, 4^2, 8^6\})$	251658240
16	$\mathcal{O}(2; \{4^4, 8^6\})$	1006632960
16	$\mathcal{O}(2; \{2, 4, 8^8\})$	2013265920
16	$\mathcal{O}(2; \{2^{11}, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2^8, 4^2, 8, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^5, 4^4, 8, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^2, 4^6, 8, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^6, 4, 8^3, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^3, 4^3, 8^3, 16^2\})$	268435456
16	$\mathcal{O}(2; \{4^5, 8^3, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2^4, 8^5, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2, 4^2, 8^5, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2^9, 16^4\})$	33554432
16	$\mathcal{O}(2; \{2^6, 4^2, 16^4\})$	134217728
16	$\mathcal{O}(2; \{2^3, 4^4, 16^4\})$	536870912
16	$\mathcal{O}(2; \{4^6, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2^4, 4, 8^2, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{2, 4^3, 8^2, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2^2, 8^4, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{2^2, 4, 8, 16^6\})$	17179869184
16	$\mathcal{O}(2; \{8^3, 16^6\})$	137438953472
16	$\mathcal{O}(2; \{4, 16^8\})$	274877906944
16	$\mathcal{O}(1; \{2^{17}, 8^2\})$	768
16	$\mathcal{O}(1; \{2^{14}, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^{11}, 4^4, 8^2\})$	12288

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^8, 4^6, 8^2\})$	49152
16	$\mathcal{O}(1; \{2^5, 4^8, 8^2\})$	196608
16	$\mathcal{O}(1; \{2^2, 4^{10}, 8^2\})$	786432
16	$\mathcal{O}(1; \{2^{12}, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{2^9, 4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{2^6, 4^5, 8^4\})$	393216
16	$\mathcal{O}(1; \{2^3, 4^7, 8^4\})$	1572864
16	$\mathcal{O}(1; \{4^9, 8^4\})$	6291456
16	$\mathcal{O}(1; \{2^{10}, 8^6\})$	196608
16	$\mathcal{O}(1; \{2^7, 4^2, 8^6\})$	786432
16	$\mathcal{O}(1; \{2^4, 4^4, 8^6\})$	3145728
16	$\mathcal{O}(1; \{2, 4^6, 8^6\})$	12582912
16	$\mathcal{O}(1; \{2^5, 4, 8^8\})$	6291456
16	$\mathcal{O}(1; \{2^2, 4^3, 8^8\})$	25165824
16	$\mathcal{O}(1; \{2^3, 8^{10}\})$	50331648
16	$\mathcal{O}(1; \{4^2, 8^{10}\})$	201326592
16	$\mathcal{O}(1; \{2^{15}, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^{12}, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^9, 4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^6, 4^6, 8, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^3, 4^8, 8, 16^2\})$	2097152
16	$\mathcal{O}(1; \{4^{10}, 8, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^{10}, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^7, 4^3, 8^3, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^4, 4^5, 8^3, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2, 4^7, 8^3, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^8, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^5, 4^2, 8^5, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^2, 4^4, 8^5, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^3, 4, 8^7, 16^2\})$	67108864
16	$\mathcal{O}(1; \{4^3, 8^7, 16^2\})$	268435456
16	$\mathcal{O}(1; \{2, 8^9, 16^2\})$	536870912
16	$\mathcal{O}(1; \{2^{13}, 16^4\})$	131072
16	$\mathcal{O}(1; \{2^{10}, 4^2, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^7, 4^4, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^4, 4^6, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2, 4^8, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^8, 4, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^5, 4^3, 8^2, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^2, 4^5, 8^2, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^6, 8^4, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^3, 4^2, 8^4, 16^4\})$	134217728
16	$\mathcal{O}(1; \{4^4, 8^4, 16^4\})$	536870912

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2, 4, 8^6, 16^4\})$	1073741824
16	$\mathcal{O}(1; \{2^6, 4, 8, 16^6\})$	67108864
16	$\mathcal{O}(1; \{2^3, 4^3, 8, 16^6\})$	268435456
16	$\mathcal{O}(1; \{4^5, 8, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2^4, 8^3, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2, 4^2, 8^3, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2^4, 4, 16^8\})$	1073741824
16	$\mathcal{O}(1; \{2, 4^3, 16^8\})$	4294967296
16	$\mathcal{O}(1; \{2^2, 8^2, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{8, 16^{10}\})$	137438953472
16	$\mathcal{O}(0; \{2^{19}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^{16}, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{13}, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{10}, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^7, 4^8, 8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^4, 4^{10}, 8, 16^2\})$	32768
16	$\mathcal{O}(0; \{2, 4^{12}, 8, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^{14}, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^{11}, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^8, 4^5, 8^3, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^5, 4^7, 8^3, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^2, 4^9, 8^3, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{12}, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^9, 4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^6, 4^4, 8^5, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^3, 4^6, 8^5, 16^2\})$	524288
16	$\mathcal{O}(0; \{4^8, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^7, 4, 8^7, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^4, 4^3, 8^7, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2, 4^5, 8^7, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^5, 8^9, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^2, 8^9, 16^2\})$	8388608
16	$\mathcal{O}(0; \{4, 8^{11}, 16^2\})$	67108864
16	$\mathcal{O}(0; \{2^{17}, 16^4\})$	512
16	$\mathcal{O}(0; \{2^{14}, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^{11}, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^8, 4^6, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^5, 4^8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^2, 4^{10}, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^{12}, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^9, 4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^6, 4^5, 8^2, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^3, 4^7, 8^2, 16^4\})$	1048576

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{4^9, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^{10}, 8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^7, 4^2, 8^4, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^4, 4^4, 8^4, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2, 4^6, 8^4, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^5, 4, 8^6, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^2, 4^3, 8^6, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^3, 8^8, 16^4\})$	33554432
16	$\mathcal{O}(0; \{4^2, 8^8, 16^4\})$	134217728
16	$\mathcal{O}(0; \{2^{10}, 4, 8, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^7, 4^3, 8, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^4, 4^5, 8, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2, 4^7, 8, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^8, 8^3, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^5, 4^2, 8^3, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4^4, 8^3, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^3, 4, 8^5, 16^6\})$	67108864
16	$\mathcal{O}(0; \{4^3, 8^5, 16^6\})$	268435456
16	$\mathcal{O}(0; \{2, 8^7, 16^6\})$	536870912
16	$\mathcal{O}(0; \{2^8, 4, 16^8\})$	4194304
16	$\mathcal{O}(0; \{2^5, 4^3, 16^8\})$	16777216
16	$\mathcal{O}(0; \{2^2, 4^5, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2^6, 8^2, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 16^8\})$	134217728
16	$\mathcal{O}(0; \{4^4, 8^2, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2, 4, 8^4, 16^8\})$	1073741824
16	$\mathcal{O}(0; \{2^4, 8, 16^{10}\})$	536870912
16	$\mathcal{O}(0; \{2, 4^2, 8, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{2^2, 16^{12}\})$	8589934592
17	$\mathcal{O}(3; \{17^6\})$	23821270295824
18	$\mathcal{O}(4; \{3^2, 9^2\})$	263445932520
18	$\mathcal{O}(4; \{2, 6, 9^2\})$	132239526912
18	$\mathcal{O}(3; \{2^4, 3^2, 9^2\})$	816293376
18	$\mathcal{O}(3; \{3^5, 9^2\})$	6428310336
18	$\mathcal{O}(3; \{2^5, 6, 9^2\})$	408146688
18	$\mathcal{O}(3; \{2, 3^3, 6, 9^2\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 3, 6^2, 9^2\})$	1632586752
18	$\mathcal{O}(3; \{6^4, 9^2\})$	3265173504
18	$\mathcal{O}(3; \{3, 9^5\})$	54238868460
18	$\mathcal{O}(3; \{2^3, 9^3, 18\})$	5509980288
18	$\mathcal{O}(3; \{3, 6, 9^3, 18\})$	22039921152
18	$\mathcal{O}(3; \{2^2, 3^2, 9, 18^2\})$	2448880128
18	$\mathcal{O}(3; \{2^3, 6, 9, 18^2\})$	1224440064

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{3, 6^2, 9, 18^2\})$	4897760256
18	$\mathcal{O}(3; \{2, 9^2, 18^3\})$	27549901440
18	$\mathcal{O}(3; \{3^2, 18^4\})$	22039921152
18	$\mathcal{O}(3; \{2, 6, 18^4\})$	11019960576
18	$\mathcal{O}(2; \{2^8, 3^2, 9^2\})$	2519424
18	$\mathcal{O}(2; \{2^4, 3^5, 9^2\})$	20155392
18	$\mathcal{O}(2; \{3^8, 9^2\})$	151165440
18	$\mathcal{O}(2; \{2^9, 6, 9^2\})$	1259712
18	$\mathcal{O}(2; \{2^5, 3^3, 6, 9^2\})$	10077696
18	$\mathcal{O}(2; \{2, 3^6, 6, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^6, 3, 6^2, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3^4, 6^2, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^3, 3^2, 6^3, 9^2\})$	20155392
18	$\mathcal{O}(2; \{2^4, 6^4, 9^2\})$	10077696
18	$\mathcal{O}(2; \{3^3, 6^4, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2, 3, 6^5, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3, 9^5\})$	170061120
18	$\mathcal{O}(2; \{3^4, 9^5\})$	1275458400
18	$\mathcal{O}(2; \{2, 3^2, 6, 9^5\})$	680244480
18	$\mathcal{O}(2; \{2^2, 6^2, 9^5\})$	340122240
18	$\mathcal{O}(2; \{9^8\})$	18510090030
18	$\mathcal{O}(2; \{2^7, 9^3, 18\})$	17006112
18	$\mathcal{O}(2; \{2^3, 3^3, 9^3, 18\})$	136048896
18	$\mathcal{O}(2; \{2^4, 3, 6, 9^3, 18\})$	68024448
18	$\mathcal{O}(2; \{3^4, 6, 9^3, 18\})$	544195584
18	$\mathcal{O}(2; \{2, 3^2, 6^2, 9^3, 18\})$	272097792
18	$\mathcal{O}(2; \{2^2, 6^3, 9^3, 18\})$	136048896
18	$\mathcal{O}(2; \{6, 9^6, 18\})$	6428310336
18	$\mathcal{O}(2; \{2^6, 3^2, 9, 18^2\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^5, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{2^7, 6, 9, 18^2\})$	3779136
18	$\mathcal{O}(2; \{2^3, 3^3, 6, 9, 18^2\})$	30233088
18	$\mathcal{O}(2; \{2^4, 3, 6^2, 9, 18^2\})$	15116544
18	$\mathcal{O}(2; \{3^4, 6^2, 9, 18^2\})$	120932352
18	$\mathcal{O}(2; \{2, 3^2, 6^3, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{2^2, 6^4, 9, 18^2\})$	30233088
18	$\mathcal{O}(2; \{2^2, 3, 9^4, 18^2\})$	1122403392
18	$\mathcal{O}(2; \{6^2, 9^4, 18^2\})$	2244806784
18	$\mathcal{O}(2; \{2^5, 9^2, 18^3\})$	85030560
18	$\mathcal{O}(2; \{2, 3^3, 9^2, 18^3\})$	680244480
18	$\mathcal{O}(2; \{2^2, 3, 6, 9^2, 18^3\})$	340122240
18	$\mathcal{O}(2; \{6^3, 9^2, 18^3\})$	680244480
18	$\mathcal{O}(2; \{2^4, 3^2, 18^4\})$	68024448

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{3^5, 18^4\})$	544195584
18	$\mathcal{O}(2; \{2^5, 6, 18^4\})$	34012224
18	$\mathcal{O}(2; \{2, 3^3, 6, 18^4\})$	272097792
18	$\mathcal{O}(2; \{2^2, 3, 6^2, 18^4\})$	136048896
18	$\mathcal{O}(2; \{6^4, 18^4\})$	272097792
18	$\mathcal{O}(2; \{3, 9^3, 18^4\})$	6428310336
18	$\mathcal{O}(2; \{2^3, 9, 18^5\})$	561201696
18	$\mathcal{O}(2; \{3, 6, 9, 18^5\})$	2244806784
18	$\mathcal{O}(2; \{2, 18^7\})$	3214155168
18	$\mathcal{O}(1; \{2^{12}, 3^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{2^8, 3^5, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^8, 9^2\})$	497664
18	$\mathcal{O}(1; \{3^{11}, 9^2\})$	2985984
18	$\mathcal{O}(1; \{2^{13}, 6, 9^2\})$	3888
18	$\mathcal{O}(1; \{2^9, 3^3, 6, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^6, 6, 9^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^9, 6, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^{10}, 3, 6^2, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^6, 3^4, 6^2, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^7, 6^2, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^7, 3^2, 6^3, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^5, 6^3, 9^2\})$	497664
18	$\mathcal{O}(1; \{2^8, 6^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^4, 3^3, 6^4, 9^2\})$	248832
18	$\mathcal{O}(1; \{3^6, 6^4, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^5, 3, 6^5, 9^2\})$	124416
18	$\mathcal{O}(1; \{2, 3^4, 6^5, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^2, 3^2, 6^6, 9^2\})$	497664
18	$\mathcal{O}(1; \{2^3, 6^7, 9^2\})$	248832
18	$\mathcal{O}(1; \{3, 6^8, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3, 9^5\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^4, 9^5\})$	4199040
18	$\mathcal{O}(1; \{3^7, 9^5\})$	25194240
18	$\mathcal{O}(1; \{2^5, 3^2, 6, 9^5\})$	2099520
18	$\mathcal{O}(1; \{2, 3^5, 6, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^6, 6^2, 9^5\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 9^5\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3, 6^3, 9^5\})$	4199040
18	$\mathcal{O}(1; \{3^2, 6^4, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2, 6^5, 9^5\})$	8398080
18	$\mathcal{O}(1; \{2^4, 9^8\})$	60938568
18	$\mathcal{O}(1; \{3^3, 9^8\})$	365631408
18	$\mathcal{O}(1; \{2, 3, 6, 9^8\})$	243754272

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^{11}, 9^3, 18\})$	52488
18	$\mathcal{O}(1; \{2^7, 3^3, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^6, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{2^8, 3, 6, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^4, 6, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{3^7, 6, 9^3, 18\})$	13436928
18	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2, 3^5, 6^2, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^6, 6^3, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3, 6^4, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{3^2, 6^5, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2, 6^6, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3^2, 9^6, 18\})$	39680928
18	$\mathcal{O}(1; \{2^4, 6, 9^6, 18\})$	19840464
18	$\mathcal{O}(1; \{3^3, 6, 9^6, 18\})$	158723712
18	$\mathcal{O}(1; \{2, 3, 6^2, 9^6, 18\})$	79361856
18	$\mathcal{O}(1; \{2^{10}, 3^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^5, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^8, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^{11}, 6, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{2^7, 3^3, 6, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^6, 6, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{2^8, 3, 6^2, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^4, 6^2, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{3^7, 6^2, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2^5, 3^2, 6^3, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2, 3^5, 6^3, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^6, 6^4, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^3, 6^4, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{2^3, 3, 6^5, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{3^2, 6^6, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2, 6^7, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{2^6, 3, 9^4, 18^2\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^4, 9^4, 18^2\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^4, 18^2\})$	13856832
18	$\mathcal{O}(1; \{2^4, 6^2, 9^4, 18^2\})$	6928416
18	$\mathcal{O}(1; \{3^3, 6^2, 9^4, 18^2\})$	55427328
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^4, 18^2\})$	27713664
18	$\mathcal{O}(1; \{2^2, 9^7, 18^2\})$	361379880
18	$\mathcal{O}(1; \{2^9, 9^2, 18^3\})$	262440
18	$\mathcal{O}(1; \{2^5, 3^3, 9^2, 18^3\})$	2099520
18	$\mathcal{O}(1; \{2, 3^6, 9^2, 18^3\})$	16796160

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^6, 3, 6, 9^2, 18^3\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^4, 6, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 9^2, 18^3\})$	4199040
18	$\mathcal{O}(1; \{2^4, 6^3, 9^2, 18^3\})$	2099520
18	$\mathcal{O}(1; \{3^3, 6^3, 9^2, 18^3\})$	16796160
18	$\mathcal{O}(1; \{2, 3, 6^4, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2, 3^2, 9^5, 18^3\})$	243754272
18	$\mathcal{O}(1; \{2^2, 6, 9^5, 18^3\})$	121877136
18	$\mathcal{O}(1; \{2^8, 3^2, 18^4\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^5, 18^4\})$	1679616
18	$\mathcal{O}(1; \{3^8, 18^4\})$	13436928
18	$\mathcal{O}(1; \{2^9, 6, 18^4\})$	104976
18	$\mathcal{O}(1; \{2^5, 3^3, 6, 18^4\})$	839808
18	$\mathcal{O}(1; \{2, 3^6, 6, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2^6, 3, 6^2, 18^4\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 18^4\})$	1679616
18	$\mathcal{O}(1; \{2^4, 6^4, 18^4\})$	839808
18	$\mathcal{O}(1; \{3^3, 6^4, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2, 3, 6^5, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 9^3, 18^4\})$	19840464
18	$\mathcal{O}(1; \{3^4, 9^3, 18^4\})$	158723712
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^3, 18^4\})$	79361856
18	$\mathcal{O}(1; \{2^2, 6^2, 9^3, 18^4\})$	39680928
18	$\mathcal{O}(1; \{9^6, 18^4\})$	2181033864
18	$\mathcal{O}(1; \{2^7, 9, 18^5\})$	1732104
18	$\mathcal{O}(1; \{2^3, 3^3, 9, 18^5\})$	13856832
18	$\mathcal{O}(1; \{2^4, 3, 6, 9, 18^5\})$	6928416
18	$\mathcal{O}(1; \{3^4, 6, 9, 18^5\})$	55427328
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9, 18^5\})$	27713664
18	$\mathcal{O}(1; \{2^2, 6^3, 9, 18^5\})$	13856832
18	$\mathcal{O}(1; \{6, 9^4, 18^5\})$	722759760
18	$\mathcal{O}(1; \{2^2, 3, 9^2, 18^6\})$	121877136
18	$\mathcal{O}(1; \{6^2, 9^2, 18^6\})$	243754272
18	$\mathcal{O}(1; \{2^5, 18^7\})$	9920232
18	$\mathcal{O}(1; \{2, 3^3, 18^7\})$	79361856
18	$\mathcal{O}(1; \{2^2, 3, 6, 18^7\})$	39680928
18	$\mathcal{O}(1; \{6^3, 18^7\})$	79361856
18	$\mathcal{O}(1; \{3, 9, 18^8\})$	722759760
18	$\mathcal{O}(0; \{2^{16}, 3^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^{12}, 3^5, 9^2\})$	192
18	$\mathcal{O}(0; \{2^8, 3^8, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^{11}, 9^2\})$	12288

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{17}, 6, 9^2\})$	12
18	$\mathcal{O}(0; \{2^{13}, 3^3, 6, 9^2\})$	96
18	$\mathcal{O}(0; \{2^9, 3^6, 6, 9^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^9, 6, 9^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^{12}, 6, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^{14}, 3, 6^2, 9^2\})$	48
18	$\mathcal{O}(0; \{2^{10}, 3^4, 6^2, 9^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^7, 6^2, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^{10}, 6^2, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6^3, 9^2\})$	192
18	$\mathcal{O}(0; \{2^7, 3^5, 6^3, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^8, 6^3, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^{12}, 6^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^8, 3^3, 6^4, 9^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^6, 6^4, 9^2\})$	6144
18	$\mathcal{O}(0; \{3^9, 6^4, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^9, 3, 6^5, 9^2\})$	384
18	$\mathcal{O}(0; \{2^5, 3^4, 6^5, 9^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^7, 6^5, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^6, 3^2, 6^6, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^5, 6^6, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^7, 6^7, 9^2\})$	768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^7, 9^2\})$	6144
18	$\mathcal{O}(0; \{2^4, 3, 6^8, 9^2\})$	3072
18	$\mathcal{O}(0; \{3^4, 6^8, 9^2\})$	24576
18	$\mathcal{O}(0; \{2, 3^2, 6^9, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^2, 6^{10}, 9^2\})$	6144
18	$\mathcal{O}(0; \{2^{12}, 3, 9^5\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^4, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^7, 9^5\})$	103680
18	$\mathcal{O}(0; \{2^9, 3^2, 6, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^5, 6, 9^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^8, 6, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 6^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^7, 3, 6^3, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 9^5\})$	103680
18	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 9^5\})$	51840
18	$\mathcal{O}(0; \{3^5, 6^4, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^5, 6^5, 9^5\})$	25920
18	$\mathcal{O}(0; \{2, 3^3, 6^5, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^2, 3, 6^6, 9^5\})$	103680

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{6^8, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^8, 9^8\})$	188082
18	$\mathcal{O}(0; \{2^4, 3^3, 9^8\})$	1504656
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^8\})$	752328
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^8\})$	3009312
18	$\mathcal{O}(0; \{2^3, 6^3, 9^8\})$	1504656
18	$\mathcal{O}(0; \{3, 6^4, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2, 6, 9^{11}\})$	80542836
18	$\mathcal{O}(0; \{2^{15}, 9^3, 18\})$	162
18	$\mathcal{O}(0; \{2^{11}, 3^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^6, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^9, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^{12}, 3, 6, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^8, 3^4, 6, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^7, 6, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{3^{10}, 6, 9^3, 18\})$	331776
18	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2, 3^8, 6^2, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 6^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^7, 3, 6^4, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{3^5, 6^5, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^5, 6^6, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2, 3^3, 6^6, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^2, 3, 6^7, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{6^9, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^7, 3^2, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^5, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{2^8, 6, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9^6, 18\})$	489888
18	$\mathcal{O}(0; \{3^6, 6, 9^6, 18\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9^6, 18\})$	244944
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{2^3, 6^4, 9^6, 18\})$	489888
18	$\mathcal{O}(0; \{3, 6^5, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 9^9, 18\})$	13463172
18	$\mathcal{O}(0; \{3^2, 6, 9^9, 18\})$	53852688

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 6^2, 9^9, 18\})$	26926344
18	$\mathcal{O}(0; \{2^{14}, 3^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^{10}, 3^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^6, 3^8, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^{11}, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^{15}, 6, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^7, 3^6, 6, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^9, 6, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 3, 6^2, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^8, 3^4, 6^2, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^7, 6^2, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{3^{10}, 6^2, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^9, 3^2, 6^3, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^5, 3^5, 6^3, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2, 3^8, 6^3, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^{10}, 6^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^6, 3^3, 6^4, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^6, 6^4, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^7, 3, 6^5, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^4, 6^5, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{2^4, 3^2, 6^6, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{3^5, 6^6, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^5, 6^7, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2, 3^3, 6^7, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^2, 3, 6^8, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{6^{10}, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^{10}, 3, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^4, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^7, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{2^8, 6^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{3^6, 6^2, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{2^3, 6^5, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{3, 6^6, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^6, 9^7, 18^2\})$	1115370
18	$\mathcal{O}(0; \{2^2, 3^3, 9^7, 18^2\})$	8922960
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^7, 18^2\})$	4461480

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^2, 6^2, 9^7, 18^2\})$	17845920
18	$\mathcal{O}(0; \{2, 6^3, 9^7, 18^2\})$	8922960
18	$\mathcal{O}(0; \{2^{13}, 9^2, 18^3\})$	810
18	$\mathcal{O}(0; \{2^9, 3^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^6, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{2, 3^9, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 3, 6, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^4, 6, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^7, 6, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{2^8, 6^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{3^6, 6^3, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2^5, 3, 6^4, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2, 3^4, 6^4, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{2^3, 6^6, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{3, 6^7, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^5, 3^2, 9^5, 18^3\})$	752328
18	$\mathcal{O}(0; \{2, 3^5, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2^6, 6, 9^5, 18^3\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^5, 18^3\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^5, 18^3\})$	1504656
18	$\mathcal{O}(0; \{3^2, 6^3, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2, 6^4, 9^5, 18^3\})$	3009312
18	$\mathcal{O}(0; \{2, 3, 9^8, 18^3\})$	80542836
18	$\mathcal{O}(0; \{2^{12}, 3^2, 18^4\})$	648
18	$\mathcal{O}(0; \{2^8, 3^5, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^8, 18^4\})$	41472
18	$\mathcal{O}(0; \{3^{11}, 18^4\})$	331776
18	$\mathcal{O}(0; \{2^{13}, 6, 18^4\})$	324
18	$\mathcal{O}(0; \{2^9, 3^3, 6, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^6, 6, 18^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^9, 6, 18^4\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 18^4\})$	41472
18	$\mathcal{O}(0; \{2^8, 6^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 18^4\})$	20736
18	$\mathcal{O}(0; \{3^6, 6^4, 18^4\})$	165888

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 3, 6^5, 18^4\})$	10368
18	$\mathcal{O}(0; \{2, 3^4, 6^5, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 18^4\})$	41472
18	$\mathcal{O}(0; \{2^3, 6^7, 18^4\})$	20736
18	$\mathcal{O}(0; \{3, 6^8, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 9^3, 18^4\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^4, 9^3, 18^4\})$	489888
18	$\mathcal{O}(0; \{3^7, 9^3, 18^4\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^3, 18^4\})$	244944
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^6, 6^2, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^3, 18^4\})$	489888
18	$\mathcal{O}(0; \{3^2, 6^4, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2, 6^5, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{2^4, 9^6, 18^4\})$	6731586
18	$\mathcal{O}(0; \{3^3, 9^6, 18^4\})$	53852688
18	$\mathcal{O}(0; \{2, 3, 6, 9^6, 18^4\})$	26926344
18	$\mathcal{O}(0; \{2^{11}, 9, 18^5\})$	5346
18	$\mathcal{O}(0; \{2^7, 3^3, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^6, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{2^8, 3, 6, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{3^7, 6, 9, 18^5\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^6, 6^3, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{3^2, 6^5, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2, 6^6, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{2^3, 3^2, 9^4, 18^5\})$	4461480
18	$\mathcal{O}(0; \{2^4, 6, 9^4, 18^5\})$	2230740
18	$\mathcal{O}(0; \{3^3, 6, 9^4, 18^5\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^4, 18^5\})$	8922960
18	$\mathcal{O}(0; \{2^6, 3, 9^2, 18^6\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^4, 9^2, 18^6\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^2, 18^6\})$	1504656
18	$\mathcal{O}(0; \{2^4, 6^2, 9^2, 18^6\})$	752328
18	$\mathcal{O}(0; \{3^3, 6^2, 9^2, 18^6\})$	6018624
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^2, 18^6\})$	3009312
18	$\mathcal{O}(0; \{2^2, 9^5, 18^6\})$	40271418
18	$\mathcal{O}(0; \{2^9, 18^7\})$	30618

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 3^3, 18^7\})$	244944
18	$\mathcal{O}(0; \{2, 3^6, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2^6, 3, 6, 18^7\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 18^7\})$	979776
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 18^7\})$	489888
18	$\mathcal{O}(0; \{2^4, 6^3, 18^7\})$	244944
18	$\mathcal{O}(0; \{3^3, 6^3, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2, 3, 6^4, 18^7\})$	979776
18	$\mathcal{O}(0; \{2, 3^2, 9^3, 18^7\})$	26926344
18	$\mathcal{O}(0; \{2^2, 6, 9^3, 18^7\})$	13463172
18	$\mathcal{O}(0; \{2^4, 3, 9, 18^8\})$	2230740
18	$\mathcal{O}(0; \{3^4, 9, 18^8\})$	17845920
18	$\mathcal{O}(0; \{2, 3^2, 6, 9, 18^8\})$	8922960
18	$\mathcal{O}(0; \{2^2, 6^2, 9, 18^8\})$	4461480
18	$\mathcal{O}(0; \{9^4, 18^8\})$	241982802
18	$\mathcal{O}(0; \{6, 9^2, 18^9\})$	80542836
18	$\mathcal{O}(0; \{2^2, 3, 18^{10}\})$	13463172
18	$\mathcal{O}(0; \{6^2, 18^{10}\})$	26926344
19	$\mathcal{O}(2; \{19^7\})$	4199217076026
20	$\mathcal{O}(4; \{2, 5, 10\})$	102000000000
20	$\mathcal{O}(3; \{2^2, 5^4\})$	3276000000
20	$\mathcal{O}(3; \{2^5, 5, 10\})$	252000000
20	$\mathcal{O}(3; \{2^2, 4^2, 5, 10\})$	512000000
20	$\mathcal{O}(3; \{5^3, 10^2\})$	12852000000
20	$\mathcal{O}(3; \{2^3, 10^3\})$	756000000
20	$\mathcal{O}(3; \{4^2, 10^3\})$	1536000000
20	$\mathcal{O}(3; \{4, 5^2, 10, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^3, 5, 20^2\})$	1536000000
20	$\mathcal{O}(3; \{4^2, 5, 20^2\})$	6144000000
20	$\mathcal{O}(3; \{2, 10^2, 20^2\})$	6656000000
20	$\mathcal{O}(2; \{2^6, 5^4\})$	7800000
20	$\mathcal{O}(2; \{2^3, 4^2, 5^4\})$	16640000
20	$\mathcal{O}(2; \{4^4, 5^4\})$	66560000
20	$\mathcal{O}(2; \{2^9, 5, 10\})$	600000
20	$\mathcal{O}(2; \{2^6, 4^2, 5, 10\})$	1280000
20	$\mathcal{O}(2; \{2^3, 4^4, 5, 10\})$	5120000
20	$\mathcal{O}(2; \{4^6, 5, 10\})$	20480000
20	$\mathcal{O}(2; \{2, 5^6, 10\})$	491400000
20	$\mathcal{O}(2; \{2^4, 5^3, 10^2\})$	30600000
20	$\mathcal{O}(2; \{2, 4^2, 5^3, 10^2\})$	65280000
20	$\mathcal{O}(2; \{2^7, 10^3\})$	1800000
20	$\mathcal{O}(2; \{2^4, 4^2, 10^3\})$	3840000
20	$\mathcal{O}(2; \{2, 4^4, 10^3\})$	15360000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^2, 5^2, 10^4\})$	123000000
20	$\mathcal{O}(2; \{5, 10^6\})$	491400000
20	$\mathcal{O}(2; \{2, 4, 5^5, 20\})$	262400000
20	$\mathcal{O}(2; \{2^4, 4, 5^2, 10, 20\})$	16640000
20	$\mathcal{O}(2; \{2, 4^3, 5^2, 10, 20\})$	66560000
20	$\mathcal{O}(2; \{2^2, 4, 5, 10^3, 20\})$	65280000
20	$\mathcal{O}(2; \{4, 10^5, 20\})$	262400000
20	$\mathcal{O}(2; \{2^7, 5, 20^2\})$	3840000
20	$\mathcal{O}(2; \{2^4, 4^2, 5, 20^2\})$	15360000
20	$\mathcal{O}(2; \{2, 4^4, 5, 20^2\})$	61440000
20	$\mathcal{O}(2; \{2^2, 5^3, 10, 20^2\})$	262400000
20	$\mathcal{O}(2; \{2^5, 10^2, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^2, 10^2, 20^2\})$	66560000
20	$\mathcal{O}(2; \{5^2, 10^3, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^2, 4, 5^2, 20^3\})$	261120000
20	$\mathcal{O}(2; \{4, 5, 10^2, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{5^3, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{2^3, 10, 20^4\})$	261120000
20	$\mathcal{O}(2; \{4^2, 10, 20^4\})$	1044480000
20	$\mathcal{O}(2; \{2, 20^6\})$	4198400000
20	$\mathcal{O}(1; \{2^{10}, 5^4\})$	15600
20	$\mathcal{O}(1; \{2^7, 4^2, 5^4\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^4, 5^4\})$	166400
20	$\mathcal{O}(1; \{2, 4^6, 5^4\})$	665600
20	$\mathcal{O}(1; \{2^2, 5^9\})$	15728400
20	$\mathcal{O}(1; \{2^{13}, 5, 10\})$	1200
20	$\mathcal{O}(1; \{2^{10}, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{2^7, 4^4, 5, 10\})$	12800
20	$\mathcal{O}(1; \{2^4, 4^6, 5, 10\})$	51200
20	$\mathcal{O}(1; \{2, 4^8, 5, 10\})$	204800
20	$\mathcal{O}(1; \{2^5, 5^6, 10\})$	982800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^6, 10\})$	2620800
20	$\mathcal{O}(1; \{2^8, 5^3, 10^2\})$	61200
20	$\mathcal{O}(1; \{2^5, 4^2, 5^3, 10^2\})$	163200
20	$\mathcal{O}(1; \{2^2, 4^4, 5^3, 10^2\})$	652800
20	$\mathcal{O}(1; \{5^8, 10^2\})$	62914800
20	$\mathcal{O}(1; \{2^{11}, 10^3\})$	3600
20	$\mathcal{O}(1; \{2^8, 4^2, 10^3\})$	9600
20	$\mathcal{O}(1; \{2^5, 4^4, 10^3\})$	38400
20	$\mathcal{O}(1; \{2^2, 4^6, 10^3\})$	153600
20	$\mathcal{O}(1; \{2^3, 5^5, 10^3\})$	3932400
20	$\mathcal{O}(1; \{4^2, 5^5, 10^3\})$	10486400
20	$\mathcal{O}(1; \{2^6, 5^2, 10^4\})$	246000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^3, 4^2, 5^2, 10^4\})$	656000
20	$\mathcal{O}(1; \{4^4, 5^2, 10^4\})$	2624000
20	$\mathcal{O}(1; \{2, 5^4, 10^5\})$	15728400
20	$\mathcal{O}(1; \{2^4, 5, 10^6\})$	982800
20	$\mathcal{O}(1; \{2, 4^2, 5, 10^6\})$	2620800
20	$\mathcal{O}(1; \{2^2, 10^8\})$	3932400
20	$\mathcal{O}(1; \{2^5, 4, 5^5, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^5, 20\})$	2624000
20	$\mathcal{O}(1; \{2^8, 4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^3, 5^2, 10, 20\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^5, 5^2, 10, 20\})$	665600
20	$\mathcal{O}(1; \{4, 5^7, 10, 20\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4, 5^4, 10^2, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5^4, 10^2, 20\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4, 5, 10^3, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^3, 5, 10^3, 20\})$	652800
20	$\mathcal{O}(1; \{4^5, 5, 10^3, 20\})$	2611200
20	$\mathcal{O}(1; \{2, 4, 5^3, 10^4, 20\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4, 10^5, 20\})$	656000
20	$\mathcal{O}(1; \{2, 4^3, 10^5, 20\})$	2624000
20	$\mathcal{O}(1; \{2^{11}, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^8, 4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^5, 4^4, 5, 20^2\})$	153600
20	$\mathcal{O}(1; \{2^2, 4^6, 5, 20^2\})$	614400
20	$\mathcal{O}(1; \{2^3, 5^6, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5^6, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^6, 5^3, 10, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^2, 5^3, 10, 20^2\})$	2624000
20	$\mathcal{O}(1; \{4^4, 5^3, 10, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^9, 10^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^2, 10^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^4, 10^2, 20^2\})$	665600
20	$\mathcal{O}(1; \{4^6, 10^2, 20^2\})$	2662400
20	$\mathcal{O}(1; \{2, 5^5, 10^2, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 5^2, 10^3, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 10^3, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^2, 5, 10^5, 20^2\})$	10486400
20	$\mathcal{O}(1; \{10^7, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^6, 4, 5^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^3, 4^3, 5^2, 20^3\})$	2611200
20	$\mathcal{O}(1; \{4^5, 5^2, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2, 4, 5^4, 10, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^4, 4, 5, 10^2, 20^3\})$	2624000

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 4^3, 5, 10^2, 20^3\})$	10496000
20	$\mathcal{O}(1; \{2^2, 4, 10^4, 20^3\})$	10483200
20	$\mathcal{O}(1; \{2^4, 5^3, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2, 4^2, 5^3, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^7, 10, 20^4\})$	652800
20	$\mathcal{O}(1; \{2^4, 4^2, 10, 20^4\})$	2611200
20	$\mathcal{O}(1; \{2, 4^4, 10, 20^4\})$	10444800
20	$\mathcal{O}(1; \{2^2, 5^2, 10^2, 20^4\})$	41945600
20	$\mathcal{O}(1; \{5, 10^4, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^2, 4, 5, 10, 20^5\})$	41932800
20	$\mathcal{O}(1; \{4, 10^3, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^5, 20^6\})$	10496000
20	$\mathcal{O}(1; \{2^2, 4^2, 20^6\})$	41984000
20	$\mathcal{O}(1; \{5^2, 10, 20^6\})$	671078400
20	$\mathcal{O}(1; \{4, 5, 20^7\})$	671129600
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2^8, 4^4, 5^4\})$	416
20	$\mathcal{O}(0; \{2^5, 4^6, 5^4\})$	1664
20	$\mathcal{O}(0; \{2^2, 4^8, 5^4\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^2, 5^9\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^9\})$	419424
20	$\mathcal{O}(0; \{2^{14}, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^{11}, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2^8, 4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{2^5, 4^8, 5, 10\})$	512
20	$\mathcal{O}(0; \{2^2, 4^{10}, 5, 10\})$	2048
20	$\mathcal{O}(0; \{2^6, 4^2, 5^6, 10\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 5^6, 10\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^6, 10\})$	104832
20	$\mathcal{O}(0; \{2^9, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 5^3, 10^2\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 5^3, 10^2\})$	6528
20	$\mathcal{O}(0; \{4^8, 5^3, 10^2\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^8, 10^2\})$	419432
20	$\mathcal{O}(0; \{2^{12}, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2^9, 4^4, 10^3\})$	96
20	$\mathcal{O}(0; \{2^6, 4^6, 10^3\})$	384
20	$\mathcal{O}(0; \{2^3, 4^8, 10^3\})$	1536
20	$\mathcal{O}(0; \{4^{10}, 10^3\})$	6144
20	$\mathcal{O}(0; \{2^4, 4^2, 5^5, 10^3\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^5, 10^3\})$	104864
20	$\mathcal{O}(0; \{2^7, 4^2, 5^2, 10^4\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^4, 5^2, 10^4\})$	6560

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^6, 5^2, 10^4\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 10^5\})$	104856
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10^6\})$	6552
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10^6\})$	26208
20	$\mathcal{O}(0; \{4^2, 5^3, 10^7\})$	419432
20	$\mathcal{O}(0; \{2^3, 4^2, 10^8\})$	26216
20	$\mathcal{O}(0; \{4^4, 10^8\})$	104864
20	$\mathcal{O}(0; \{2^9, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 5^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^5, 5^5, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 5^5, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^{10}, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^9, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{2^6, 4^5, 5^2, 10, 20\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^7, 5^2, 10, 20\})$	6656
20	$\mathcal{O}(0; \{4^9, 5^2, 10, 20\})$	26624
20	$\mathcal{O}(0; \{2^4, 4, 5^7, 10, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^7, 10, 20\})$	419424
20	$\mathcal{O}(0; \{2^7, 4, 5^4, 10^2, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5^4, 10^2, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5^4, 10^2, 20\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{2^7, 4^3, 5, 10^3, 20\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^5, 5, 10^3, 20\})$	6528
20	$\mathcal{O}(0; \{2, 4^7, 5, 10^3, 20\})$	26112
20	$\mathcal{O}(0; \{2^2, 4, 5^6, 10^3, 20\})$	419432
20	$\mathcal{O}(0; \{2^5, 4, 5^3, 10^4, 20\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^3, 5^3, 10^4, 20\})$	104864
20	$\mathcal{O}(0; \{2^8, 4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^3, 10^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^5, 10^5, 20\})$	26240
20	$\mathcal{O}(0; \{4, 5^5, 10^5, 20\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10^6, 20\})$	104856
20	$\mathcal{O}(0; \{4^3, 5^2, 10^6, 20\})$	419424
20	$\mathcal{O}(0; \{2, 4, 5, 10^8, 20\})$	419432
20	$\mathcal{O}(0; \{2^{15}, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2^9, 4^4, 5, 20^2\})$	384
20	$\mathcal{O}(0; \{2^6, 4^6, 5, 20^2\})$	1536
20	$\mathcal{O}(0; \{2^3, 4^8, 5, 20^2\})$	6144
20	$\mathcal{O}(0; \{4^{10}, 5, 20^2\})$	24576
20	$\mathcal{O}(0; \{2^7, 5^6, 20^2\})$	26216

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^4, 4^2, 5^6, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5^6, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^{10}, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^2, 5^3, 10, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^4, 5^3, 10, 20^2\})$	26240
20	$\mathcal{O}(0; \{2, 4^6, 5^3, 10, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^2, 5^8, 10, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^{13}, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2^7, 4^4, 10^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^6, 10^2, 20^2\})$	6656
20	$\mathcal{O}(0; \{2, 4^8, 10^2, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^5, 5^5, 10^2, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^5, 10^2, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^8, 5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 10^3, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 10^3, 20^2\})$	104832
20	$\mathcal{O}(0; \{5^7, 10^3, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^3, 5^4, 10^4, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5^4, 10^4, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^6, 5, 10^5, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^5, 20^2\})$	104864
20	$\mathcal{O}(0; \{4^4, 5, 10^5, 20^2\})$	419456
20	$\mathcal{O}(0; \{2, 5^3, 10^6, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^4, 10^7, 20^2\})$	104856
20	$\mathcal{O}(0; \{2, 4^2, 10^7, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^{10}, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^3, 5^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^4, 4^5, 5^2, 20^3\})$	26112
20	$\mathcal{O}(0; \{2, 4^7, 5^2, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^2, 4, 5^7, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^5, 4, 5^4, 10, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 5^4, 10, 20^3\})$	419456
20	$\mathcal{O}(0; \{2^8, 4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^3, 5, 10^2, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^5, 5, 10^2, 20^3\})$	104960
20	$\mathcal{O}(0; \{4, 5^6, 10^2, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 10^3, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 5^3, 10^3, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^6, 4, 10^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^3, 10^4, 20^3\})$	104832
20	$\mathcal{O}(0; \{4^5, 10^4, 20^3\})$	419328
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^5, 20^3\})$	1677728

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^8, 5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3, 20^4\})$	419328
20	$\mathcal{O}(0; \{5^8, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^{11}, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^8, 4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^5, 4^4, 10, 20^4\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^6, 10, 20^4\})$	104448
20	$\mathcal{O}(0; \{2^3, 5^5, 10, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 5^5, 10, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^6, 5^2, 10^2, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^2, 20^4\})$	419456
20	$\mathcal{O}(0; \{4^4, 5^2, 10^2, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2, 5^4, 10^3, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^4, 5, 10^4, 20^4\})$	419424
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^4, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^2, 10^6, 20^4\})$	1677728
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 20^5\})$	1677696
20	$\mathcal{O}(0; \{4^3, 5^4, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^6, 4, 5, 10, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10, 20^5\})$	419328
20	$\mathcal{O}(0; \{4^5, 5, 10, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^2, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^4, 4, 10^3, 20^5\})$	419456
20	$\mathcal{O}(0; \{2, 4^3, 10^3, 20^5\})$	1677824
20	$\mathcal{O}(0; \{2^9, 20^6\})$	26240
20	$\mathcal{O}(0; \{2^6, 4^2, 20^6\})$	104960
20	$\mathcal{O}(0; \{2^3, 4^4, 20^6\})$	419840
20	$\mathcal{O}(0; \{4^6, 20^6\})$	1679360
20	$\mathcal{O}(0; \{2, 5^5, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^4, 5^2, 10, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10, 20^6\})$	6710784
20	$\mathcal{O}(0; \{2^2, 5, 10^3, 20^6\})$	6710912
20	$\mathcal{O}(0; \{10^5, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^4, 4, 5, 20^7\})$	1677824
20	$\mathcal{O}(0; \{2, 4^3, 5, 20^7\})$	6711296
20	$\mathcal{O}(0; \{2^2, 4, 10^2, 20^7\})$	6710784
20	$\mathcal{O}(0; \{2^2, 5^2, 20^8\})$	26843648
20	$\mathcal{O}(0; \{5, 10^2, 20^8\})$	107374080
20	$\mathcal{O}(0; \{4, 10, 20^9\})$	107374592
21	$\mathcal{O}(3; \{3^3, 7, 21\})$	3087580356
21	$\mathcal{O}(3; \{21^4\})$	95714991036
21	$\mathcal{O}(2; \{3^6, 7, 21\})$	49009212

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(2; \{3^2, 7^3, 21^2\})$	1295243460
21	$\mathcal{O}(2; \{3^3, 21^4\})$	1519285572
21	$\mathcal{O}(1; \{3^4, 7^6\})$	17638236
21	$\mathcal{O}(1; \{3^9, 7, 21\})$	904932
21	$\mathcal{O}(1; \{3^5, 7^3, 21^2\})$	20559420
21	$\mathcal{O}(1; \{3, 7^5, 21^3\})$	634897116
21	$\mathcal{O}(1; \{3^6, 21^4\})$	28052892
21	$\mathcal{O}(1; \{3^2, 7^2, 21^5\})$	740694780
21	$\mathcal{O}(0; \{3^7, 7^6\})$	279972
21	$\mathcal{O}(0; \{3^{12}, 7, 21\})$	16380
21	$\mathcal{O}(0; \{3^3, 7^8, 21\})$	8638020
21	$\mathcal{O}(0; \{3^8, 7^3, 21^2\})$	379620
21	$\mathcal{O}(0; \{3^4, 7^5, 21^3\})$	10077732
21	$\mathcal{O}(0; \{3^9, 21^4\})$	507780
21	$\mathcal{O}(0; \{7^7, 21^4\})$	310968900
21	$\mathcal{O}(0; \{3^5, 7^2, 21^5\})$	13676580
21	$\mathcal{O}(0; \{3, 7^4, 21^6\})$	362797092
21	$\mathcal{O}(0; \{3^2, 7, 21^8\})$	492367140
22	$\mathcal{O}(2; \{11^6\})$	19965199650
22	$\mathcal{O}(1; \{2^4, 11^6\})$	44000440
22	$\mathcal{O}(1; \{2^2, 11^5, 22^2\})$	439999560
22	$\mathcal{O}(1; \{11^4, 22^4\})$	4400000440
22	$\mathcal{O}(0; \{2^8, 11^6\})$	90910
22	$\mathcal{O}(0; \{2^6, 11^5, 22^2\})$	909090
22	$\mathcal{O}(0; \{2^4, 11^4, 22^4\})$	9090910
22	$\mathcal{O}(0; \{2^2, 11^3, 22^6\})$	90909090
22	$\mathcal{O}(0; \{11^2, 22^8\})$	909090910
24	$\mathcal{O}(3; \{3^2, 4^2\})$	752467968
24	$\mathcal{O}(3; \{2, 3, 4, 12\})$	752467968
24	$\mathcal{O}(3; \{2^2, 12^2\})$	752467968
24	$\mathcal{O}(3; \{12, 24^2\})$	3057647616
24	$\mathcal{O}(2; \{2^4, 3^2, 4^2\})$	1244160
24	$\mathcal{O}(2; \{3^5, 4^2\})$	6220800
24	$\mathcal{O}(2; \{2, 3^2, 4^4\})$	4976640
24	$\mathcal{O}(2; \{2, 3^3, 4^2, 6\})$	3732480
24	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^2\})$	1244160
24	$\mathcal{O}(2; \{4^2, 6^4\})$	3732480
24	$\mathcal{O}(2; \{2^2, 3^2, 4, 8^2\})$	5308416
24	$\mathcal{O}(2; \{3, 4, 6^2, 8^2\})$	5308416
24	$\mathcal{O}(2; \{3^2, 8^4\})$	42467328
24	$\mathcal{O}(2; \{2^5, 3, 4, 12\})$	1244160
24	$\mathcal{O}(2; \{2, 3^4, 4, 12\})$	6220800
24	$\mathcal{O}(2; \{2^2, 3, 4^3, 12\})$	4976640

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^2, 3^2, 4, 6, 12\})$	3732480
24	$\mathcal{O}(2; \{2^3, 4, 6^2, 12\})$	1244160
24	$\mathcal{O}(2; \{4^3, 6^2, 12\})$	4976640
24	$\mathcal{O}(2; \{3, 4, 6^3, 12\})$	6220800
24	$\mathcal{O}(2; \{2^3, 3, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{3, 4^2, 8^2, 12\})$	21233664
24	$\mathcal{O}(2; \{3^2, 6, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2, 6^2, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{2^6, 12^2\})$	1244160
24	$\mathcal{O}(2; \{2^2, 3^3, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2^3, 4^2, 12^2\})$	4976640
24	$\mathcal{O}(2; \{4^4, 12^2\})$	19906560
24	$\mathcal{O}(2; \{2^3, 3, 6, 12^2\})$	3732480
24	$\mathcal{O}(2; \{3, 4^2, 6, 12^2\})$	14929920
24	$\mathcal{O}(2; \{3^2, 6^2, 12^2\})$	13685760
24	$\mathcal{O}(2; \{2, 6^3, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2, 4, 8^2, 12^2\})$	21233664
24	$\mathcal{O}(2; \{3^2, 4, 12^3\})$	24883200
24	$\mathcal{O}(2; \{2, 4, 6, 12^3\})$	14929920
24	$\mathcal{O}(2; \{2, 3, 12^4\})$	24883200
24	$\mathcal{O}(2; \{2^2, 3^3, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{2^3, 3, 6, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{3, 4^2, 6, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{3^2, 6^2, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{2, 6^3, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{3^2, 4, 8, 12, 24\})$	31850496
24	$\mathcal{O}(2; \{2, 4, 6, 8, 12, 24\})$	10616832
24	$\mathcal{O}(2; \{2, 3, 8, 12^2, 24\})$	31850496
24	$\mathcal{O}(2; \{2^3, 3, 4, 24^2\})$	5308416
24	$\mathcal{O}(2; \{3, 4^3, 24^2\})$	21233664
24	$\mathcal{O}(2; \{3^2, 4, 6, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2, 4, 6^2, 24^2\})$	15925248
24	$\mathcal{O}(2; \{2, 3, 8^2, 24^2\})$	42467328
24	$\mathcal{O}(2; \{2^4, 12, 24^2\})$	5308416
24	$\mathcal{O}(2; \{3^3, 12, 24^2\})$	58392576
24	$\mathcal{O}(2; \{2, 4^2, 12, 24^2\})$	21233664
24	$\mathcal{O}(2; \{2, 3, 6, 12, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^2, 24^4\})$	127401984
24	$\mathcal{O}(1; \{2^8, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^5, 4^2\})$	8640
24	$\mathcal{O}(1; \{3^8, 4^2\})$	74304
24	$\mathcal{O}(1; \{2^5, 3^2, 4^4\})$	6912
24	$\mathcal{O}(1; \{2, 3^5, 4^4\})$	34560

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^2, 4^6\})$	27648
24	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6\})$	5184
24	$\mathcal{O}(1; \{2, 3^6, 4^2, 6\})$	36288
24	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6\})$	20736
24	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^2\})$	19008
24	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^2\})$	6912
24	$\mathcal{O}(1; \{3, 4^6, 6^2\})$	27648
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^3\})$	8640
24	$\mathcal{O}(1; \{3^2, 4^4, 6^3\})$	34560
24	$\mathcal{O}(1; \{2^4, 4^2, 6^4\})$	5184
24	$\mathcal{O}(1; \{3^3, 4^2, 6^4\})$	36288
24	$\mathcal{O}(1; \{2, 4^4, 6^4\})$	20736
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^5\})$	19008
24	$\mathcal{O}(1; \{2^6, 3^2, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^5, 4, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 8^2\})$	36864
24	$\mathcal{O}(1; \{3^2, 4^5, 8^2\})$	147456
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 6, 8^2\})$	27648
24	$\mathcal{O}(1; \{3^3, 4^3, 6, 8^2\})$	110592
24	$\mathcal{O}(1; \{2^4, 3, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{3^4, 4, 6^2, 8^2\})$	101376
24	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 8^2\})$	36864
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 4, 6^4, 8^2\})$	27648
24	$\mathcal{O}(1; \{2^4, 3^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{3^5, 8^4\})$	368640
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{2, 3^3, 6, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{6^4, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^9, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2^5, 3^4, 4, 12\})$	8640
24	$\mathcal{O}(1; \{2, 3^7, 4, 12\})$	74304
24	$\mathcal{O}(1; \{2^6, 3, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 12\})$	34560
24	$\mathcal{O}(1; \{2^3, 3, 4^5, 12\})$	27648
24	$\mathcal{O}(1; \{3, 4^7, 12\})$	110592
24	$\mathcal{O}(1; \{2^6, 3^2, 4, 6, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^5, 4, 6, 12\})$	36288
24	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6, 12\})$	20736
24	$\mathcal{O}(1; \{3^2, 4^5, 6, 12\})$	82944
24	$\mathcal{O}(1; \{2^7, 4, 6^2, 12\})$	1728

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^2, 12\})$	19008
24	$\mathcal{O}(1; \{2^4, 4^3, 6^2, 12\})$	6912
24	$\mathcal{O}(1; \{3^3, 4^3, 6^2, 12\})$	76032
24	$\mathcal{O}(1; \{2, 4^5, 6^2, 12\})$	27648
24	$\mathcal{O}(1; \{2^4, 3, 4, 6^3, 12\})$	8640
24	$\mathcal{O}(1; \{3^4, 4, 6^3, 12\})$	74304
24	$\mathcal{O}(1; \{2, 3, 4^3, 6^3, 12\})$	34560
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^4, 12\})$	36288
24	$\mathcal{O}(1; \{2^2, 4, 6^5, 12\})$	19008
24	$\mathcal{O}(1; \{2^7, 3, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^4, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{3^4, 4^2, 8^2, 12\})$	184320
24	$\mathcal{O}(1; \{2, 3, 4^4, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^4, 3^2, 6, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{3^5, 6, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2^5, 6^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2, 3^3, 6^2, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{2^2, 3, 6^3, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{6^5, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^2, 3, 4, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{4, 6^2, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{3, 8^6, 12\})$	2359296
24	$\mathcal{O}(1; \{2^{10}, 12^2\})$	1728
24	$\mathcal{O}(1; \{2^6, 3^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 3^6, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^7, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 12^2\})$	34560
24	$\mathcal{O}(1; \{2^4, 4^4, 12^2\})$	27648
24	$\mathcal{O}(1; \{3^3, 4^4, 12^2\})$	138240
24	$\mathcal{O}(1; \{2, 4^6, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^7, 3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^3, 3^4, 6, 12^2\})$	36288
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 12^2\})$	20736
24	$\mathcal{O}(1; \{3^4, 4^2, 6, 12^2\})$	145152
24	$\mathcal{O}(1; \{2, 3, 4^4, 6, 12^2\})$	82944
24	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 12^2\})$	19008
24	$\mathcal{O}(1; \{3^5, 6^2, 12^2\})$	146880
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 12^2\})$	76032
24	$\mathcal{O}(1; \{2^5, 6^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2, 3^3, 6^3, 12^2\})$	74304

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 12^2\})$	34560
24	$\mathcal{O}(1; \{2^2, 3, 6^4, 12^2\})$	36288
24	$\mathcal{O}(1; \{6^6, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^5, 4, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 4, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2^2, 4^3, 8^2, 12^2\})$	147456
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8^2, 12^2\})$	110592
24	$\mathcal{O}(1; \{4, 6^3, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2^3, 8^4, 12^2\})$	294912
24	$\mathcal{O}(1; \{4^2, 8^4, 12^2\})$	1179648
24	$\mathcal{O}(1; \{3, 6, 8^4, 12^2\})$	884736
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 12^3\})$	34560
24	$\mathcal{O}(1; \{3^5, 4, 12^3\})$	297216
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 12^3\})$	138240
24	$\mathcal{O}(1; \{2^5, 4, 6, 12^3\})$	20736
24	$\mathcal{O}(1; \{2, 3^3, 4, 6, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^2, 4^3, 6, 12^3\})$	82944
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 12^3\})$	76032
24	$\mathcal{O}(1; \{4, 6^4, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^2, 3^2, 8^2, 12^3\})$	184320
24	$\mathcal{O}(1; \{2^3, 6, 8^2, 12^3\})$	110592
24	$\mathcal{O}(1; \{4^2, 6, 8^2, 12^3\})$	442368
24	$\mathcal{O}(1; \{3, 6^2, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{2^5, 3, 12^4\})$	34560
24	$\mathcal{O}(1; \{2, 3^4, 12^4\})$	297216
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 12^4\})$	138240
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 12^4\})$	145152
24	$\mathcal{O}(1; \{2^3, 6^2, 12^4\})$	76032
24	$\mathcal{O}(1; \{4^2, 6^2, 12^4\})$	304128
24	$\mathcal{O}(1; \{3, 6^3, 12^4\})$	297216
24	$\mathcal{O}(1; \{3, 4, 8^2, 12^4\})$	737280
24	$\mathcal{O}(1; \{2^3, 4, 12^5\})$	138240
24	$\mathcal{O}(1; \{4^3, 12^5\})$	552960
24	$\mathcal{O}(1; \{3, 4, 6, 12^5\})$	580608
24	$\mathcal{O}(1; \{2, 8^2, 12^5\})$	737280
24	$\mathcal{O}(1; \{3^2, 12^6\})$	1188864
24	$\mathcal{O}(1; \{2, 6, 12^6\})$	580608
24	$\mathcal{O}(1; \{2^6, 3^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^6, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 8, 24\})$	55296
24	$\mathcal{O}(1; \{3^3, 4^4, 8, 24\})$	221184
24	$\mathcal{O}(1; \{2^7, 3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^4, 6, 8, 24\})$	50688

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3^4, 4^2, 6, 8, 24\})$	202752
24	$\mathcal{O}(1; \{2, 3, 4^4, 6, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 8, 24\})$	23040
24	$\mathcal{O}(1; \{3^5, 6^2, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2^5, 6^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2, 3^3, 6^3, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 8, 24\})$	55296
24	$\mathcal{O}(1; \{2^2, 3, 6^4, 8, 24\})$	50688
24	$\mathcal{O}(1; \{6^6, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2, 3^3, 4, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{4, 6^3, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{3, 6, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{3^5, 4, 8, 12, 24\})$	387072
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 8, 12, 24\})$	221184
24	$\mathcal{O}(1; \{2^5, 4, 6, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 4, 6, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 4^3, 6, 8, 12, 24\})$	73728
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{4, 6^4, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 3^2, 8^3, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^3, 6, 8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{4^2, 6, 8^3, 12, 24\})$	589824
24	$\mathcal{O}(1; \{3, 6^2, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{2^5, 3, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2, 3^4, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 8, 12^2, 24\})$	221184
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 6^2, 8, 12^2, 24\})$	92160
24	$\mathcal{O}(1; \{4^2, 6^2, 8, 12^2, 24\})$	368640
24	$\mathcal{O}(1; \{3, 6^3, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{3, 4, 8^3, 12^2, 24\})$	1769472
24	$\mathcal{O}(1; \{2^3, 4, 8, 12^3, 24\})$	221184
24	$\mathcal{O}(1; \{4^3, 8, 12^3, 24\})$	884736
24	$\mathcal{O}(1; \{3, 4, 6, 8, 12^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 8^3, 12^3, 24\})$	1769472
24	$\mathcal{O}(1; \{3^2, 8, 12^4, 24\})$	1548288
24	$\mathcal{O}(1; \{2, 6, 8, 12^4, 24\})$	811008
24	$\mathcal{O}(1; \{2^7, 3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^4, 4, 24^2\})$	101376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^4, 3, 4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{3^4, 4^3, 24^2\})$	405504
24	$\mathcal{O}(1; \{2, 3, 4^5, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 6, 24^2\})$	46080
24	$\mathcal{O}(1; \{3^5, 4, 6, 24^2\})$	396288
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 6, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^5, 4, 6^2, 24^2\})$	27648
24	$\mathcal{O}(1; \{2, 3^3, 4, 6^2, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^2, 4^3, 6^2, 24^2\})$	110592
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^3, 24^2\})$	101376
24	$\mathcal{O}(1; \{4, 6^5, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^5, 3, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2, 3^4, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 8^2, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^3, 6^2, 8^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{4^2, 6^2, 8^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{3, 6^3, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{3, 4, 8^4, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^8, 12, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^3, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^6, 12, 24^2\})$	783360
24	$\mathcal{O}(1; \{2^5, 4^2, 12, 24^2\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^2, 4^4, 12, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^5, 3, 6, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^4, 6, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6, 12, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^3, 6^3, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{4^2, 6^3, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{3, 6^4, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^3, 4, 8^2, 12, 24^2\})$	294912
24	$\mathcal{O}(1; \{4^3, 8^2, 12, 24^2\})$	1179648
24	$\mathcal{O}(1; \{3, 4, 6, 8^2, 12, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2, 8^4, 12, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 12^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^3, 4, 6, 12^2, 24^2\})$	184320
24	$\mathcal{O}(1; \{4^3, 6, 12^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{3, 4, 6^2, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{3^2, 8^2, 12^2, 24^2\})$	3244032
24	$\mathcal{O}(1; \{2, 6, 8^2, 12^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^3, 3, 12^3, 24^2\})$	405504

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 4^2, 12^3, 24^2\})$	1622016
24	$\mathcal{O}(1; \{3^2, 6, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2, 6^2, 12^3, 24^2\})$	774144
24	$\mathcal{O}(1; \{2, 4, 12^4, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8, 24^3\})$	737280
24	$\mathcal{O}(1; \{2^3, 4, 6, 8, 24^3\})$	442368
24	$\mathcal{O}(1; \{4^3, 6, 8, 24^3\})$	1769472
24	$\mathcal{O}(1; \{3, 4, 6^2, 8, 24^3\})$	1622016
24	$\mathcal{O}(1; \{3^2, 8^3, 24^3\})$	5898240
24	$\mathcal{O}(1; \{2, 6, 8^3, 24^3\})$	3538944
24	$\mathcal{O}(1; \{2^3, 3, 8, 12, 24^3\})$	737280
24	$\mathcal{O}(1; \{3, 4^2, 8, 12, 24^3\})$	2949120
24	$\mathcal{O}(1; \{3^2, 6, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2, 6^2, 8, 12, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2, 4, 8, 12^2, 24^3\})$	2949120
24	$\mathcal{O}(1; \{2^6, 24^4\})$	221184
24	$\mathcal{O}(1; \{2^2, 3^3, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2^3, 4^2, 24^4\})$	884736
24	$\mathcal{O}(1; \{4^4, 24^4\})$	3538944
24	$\mathcal{O}(1; \{2^3, 3, 6, 24^4\})$	811008
24	$\mathcal{O}(1; \{3, 4^2, 6, 24^4\})$	3244032
24	$\mathcal{O}(1; \{3^2, 6^2, 24^4\})$	3170304
24	$\mathcal{O}(1; \{2, 6^3, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2, 4, 8^2, 24^4\})$	7077888
24	$\mathcal{O}(1; \{3^2, 4, 12, 24^4\})$	6193152
24	$\mathcal{O}(1; \{2, 4, 6, 12, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2, 3, 12^2, 24^4\})$	6193152
24	$\mathcal{O}(1; \{2, 3, 8, 24^5\})$	12976128
24	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2^6, 3^5, 4, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^8, 4, 8^2\})$	688
24	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 8^2\})$	320
24	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 8^2\})$	256
24	$\mathcal{O}(0; \{3^5, 4^5, 8^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^2, 4^7, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 6, 8^2\})$	336
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6, 8^2\})$	192
24	$\mathcal{O}(0; \{3^6, 4^3, 6, 8^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 6, 8^2\})$	768
24	$\mathcal{O}(0; \{2^8, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^2, 8^2\})$	176

Continued on next page



Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^7, 4, 6^2, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^2, 8^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^2, 8^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^3, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^3, 8^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^3, 8^2\})$	320
24	$\mathcal{O}(0; \{2^6, 4, 6^4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^4, 8^2\})$	336
24	$\mathcal{O}(0; \{2^3, 4^3, 6^4, 8^2\})$	192
24	$\mathcal{O}(0; \{4^5, 6^4, 8^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^5, 8^2\})$	176
24	$\mathcal{O}(0; \{3, 4^3, 6^5, 8^2\})$	704
24	$\mathcal{O}(0; \{3^2, 4, 6^6, 8^2\})$	688
24	$\mathcal{O}(0; \{2, 4, 6^7, 8^2\})$	336
24	$\mathcal{O}(0; \{2^8, 3^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^4, 3^5, 8^4\})$	640
24	$\mathcal{O}(0; \{3^8, 8^4\})$	5504
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8^4\})$	512
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^6, 6, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8^4\})$	1536
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8^4\})$	640
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^4, 6^4, 8^4\})$	384
24	$\mathcal{O}(0; \{3^3, 6^4, 8^4\})$	2688
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8^4\})$	1536
24	$\mathcal{O}(0; \{2, 3, 6^5, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^6\})$	4096
24	$\mathcal{O}(0; \{3^2, 4^3, 8^6\})$	16384
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^6\})$	12288
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^6\})$	4096
24	$\mathcal{O}(0; \{2, 3^2, 8^8\})$	32768
24	$\mathcal{O}(0; \{2^{11}, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^7, 3^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 3^7, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 8^2, 12\})$	64

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3^7, 4^2, 8^2, 12\})$	2752
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^8, 3^2, 6, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^4, 3^5, 6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^8, 6, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{2^9, 6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^6, 6^2, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^6, 4^2, 6^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^3, 4^4, 6^2, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{4^6, 6^2, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^6, 3, 6^3, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3, 4^4, 6^3, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^2, 4^2, 6^4, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^4, 6^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{3^3, 6^5, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2, 4^2, 6^5, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2, 3, 6^6, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^6, 3, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{3, 4^5, 8^4, 12\})$	8192
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^4, 3, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{3^4, 8^6, 12\})$	20480
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^6, 12\})$	16384
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^2, 6^2, 8^6, 12\})$	4096

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^9, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 3^6, 4, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^6, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2^3, 4^5, 8^2, 12^2\})$	1024
24	$\mathcal{O}(0; \{4^7, 8^2, 12^2\})$	4096
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8^2, 12^2\})$	768
24	$\mathcal{O}(0; \{3, 4^5, 6, 8^2, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^7, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^4, 4^2, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^2, 8^4, 12^2\})$	10240
24	$\mathcal{O}(0; \{2, 4^4, 8^4, 12^2\})$	8192
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{3^4, 6, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^4, 12^2\})$	6144
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2^2, 6^3, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 4, 8^6, 12^2\})$	16384
24	$\mathcal{O}(0; \{8^8, 12^2\})$	131072
24	$\mathcal{O}(0; \{2^6, 3^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^2, 3^5, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8^2, 12^3\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^4, 8^2, 12^3\})$	5120
24	$\mathcal{O}(0; \{2^7, 6, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{2, 4^4, 6, 8^2, 12^3\})$	3072
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{3^4, 6^2, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^2, 6^4, 8^2, 12^3\})$	1344

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^4, 12^3\})$	10240
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^4, 12^3\})$	6144
24	$\mathcal{O}(0; \{6, 8^6, 12^3\})$	49152
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^2, 12^4\})$	1280
24	$\mathcal{O}(0; \{3^4, 4, 8^2, 12^4\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^2, 12^4\})$	5120
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^2, 12^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 8^4, 12^4\})$	10240
24	$\mathcal{O}(0; \{6^2, 8^4, 12^4\})$	22528
24	$\mathcal{O}(0; \{2^5, 8^2, 12^5\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 12^5\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2, 12^5\})$	5376
24	$\mathcal{O}(0; \{6^3, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{4, 8^4, 12^5\})$	40960
24	$\mathcal{O}(0; \{4, 6, 8^2, 12^6\})$	21504
24	$\mathcal{O}(0; \{3, 8^2, 12^7\})$	44032
24	$\mathcal{O}(0; \{2^{10}, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^6, 3^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^9, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 8, 24\})$	384
24	$\mathcal{O}(0; \{3^6, 4^4, 8, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3^3, 4^6, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^{11}, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^7, 3^4, 6, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3^7, 6, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^7, 4^2, 6, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 6, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 6, 8, 24\})$	512
24	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^8, 6^2, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^2, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^2, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^9, 6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 8, 24\})$	168

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^6, 6^3, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^6, 4^2, 6^3, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^3, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^3, 4^4, 6^3, 8, 24\})$	384
24	$\mathcal{O}(0; \{4^6, 6^3, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^6, 3, 6^4, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^4, 8, 24\})$	352
24	$\mathcal{O}(0; \{3, 4^4, 6^4, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^2, 4^2, 6^5, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 6^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{3^3, 6^6, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2, 4^2, 6^6, 8, 24\})$	672
24	$\mathcal{O}(0; \{2, 3, 6^7, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^6, 4, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3, 4^5, 6, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^3, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{3^3, 4^2, 8^5, 24\})$	24576
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{3^4, 6, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{2^2, 6^3, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3^8, 4, 8, 12, 24\})$	5472
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 8, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2^9, 4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6, 8, 12, 24\})$	352

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^6, 4, 6, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^6, 4^3, 6, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 4^5, 6, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{4^7, 6, 8, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^2, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^2, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^2, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{3, 4^5, 6^2, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^3, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3^2, 4^3, 6^3, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 4, 6^4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{3^3, 4, 6^4, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2, 4^3, 6^4, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3, 4, 6^5, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^6, 3^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^5, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8^3, 12, 24\})$	3072
24	$\mathcal{O}(0; \{3^2, 4^4, 8^3, 12, 24\})$	12288
24	$\mathcal{O}(0; \{2^7, 6, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{2, 4^4, 6, 8^3, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{3^4, 6^2, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 6^4, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^5, 12, 24\})$	24576
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^5, 12, 24\})$	8192
24	$\mathcal{O}(0; \{6, 8^7, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^9, 3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{2^5, 3^4, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^7, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 8, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{3, 4^6, 8, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8, 12^2, 24\})$	5632

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 6^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{3^4, 6^3, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^2, 6^5, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^3, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{3^4, 4, 8^3, 12^2, 24\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^3, 12^2, 24\})$	12288
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^3, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 8^5, 12^2, 24\})$	24576
24	$\mathcal{O}(0; \{6^2, 8^5, 12^2, 24\})$	40960
24	$\mathcal{O}(0; \{2^7, 4, 8, 12^3, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 4^3, 8, 12^3, 24\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^3, 8, 12^3, 24\})$	10752
24	$\mathcal{O}(0; \{2, 4^5, 8, 12^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^4, 4, 6, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8, 12^3, 24\})$	5632
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^5, 8^3, 12^3, 24\})$	3072
24	$\mathcal{O}(0; \{2, 3^3, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 12^3, 24\})$	12288
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^3, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{6^3, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{4, 8^5, 12^3, 24\})$	98304
24	$\mathcal{O}(0; \{2^4, 3^2, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{3^5, 8, 12^4, 24\})$	21888
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8, 12^4, 24\})$	10752
24	$\mathcal{O}(0; \{2^5, 6, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^3, 6, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8, 12^4, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8, 12^4, 24\})$	5504
24	$\mathcal{O}(0; \{6^4, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{4, 6, 8^3, 12^4, 24\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 12^5, 24\})$	10752

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4, 6^2, 8, 12^5, 24\})$	22016
24	$\mathcal{O}(0; \{3, 8^3, 12^5, 24\})$	86016
24	$\mathcal{O}(0; \{2^3, 8, 12^6, 24\})$	10752
24	$\mathcal{O}(0; \{4^2, 8, 12^6, 24\})$	43008
24	$\mathcal{O}(0; \{3, 6, 8, 12^6, 24\})$	43520
24	$\mathcal{O}(0; \{2^{11}, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^7, 3^4, 4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^7, 4, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^8, 3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 24^2\})$	704
24	$\mathcal{O}(0; \{3^7, 4^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^5, 3, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4^5, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4^7, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 6, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 6, 24^2\})$	688
24	$\mathcal{O}(0; \{3^8, 4, 6, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 6, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^9, 4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^2, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^6, 4, 6^2, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^6, 4^3, 6^2, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 4^5, 6^2, 24^2\})$	768
24	$\mathcal{O}(0; \{4^7, 6^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^3, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^3, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^3, 24^2\})$	704
24	$\mathcal{O}(0; \{3, 4^5, 6^3, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^4, 24^2\})$	688
24	$\mathcal{O}(0; \{3^2, 4^3, 6^4, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 4, 6^5, 24^2\})$	336
24	$\mathcal{O}(0; \{3^3, 4, 6^5, 24^2\})$	2736
24	$\mathcal{O}(0; \{2, 4^3, 6^5, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3, 4, 6^6, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^9, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3^4, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^7, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 8^2, 24^2\})$	2048

Continued on next page



Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^6, 8^2, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^7, 6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^4, 6^3, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 6^5, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{3^4, 4, 8^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^4, 24^2\})$	16384
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^4, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^2, 3, 8^6, 24^2\})$	32768
24	$\mathcal{O}(0; \{6^2, 8^6, 24^2\})$	98304
24	$\mathcal{O}(0; \{2^{12}, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2^8, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3^6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^9, 12, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^9, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^6, 4^4, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^3, 4^6, 12, 24^2\})$	1024
24	$\mathcal{O}(0; \{4^8, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^9, 3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 3^4, 6, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^7, 6, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{3, 4^6, 6, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^2, 12, 24^2\})$	1344

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^4, 6^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^7, 6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^4, 4^2, 6^3, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{3^3, 4^2, 6^3, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2, 4^4, 6^3, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 3, 6^4, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{3^4, 6^4, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^4, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 3^2, 6^5, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^2, 6^6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^7, 4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^4, 4^3, 8^2, 12, 24^2\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^3, 8^2, 12, 24^2\})$	22528
24	$\mathcal{O}(0; \{2, 4^5, 8^2, 12, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^2, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^5, 8^4, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{2, 3^3, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^2, 4^2, 8^4, 12, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^4, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{6^3, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{4, 8^6, 12, 24^2\})$	131072
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 12^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^2, 4^5, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^7, 4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 4^5, 6, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 3^2, 8^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^5, 8^2, 12^2, 24^2\})$	43520

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^2, 12^2, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^5, 6, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^2, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{6^4, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{4, 6, 8^4, 12^2, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^7, 3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3^4, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 12^3, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^4, 4^2, 12^3, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3, 4^4, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^5, 6, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^5, 6^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 12^3, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{6^5, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 12^3, 24^2\})$	22528
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 12^3, 24^2\})$	43008
24	$\mathcal{O}(0; \{3, 8^4, 12^3, 24^2\})$	180224
24	$\mathcal{O}(0; \{2^5, 4, 12^4, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 3^3, 4, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 4^3, 12^4, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12^4, 24^2\})$	11008
24	$\mathcal{O}(0; \{4, 6^3, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^3, 8^2, 12^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{4^2, 8^2, 12^4, 24^2\})$	90112
24	$\mathcal{O}(0; \{3, 6, 8^2, 12^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2^2, 3^2, 12^5, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^3, 6, 12^5, 24^2\})$	11008
24	$\mathcal{O}(0; \{4^2, 6, 12^5, 24^2\})$	44032
24	$\mathcal{O}(0; \{3, 6^2, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{3, 4, 12^6, 24^2\})$	87040
24	$\mathcal{O}(0; \{2, 12^7, 24^2\})$	87040
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8, 24^3\})$	5120
24	$\mathcal{O}(0; \{3^2, 4^5, 8, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^7, 4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8, 24^3\})$	5376

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{2, 4^5, 6, 8, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{2^4, 3^2, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{3^5, 8^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^3, 24^3\})$	40960
24	$\mathcal{O}(0; \{2^5, 6, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^3, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{6^4, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{4, 6, 8^5, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^7, 3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^4, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8, 12, 24^3\})$	5120
24	$\mathcal{O}(0; \{3^4, 4^2, 8, 12, 24^3\})$	44032
24	$\mathcal{O}(0; \{2, 3, 4^4, 8, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^5, 6, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^5, 6^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8, 12, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{6^5, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^3, 12, 24^3\})$	40960
24	$\mathcal{O}(0; \{4, 6^2, 8^3, 12, 24^3\})$	90112
24	$\mathcal{O}(0; \{3, 8^5, 12, 24^3\})$	327680
24	$\mathcal{O}(0; \{2^5, 4, 8, 12^2, 24^3\})$	5120
24	$\mathcal{O}(0; \{2, 3^3, 4, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^2, 4^3, 8, 12^2, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8, 12^2, 24^3\})$	21504
24	$\mathcal{O}(0; \{4, 6^3, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^3, 8^3, 12^2, 24^3\})$	40960
24	$\mathcal{O}(0; \{4^2, 8^3, 12^2, 24^3\})$	163840
24	$\mathcal{O}(0; \{3, 6, 8^3, 12^2, 24^3\})$	172032
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 12^3, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^3, 6, 8, 12^3, 24^3\})$	21504

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^2, 6, 8, 12^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{3, 6^2, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{3, 4, 8, 12^4, 24^3\})$	176128
24	$\mathcal{O}(0; \{2, 8, 12^5, 24^3\})$	176128
24	$\mathcal{O}(0; \{2^{10}, 24^4\})$	384
24	$\mathcal{O}(0; \{2^6, 3^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^6, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^7, 4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2^4, 4^4, 24^4\})$	6144
24	$\mathcal{O}(0; \{3^3, 4^4, 24^4\})$	43008
24	$\mathcal{O}(0; \{2, 4^6, 24^4\})$	24576
24	$\mathcal{O}(0; \{2^7, 3, 6, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 24^4\})$	10880
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 24^4\})$	5632
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 24^4\})$	43520
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 24^4\})$	5504
24	$\mathcal{O}(0; \{3^5, 6^2, 24^4\})$	43648
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^5, 6^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 24^4\})$	10752
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 24^4\})$	10880
24	$\mathcal{O}(0; \{6^6, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^5, 4, 8^2, 24^4\})$	12288
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 24^4\})$	49152
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^3, 8^4, 24^4\})$	98304
24	$\mathcal{O}(0; \{4^2, 8^4, 24^4\})$	393216
24	$\mathcal{O}(0; \{3, 6, 8^4, 24^4\})$	360448
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{3^5, 4, 12, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 12, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^5, 4, 6, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 12, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{4, 6^4, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12, 24^4\})$	45056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12, 24^4\})$	180224
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^5, 3, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2, 3^4, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 6^2, 12^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{4^2, 6^2, 12^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{3, 6^3, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^2, 24^4\})$	344064
24	$\mathcal{O}(0; \{2^3, 4, 12^3, 24^4\})$	43008
24	$\mathcal{O}(0; \{4^3, 12^3, 24^4\})$	172032
24	$\mathcal{O}(0; \{3, 4, 6, 12^3, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 8^2, 12^3, 24^4\})$	344064
24	$\mathcal{O}(0; \{3^2, 12^4, 24^4\})$	350208
24	$\mathcal{O}(0; \{2, 6, 12^4, 24^4\})$	174080
24	$\mathcal{O}(0; \{2^5, 3, 8, 24^5\})$	22528
24	$\mathcal{O}(0; \{2, 3^4, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 24^5\})$	90112
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 24^5\})$	88064
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 24^5\})$	43008
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 24^5\})$	172032
24	$\mathcal{O}(0; \{3, 6^3, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{3, 4, 8^3, 24^5\})$	720896
24	$\mathcal{O}(0; \{2^3, 4, 8, 12, 24^5\})$	90112
24	$\mathcal{O}(0; \{4^3, 8, 12, 24^5\})$	360448
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12, 24^5\})$	352256
24	$\mathcal{O}(0; \{2, 8^3, 12, 24^5\})$	720896
24	$\mathcal{O}(0; \{3^2, 8, 12^2, 24^5\})$	696320
24	$\mathcal{O}(0; \{2, 6, 8, 12^2, 24^5\})$	352256
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 24^6\})$	176128
24	$\mathcal{O}(0; \{2^3, 4, 6, 24^6\})$	86016
24	$\mathcal{O}(0; \{4^3, 6, 24^6\})$	344064
24	$\mathcal{O}(0; \{3, 4, 6^2, 24^6\})$	348160
24	$\mathcal{O}(0; \{3^2, 8^2, 24^6\})$	1409024
24	$\mathcal{O}(0; \{2, 6, 8^2, 24^6\})$	688128
24	$\mathcal{O}(0; \{2^3, 3, 12, 24^6\})$	176128
24	$\mathcal{O}(0; \{3, 4^2, 12, 24^6\})$	704512
24	$\mathcal{O}(0; \{3^2, 6, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{2, 6^2, 12, 24^6\})$	348160
24	$\mathcal{O}(0; \{2, 4, 12^2, 24^6\})$	704512
24	$\mathcal{O}(0; \{2, 4, 8, 24^7\})$	1376256
24	$\mathcal{O}(0; \{2, 3, 24^8\})$	2785280

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
25	$\mathcal{O}(1; \{5, 25^6\})$	6406250000
26	$\mathcal{O}(2; \{2^3, 13^2, 26\})$	60320832
26	$\mathcal{O}(2; \{2, 13, 26^3\})$	729333696
26	$\mathcal{O}(1; \{2^7, 13^2, 26\})$	89232
26	$\mathcal{O}(1; \{2^5, 13, 26^3\})$	1078896
26	$\mathcal{O}(1; \{2^3, 26^5\})$	12938640
26	$\mathcal{O}(0; \{2^{11}, 13^2, 26\})$	132
26	$\mathcal{O}(0; \{2^9, 13, 26^3\})$	1596
26	$\mathcal{O}(0; \{2^7, 26^5\})$	19140
27	$\mathcal{O}(1; \{3^2, 9, 27^4\})$	76527504
27	$\mathcal{O}(0; \{3^5, 9, 27^4\})$	839808
27	$\mathcal{O}(0; \{3, 9^4, 27^4\})$	11337408
27	$\mathcal{O}(0; \{3^2, 27^7\})$	89282088
28	$\mathcal{O}(3; \{14^2\})$	2846164608
28	$\mathcal{O}(2; \{2^4, 14^2\})$	3457440
28	$\mathcal{O}(2; \{2, 4^2, 14^2\})$	7375872
28	$\mathcal{O}(2; \{2^2, 14, 28^2\})$	36879360
28	$\mathcal{O}(2; \{28^4\})$	914608128
28	$\mathcal{O}(1; \{2^3, 7^4, 14\})$	652680
28	$\mathcal{O}(1; \{4^2, 7^4, 14\})$	1740480
28	$\mathcal{O}(1; \{2^8, 14^2\})$	3528
28	$\mathcal{O}(1; \{2^5, 4^2, 14^2\})$	9408
28	$\mathcal{O}(1; \{2^2, 4^4, 14^2\})$	37632
28	$\mathcal{O}(1; \{2, 7^3, 14^3\})$	3919608
28	$\mathcal{O}(1; \{2^3, 4, 7^2, 14, 28\})$	291648
28	$\mathcal{O}(1; \{4^3, 7^2, 14, 28\})$	1166592
28	$\mathcal{O}(1; \{2, 4, 7, 14^3, 28\})$	1740480
28	$\mathcal{O}(1; \{2, 7^4, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2^6, 14, 28^2\})$	47040
28	$\mathcal{O}(1; \{2^3, 4^2, 14, 28^2\})$	188160
28	$\mathcal{O}(1; \{4^4, 14, 28^2\})$	752640
28	$\mathcal{O}(1; \{2, 4, 7^2, 28^3\})$	6961920
28	$\mathcal{O}(1; \{2^4, 28^4\})$	1166592
28	$\mathcal{O}(1; \{2, 4^2, 28^4\})$	4666368
28	$\mathcal{O}(0; \{2^4, 4^2, 7^4, 14\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 7^4, 14\})$	8880
28	$\mathcal{O}(0; \{2^9, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{2^6, 4^4, 14^2\})$	48
28	$\mathcal{O}(0; \{2^3, 4^6, 14^2\})$	192
28	$\mathcal{O}(0; \{4^8, 14^2\})$	768
28	$\mathcal{O}(0; \{2^2, 4^2, 7^3, 14^3\})$	13332
28	$\mathcal{O}(0; \{4^2, 7^2, 14^5\})$	79980
28	$\mathcal{O}(0; \{2^2, 4, 7^6, 28\})$	79980

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^7, 4, 7^2, 14, 28\})$	372
28	$\mathcal{O}(0; \{2^4, 4^3, 7^2, 14, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4^5, 7^2, 14, 28\})$	5952
28	$\mathcal{O}(0; \{4, 7^5, 14^2, 28\})$	479892
28	$\mathcal{O}(0; \{2^5, 4, 7, 14^3, 28\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^3, 7, 14^3, 28\})$	8880
28	$\mathcal{O}(0; \{2^3, 4, 14^5, 28\})$	13332
28	$\mathcal{O}(0; \{4^3, 14^5, 28\})$	53328
28	$\mathcal{O}(0; \{2^5, 7^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4^2, 7^4, 28^2\})$	53328
28	$\mathcal{O}(0; \{2^{10}, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{2^7, 4^2, 14, 28^2\})$	240
28	$\mathcal{O}(0; \{2^4, 4^4, 14, 28^2\})$	960
28	$\mathcal{O}(0; \{2, 4^6, 14, 28^2\})$	3840
28	$\mathcal{O}(0; \{2^3, 7^3, 14^2, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 7^3, 14^2, 28^2\})$	319920
28	$\mathcal{O}(0; \{2, 7^2, 14^4, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^5, 4, 7^2, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^2, 4^3, 7^2, 28^3\})$	35520
28	$\mathcal{O}(0; \{2^3, 4, 7, 14^2, 28^3\})$	53328
28	$\mathcal{O}(0; \{4^3, 7, 14^2, 28^3\})$	213312
28	$\mathcal{O}(0; \{2, 4, 14^4, 28^3\})$	319920
28	$\mathcal{O}(0; \{2^8, 28^4\})$	1488
28	$\mathcal{O}(0; \{2^5, 4^2, 28^4\})$	5952
28	$\mathcal{O}(0; \{2^2, 4^4, 28^4\})$	23808
28	$\mathcal{O}(0; \{2, 7^3, 14, 28^4\})$	1919568
28	$\mathcal{O}(0; \{2, 4, 7, 14, 28^5\})$	1279680
30	$\mathcal{O}(2; \{6^2, 10^2\})$	6480000
30	$\mathcal{O}(2; \{5, 6, 10, 15\})$	19440000
30	$\mathcal{O}(2; \{5^2, 15^2\})$	78975000
30	$\mathcal{O}(2; \{3, 15^3\})$	54675000
30	$\mathcal{O}(2; \{3, 10, 15, 30\})$	19440000
30	$\mathcal{O}(1; \{3^2, 5^3, 6, 10\})$	93600
30	$\mathcal{O}(1; \{2, 5^3, 6^2, 10\})$	93600
30	$\mathcal{O}(1; \{2^2, 3^4, 10^2\})$	21600
30	$\mathcal{O}(1; \{2^3, 3^2, 6, 10^2\})$	7200
30	$\mathcal{O}(1; \{2^4, 6^2, 10^2\})$	7200
30	$\mathcal{O}(1; \{3^3, 6^2, 10^2\})$	36000
30	$\mathcal{O}(1; \{2, 3, 6^3, 10^2\})$	21600
30	$\mathcal{O}(1; \{3^2, 5^4, 15\})$	275400
30	$\mathcal{O}(1; \{2, 5^4, 6, 15\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 5, 10, 15\})$	21600
30	$\mathcal{O}(1; \{2^4, 5, 6, 10, 15\})$	21600

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{3^3, 5, 6, 10, 15\})$	108000
30	$\mathcal{O}(1; \{2, 3, 5, 6^2, 10, 15\})$	64800
30	$\mathcal{O}(1; \{2, 3^2, 10^3, 15\})$	93600
30	$\mathcal{O}(1; \{2^2, 6, 10^3, 15\})$	93600
30	$\mathcal{O}(1; \{2^4, 5^2, 15^2\})$	93600
30	$\mathcal{O}(1; \{3^3, 5^2, 15^2\})$	351000
30	$\mathcal{O}(1; \{2, 3, 5^2, 6, 15^2\})$	280800
30	$\mathcal{O}(1; \{2^2, 5, 10^2, 15^2\})$	367200
30	$\mathcal{O}(1; \{10^4, 15^2\})$	1476000
30	$\mathcal{O}(1; \{2^4, 3, 15^3\})$	64800
30	$\mathcal{O}(1; \{3^4, 15^3\})$	340200
30	$\mathcal{O}(1; \{2, 3^2, 6, 15^3\})$	237600
30	$\mathcal{O}(1; \{2^2, 6^2, 15^3\})$	108000
30	$\mathcal{O}(1; \{6, 10, 15^4\})$	1836000
30	$\mathcal{O}(1; \{5, 15^5\})$	5535000
30	$\mathcal{O}(1; \{3^3, 5^2, 10, 30\})$	280800
30	$\mathcal{O}(1; \{2, 3, 5^2, 6, 10, 30\})$	93600
30	$\mathcal{O}(1; \{2, 3, 5^3, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2^4, 3, 10, 15, 30\})$	21600
30	$\mathcal{O}(1; \{3^4, 10, 15, 30\})$	237600
30	$\mathcal{O}(1; \{2, 3^2, 6, 10, 15, 30\})$	108000
30	$\mathcal{O}(1; \{2^2, 6^2, 10, 15, 30\})$	64800
30	$\mathcal{O}(1; \{2, 3^2, 5, 15^2, 30\})$	468000
30	$\mathcal{O}(1; \{2^2, 5, 6, 15^2, 30\})$	280800
30	$\mathcal{O}(1; \{6, 10^2, 15^2, 30\})$	1101600
30	$\mathcal{O}(1; \{5, 10, 15^3, 30\})$	4428000
30	$\mathcal{O}(1; \{2, 3^2, 5, 10, 30^2\})$	280800
30	$\mathcal{O}(1; \{2^2, 5, 6, 10, 30^2\})$	93600
30	$\mathcal{O}(1; \{6, 10^3, 30^2\})$	367200
30	$\mathcal{O}(1; \{2^2, 5^2, 15, 30^2\})$	367200
30	$\mathcal{O}(1; \{5, 10^2, 15, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3, 15^2, 30^2\})$	468000
30	$\mathcal{O}(1; \{6^2, 15^2, 30^2\})$	1029600
30	$\mathcal{O}(1; \{2^2, 3, 10, 30^3\})$	280800
30	$\mathcal{O}(1; \{6^2, 10, 30^3\})$	468000
30	$\mathcal{O}(1; \{5, 6, 15, 30^3\})$	1836000
30	$\mathcal{O}(1; \{5^2, 30^4\})$	4428000
30	$\mathcal{O}(1; \{3, 15, 30^4\})$	4039200
30	$\mathcal{O}(0; \{2, 3^2, 5^6, 6\})$	1640
30	$\mathcal{O}(0; \{2^2, 5^6, 6^2\})$	1640
30	$\mathcal{O}(0; \{2^3, 3^4, 5^3, 10\})$	312
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 6, 10\})$	104
30	$\mathcal{O}(0; \{3^5, 5^3, 6, 10\})$	1144

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^5, 5^3, 6^2, 10\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6^2, 10\})$	520
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^3, 10\})$	312
30	$\mathcal{O}(0; \{5^3, 6^5, 10\})$	520
30	$\mathcal{O}(0; \{2^6, 3^4, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^7, 10^2\})$	168
30	$\mathcal{O}(0; \{2^7, 3^2, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{2^3, 3^5, 6, 10^2\})$	88
30	$\mathcal{O}(0; \{2^8, 6^2, 10^2\})$	8
30	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 10^2\})$	40
30	$\mathcal{O}(0; \{3^6, 6^2, 10^2\})$	344
30	$\mathcal{O}(0; \{5^5, 6^2, 10^2\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 6^3, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 6^3, 10^2\})$	168
30	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 10^2\})$	88
30	$\mathcal{O}(0; \{2^3, 6^5, 10^2\})$	40
30	$\mathcal{O}(0; \{3, 6^6, 10^2\})$	168
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 10^3\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 10^3\})$	408
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 10^3\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 10^3\})$	1224
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^5\})$	1640
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^5\})$	1640
30	$\mathcal{O}(0; \{2^4, 3^2, 5^4, 15\})$	408
30	$\mathcal{O}(0; \{2^5, 5^4, 6, 15\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^4, 6, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 6^2, 15\})$	1224
30	$\mathcal{O}(0; \{5^4, 6^4, 15\})$	2040
30	$\mathcal{O}(0; \{2^7, 3^2, 5, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 5, 10, 15\})$	264
30	$\mathcal{O}(0; \{2^8, 5, 6, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 6, 10, 15\})$	120
30	$\mathcal{O}(0; \{3^6, 5, 6, 10, 15\})$	1032
30	$\mathcal{O}(0; \{5^6, 6, 10, 15\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5, 6^2, 10, 15\})$	72
30	$\mathcal{O}(0; \{2, 3^4, 5, 6^2, 10, 15\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^3, 10, 15\})$	264
30	$\mathcal{O}(0; \{2^3, 5, 6^4, 10, 15\})$	120
30	$\mathcal{O}(0; \{3, 5, 6^5, 10, 15\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 10^2, 15\})$	1640
30	$\mathcal{O}(0; \{2^3, 5^3, 6, 10^2, 15\})$	1640
30	$\mathcal{O}(0; \{3, 5^3, 6^2, 10^2, 15\})$	4920
30	$\mathcal{O}(0; \{2^5, 3^2, 10^3, 15\})$	104

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^5, 10^3, 15\})$	1144
30	$\mathcal{O}(0; \{2^6, 6, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 10^3, 15\})$	520
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 10^3, 15\})$	312
30	$\mathcal{O}(0; \{3^2, 6^3, 10^3, 15\})$	1144
30	$\mathcal{O}(0; \{2, 6^4, 10^3, 15\})$	520
30	$\mathcal{O}(0; \{3^2, 5^2, 10^4, 15\})$	6552
30	$\mathcal{O}(0; \{2, 5^2, 6, 10^4, 15\})$	6552
30	$\mathcal{O}(0; \{2^8, 5^2, 15^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 15^2\})$	520
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^2, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 5^2, 6^3, 15^2\})$	520
30	$\mathcal{O}(0; \{3, 5^2, 6^4, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 5^4, 10, 15^2\})$	6552
30	$\mathcal{O}(0; \{3, 5^4, 6, 10, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^6, 5, 10^2, 15^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10^2, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10^2, 15^2\})$	1224
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10^2, 15^2\})$	4488
30	$\mathcal{O}(0; \{2, 5, 6^3, 10^2, 15^2\})$	2040
30	$\mathcal{O}(0; \{2, 5^3, 10^3, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^4, 10^4, 15^2\})$	1640
30	$\mathcal{O}(0; \{3^3, 10^4, 15^2\})$	8200
30	$\mathcal{O}(0; \{2, 3, 6, 10^4, 15^2\})$	4920
30	$\mathcal{O}(0; \{2^8, 3, 15^3\})$	72
30	$\mathcal{O}(0; \{2^4, 3^4, 15^3\})$	504
30	$\mathcal{O}(0; \{2^5, 3^2, 6, 15^3\})$	264
30	$\mathcal{O}(0; \{2, 3^5, 6, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^6, 6^2, 15^3\})$	120
30	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 15^3\})$	1032
30	$\mathcal{O}(0; \{2^3, 3, 6^3, 15^3\})$	504
30	$\mathcal{O}(0; \{3^2, 6^4, 15^3\})$	2040
30	$\mathcal{O}(0; \{2, 6^5, 15^3\})$	1032
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 10, 15^3\})$	4920
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10, 15^3\})$	18040
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10, 15^3\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5, 10^3, 15^3\})$	19656
30	$\mathcal{O}(0; \{2, 5^3, 6, 15^4\})$	32760
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 15^4\})$	4488
30	$\mathcal{O}(0; \{2^4, 6, 10, 15^4\})$	2040
30	$\mathcal{O}(0; \{3^3, 6, 10, 15^4\})$	17544

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 15^4\})$	8568
30	$\mathcal{O}(0; \{2^4, 5, 15^5\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15^5\})$	34440
30	$\mathcal{O}(0; \{2^2, 10^2, 15^5\})$	32760
30	$\mathcal{O}(0; \{2, 3^3, 5^5, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 6, 30\})$	1640
30	$\mathcal{O}(0; \{5^5, 6^3, 30\})$	4920
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 10, 30\})$	312
30	$\mathcal{O}(0; \{3^6, 5^2, 10, 30\})$	2184
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6, 10, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6, 10, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^2, 10, 30\})$	520
30	$\mathcal{O}(0; \{2^3, 5^2, 6^3, 10, 30\})$	312
30	$\mathcal{O}(0; \{3, 5^2, 6^4, 10, 30\})$	1144
30	$\mathcal{O}(0; \{3, 5^4, 6, 10^2, 30\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10^3, 30\})$	1224
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10^3, 30\})$	408
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10^3, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5, 6^3, 10^3, 30\})$	1224
30	$\mathcal{O}(0; \{3^3, 10^5, 30\})$	4920
30	$\mathcal{O}(0; \{2, 3, 6, 10^5, 30\})$	1640
30	$\mathcal{O}(0; \{2^5, 3, 5^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^3, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 6, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^3, 5^3, 6^2, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3, 5^3, 6^3, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^8, 3, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^4, 10, 15, 30\})$	264
30	$\mathcal{O}(0; \{3^7, 10, 15, 30\})$	2040
30	$\mathcal{O}(0; \{3, 5^5, 10, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3^2, 6, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^5, 6, 10, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^6, 6^2, 10, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 10, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 6^3, 10, 15, 30\})$	264
30	$\mathcal{O}(0; \{3^2, 6^4, 10, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2, 6^5, 10, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 10^2, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10^2, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10^2, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2, 3, 5, 10^4, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 3^5, 5, 15^2, 30\})$	4472

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^6, 5, 6, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2, 5, 6^4, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{3^2, 5^3, 10, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2, 5^3, 6, 10, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 10^2, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^4, 6, 10^2, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{3^3, 6, 10^2, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^2, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2, 5^4, 15^3, 30\})$	78648
30	$\mathcal{O}(0; \{2^4, 5, 10, 15^3, 30\})$	4920
30	$\mathcal{O}(0; \{3^3, 5, 10, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{2^2, 10^3, 15^3, 30\})$	19656
30	$\mathcal{O}(0; \{2, 3, 5^2, 15^4, 30\})$	72072
30	$\mathcal{O}(0; \{2, 3^2, 15^5, 30\})$	70520
30	$\mathcal{O}(0; \{2^2, 6, 15^5, 30\})$	34440
30	$\mathcal{O}(0; \{10, 15^6, 30\})$	550536
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^3, 5^4, 6, 30^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^4, 6^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 10, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 3^5, 5, 10, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^6, 5, 6, 10, 30^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 10, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 10, 30^2\})$	520
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 10, 30^2\})$	2184
30	$\mathcal{O}(0; \{2, 5, 6^4, 10, 30^2\})$	1144
30	$\mathcal{O}(0; \{3^2, 5^3, 10^2, 30^2\})$	19656
30	$\mathcal{O}(0; \{2, 5^3, 6, 10^2, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^2, 10^3, 30^2\})$	1224
30	$\mathcal{O}(0; \{2^4, 6, 10^3, 30^2\})$	408
30	$\mathcal{O}(0; \{3^3, 6, 10^3, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^6, 5^2, 15, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{3^2, 5^2, 6^2, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 5^2, 6^3, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 5^4, 10, 15, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^4, 5, 10^2, 15, 30^2\})$	1640

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^3, 5, 10^2, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10^2, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 10^4, 15, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^6, 3, 15^2, 30^2\})$	520
30	$\mathcal{O}(0; \{2^2, 3^4, 15^2, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 15^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^4, 6^2, 15^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{3^3, 6^2, 15^2, 30^2\})$	8840
30	$\mathcal{O}(0; \{2, 3, 6^3, 15^2, 30^2\})$	4472
30	$\mathcal{O}(0; \{2, 3, 5^2, 10, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{2, 3^2, 10, 15^3, 30^2\})$	34440
30	$\mathcal{O}(0; \{2^2, 6, 10, 15^3, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 15^4, 30^2\})$	72072
30	$\mathcal{O}(0; \{10^2, 15^4, 30^2\})$	288376
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 30^3\})$	4920
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 30^3\})$	18040
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^6, 3, 10, 30^3\})$	312
30	$\mathcal{O}(0; \{2^2, 3^4, 10, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10, 30^3\})$	1144
30	$\mathcal{O}(0; \{2^4, 6^2, 10, 30^3\})$	520
30	$\mathcal{O}(0; \{3^3, 6^2, 10, 30^3\})$	4472
30	$\mathcal{O}(0; \{2, 3, 6^3, 10, 30^3\})$	2184
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^2, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 15, 30^3\})$	4488
30	$\mathcal{O}(0; \{2^4, 5, 6, 15, 30^3\})$	2040
30	$\mathcal{O}(0; \{3^3, 5, 6, 15, 30^3\})$	17544
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 15, 30^3\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 10^2, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^2, 6, 10^2, 15, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 10, 15^2, 30^3\})$	32760
30	$\mathcal{O}(0; \{10^3, 15^2, 30^3\})$	131080
30	$\mathcal{O}(0; \{6, 15^4, 30^3\})$	281736
30	$\mathcal{O}(0; \{2^4, 5^2, 30^4\})$	4920
30	$\mathcal{O}(0; \{3^3, 5^2, 30^4\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 30^4\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 10^2, 30^4\})$	19656
30	$\mathcal{O}(0; \{10^4, 30^4\})$	78648
30	$\mathcal{O}(0; \{2^4, 3, 15, 30^4\})$	4488
30	$\mathcal{O}(0; \{3^4, 15, 30^4\})$	34680
30	$\mathcal{O}(0; \{2, 3^2, 6, 15, 30^4\})$	17544
30	$\mathcal{O}(0; \{2^2, 6^2, 15, 30^4\})$	8568
30	$\mathcal{O}(0; \{6, 10, 15^2, 30^4\})$	137592

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5, 15^3, 30^4\})$	550536
30	$\mathcal{O}(0; \{2, 3^2, 5, 30^5\})$	34440
30	$\mathcal{O}(0; \{2^2, 5, 6, 30^5\})$	18040
30	$\mathcal{O}(0; \{6, 10^2, 30^5\})$	72072
30	$\mathcal{O}(0; \{5, 10, 15, 30^5\})$	288376
30	$\mathcal{O}(0; \{2^2, 3, 30^6\})$	34440
30	$\mathcal{O}(0; \{6^2, 30^6\})$	70520
32	$\mathcal{O}(2; \{2, 4, 16^2\})$	15728640
32	$\mathcal{O}(1; \{2^5, 4, 16^2\})$	12288
32	$\mathcal{O}(1; \{2^2, 4^3, 16^2\})$	49152
32	$\mathcal{O}(1; \{2^3, 8^2, 16^2\})$	98304
32	$\mathcal{O}(1; \{4^2, 8^2, 16^2\})$	393216
32	$\mathcal{O}(1; \{2, 8, 16^4\})$	1572864
32	$\mathcal{O}(1; \{2^3, 4, 16, 32^2\})$	262144
32	$\mathcal{O}(1; \{4^3, 16, 32^2\})$	1048576
32	$\mathcal{O}(1; \{2, 8^2, 16, 32^2\})$	2097152
32	$\mathcal{O}(1; \{2, 4, 32^4\})$	8388608
32	$\mathcal{O}(0; \{2^7, 4, 16, 32^2\})$	256
32	$\mathcal{O}(0; \{2^4, 4^3, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{2, 4^5, 16, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^5, 8^2, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 16, 32^2\})$	8192
32	$\mathcal{O}(0; \{4, 8^4, 16, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^3, 8, 16^3, 32^2\})$	32768
32	$\mathcal{O}(0; \{4^2, 8, 16^3, 32^2\})$	131072
32	$\mathcal{O}(0; \{2, 16^5, 32^2\})$	524288
32	$\mathcal{O}(0; \{2^5, 4, 32^4\})$	8192
32	$\mathcal{O}(0; \{2^2, 4^3, 32^4\})$	32768
32	$\mathcal{O}(0; \{2^3, 8^2, 32^4\})$	65536
32	$\mathcal{O}(0; \{4^2, 8^2, 32^4\})$	262144
32	$\mathcal{O}(0; \{2, 8, 16^2, 32^4\})$	1048576
33	$\mathcal{O}(1; \{3^2, 11^4\})$	1981980
33	$\mathcal{O}(0; \{3^5, 11^4\})$	9100
33	$\mathcal{O}(0; \{3^2, 11^3, 33^3\})$	909100
34	$\mathcal{O}(2; \{17^3\})$	300675600
34	$\mathcal{O}(1; \{2^4, 17^3\})$	277440
34	$\mathcal{O}(1; \{2^2, 17^2, 34^2\})$	4457536
34	$\mathcal{O}(1; \{17, 34^4\})$	71302080
34	$\mathcal{O}(0; \{2^8, 17^3\})$	240
34	$\mathcal{O}(0; \{2^6, 17^2, 34^2\})$	3856
34	$\mathcal{O}(0; \{2^4, 17, 34^4\})$	61680
34	$\mathcal{O}(0; \{2^2, 34^6\})$	986896
35	$\mathcal{O}(1; \{5, 35^4\})$	46481400

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
35	$\mathcal{O}(0; \{5^3, 7^5\})$	13320
35	$\mathcal{O}(0; \{5^5, 7^2, 35\})$	24600
35	$\mathcal{O}(0; \{7, 35^6\})$	32791800
36	$\mathcal{O}(2; \{3, 18^2\})$	18895680
36	$\mathcal{O}(1; \{2^2, 9^4\})$	157464
36	$\mathcal{O}(1; \{2, 3^2, 9^2, 18\})$	69984
36	$\mathcal{O}(1; \{2^2, 6, 9^2, 18\})$	34992
36	$\mathcal{O}(1; \{9^2, 12^2, 18\})$	186624
36	$\mathcal{O}(1; \{2^4, 3, 18^2\})$	11664
36	$\mathcal{O}(1; \{3^4, 18^2\})$	93312
36	$\mathcal{O}(1; \{2, 3, 4^2, 18^2\})$	31104
36	$\mathcal{O}(1; \{2, 3^2, 6, 18^2\})$	46656
36	$\mathcal{O}(1; \{2^2, 6^2, 18^2\})$	23328
36	$\mathcal{O}(1; \{9^3, 18^2\})$	787320
36	$\mathcal{O}(1; \{2^2, 4, 12, 18^2\})$	31104
36	$\mathcal{O}(1; \{6, 12^2, 18^2\})$	124416
36	$\mathcal{O}(1; \{6, 9, 18^3\})$	314928
36	$\mathcal{O}(1; \{9^3, 12, 36\})$	839808
36	$\mathcal{O}(1; \{2^2, 4, 9, 18, 36\})$	46656
36	$\mathcal{O}(1; \{6, 9, 12, 18, 36\})$	186624
36	$\mathcal{O}(1; \{4, 18^3, 36\})$	419904
36	$\mathcal{O}(1; \{6, 9^2, 36^2\})$	839808
36	$\mathcal{O}(1; \{2^2, 3, 18, 36^2\})$	93312
36	$\mathcal{O}(1; \{6^2, 18, 36^2\})$	186624
36	$\mathcal{O}(1; \{4, 12, 18, 36^2\})$	373248
36	$\mathcal{O}(1; \{4, 9, 36^3\})$	1679616
36	$\mathcal{O}(1; \{3, 36^4\})$	3359232
36	$\mathcal{O}(0; \{2^3, 4^2, 9^4\})$	324
36	$\mathcal{O}(0; \{4^4, 9^4\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^4\})$	1296
36	$\mathcal{O}(0; \{3^2, 4, 9^4, 12\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6, 9^4, 12\})$	1296
36	$\mathcal{O}(0; \{2, 3, 9^4, 12^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 9^2, 18\})$	144
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 9^2, 18\})$	72
36	$\mathcal{O}(0; \{4^4, 6, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{2^3, 3, 4, 9^2, 12, 18\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^2, 9^2, 12, 18\})$	288
36	$\mathcal{O}(0; \{2^4, 9^2, 12^2, 18\})$	144
36	$\mathcal{O}(0; \{3^3, 9^2, 12^2, 18\})$	1152

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 4^2, 9^2, 12^2, 18\})$	576
36	$\mathcal{O}(0; \{2, 3, 6, 9^2, 12^2, 18\})$	576
36	$\mathcal{O}(0; \{2^5, 3, 4^2, 18^2\})$	24
36	$\mathcal{O}(0; \{2, 3^4, 4^2, 18^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4^4, 18^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 18^2\})$	96
36	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 18^2\})$	48
36	$\mathcal{O}(0; \{4^4, 6^2, 18^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^3, 18^2\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 9^3, 18^2\})$	1620
36	$\mathcal{O}(0; \{2^6, 4, 12, 18^2\})$	24
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{2^3, 4^3, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{4^5, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{3, 4^3, 6, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 4, 6^3, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{2^3, 3^2, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{3^2, 4^2, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2^4, 6, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{3^3, 6, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2, 4^2, 6, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 6^2, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 4, 12^3, 18^2\})$	768
36	$\mathcal{O}(0; \{2^2, 12^4, 18^2\})$	768
36	$\mathcal{O}(0; \{3^2, 4^2, 9, 18^3\})$	1296
36	$\mathcal{O}(0; \{2, 4^2, 6, 9, 18^3\})$	648
36	$\mathcal{O}(0; \{2, 3, 4, 9, 12, 18^3\})$	1296
36	$\mathcal{O}(0; \{2^2, 9, 12^2, 18^3\})$	1296
36	$\mathcal{O}(0; \{12^2, 18^5\})$	6480
36	$\mathcal{O}(0; \{2^3, 3, 4, 9^3, 36\})$	648
36	$\mathcal{O}(0; \{3, 4^3, 9^3, 36\})$	2592
36	$\mathcal{O}(0; \{3^2, 4, 6, 9^3, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6^2, 9^3, 36\})$	1296
36	$\mathcal{O}(0; \{2^4, 9^3, 12, 36\})$	648
36	$\mathcal{O}(0; \{3^3, 9^3, 12, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 9^3, 12, 36\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6, 9^3, 12, 36\})$	2592
36	$\mathcal{O}(0; \{2^6, 4, 9, 18, 36\})$	36
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4^3, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{4^5, 9, 18, 36\})$	576

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 6, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^3, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 3^2, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2^4, 6, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{3^3, 6, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 6, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 6^2, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 4, 9, 12^2, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 9, 12^3, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 18^2, 36\})$	3240
36	$\mathcal{O}(0; \{2^2, 9^2, 12, 18^2, 36\})$	3240
36	$\mathcal{O}(0; \{2^4, 4, 18^3, 36\})$	324
36	$\mathcal{O}(0; \{3^3, 4, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4^3, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3, 4, 6, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{2, 3^2, 12, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 6, 12, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{12^3, 18^3, 36\})$	10368
36	$\mathcal{O}(0; \{9, 12, 18^4, 36\})$	21384
36	$\mathcal{O}(0; \{2^3, 3^2, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{3^2, 4^2, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^4, 6, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{3^3, 6, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6^2, 9^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 12, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 9^2, 12^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^6, 3, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{2^2, 3^4, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 4^2, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4^4, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 3^2, 6, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 6, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^4, 6^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{3^3, 6^2, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 6^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 6^3, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^2, 9^3, 18, 36^2\})$	10692
36	$\mathcal{O}(0; \{2^4, 4, 12, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3^3, 4, 12, 18, 36^2\})$	2304

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 4^3, 12, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 3^2, 12^2, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^2, 6, 12^2, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{12^4, 18, 36^2\})$	9216
36	$\mathcal{O}(0; \{2, 3^2, 9, 18^2, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^2, 6, 9, 18^2, 36^2\})$	3240
36	$\mathcal{O}(0; \{9, 12^2, 18^2, 36^2\})$	25920
36	$\mathcal{O}(0; \{9^2, 18^3, 36^2\})$	61236
36	$\mathcal{O}(0; \{6, 18^4, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^4, 4, 9, 36^3\})$	1296
36	$\mathcal{O}(0; \{3^3, 4, 9, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4^3, 9, 36^3\})$	5184
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 36^3\})$	5184
36	$\mathcal{O}(0; \{2, 3^2, 9, 12, 36^3\})$	10368
36	$\mathcal{O}(0; \{2^2, 6, 9, 12, 36^3\})$	5184
36	$\mathcal{O}(0; \{9, 12^3, 36^3\})$	41472
36	$\mathcal{O}(0; \{9^2, 12, 18, 36^3\})$	85536
36	$\mathcal{O}(0; \{2^2, 4, 18^2, 36^3\})$	6480
36	$\mathcal{O}(0; \{6, 12, 18^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{2^4, 3, 36^4\})$	2592
36	$\mathcal{O}(0; \{3^4, 36^4\})$	20736
36	$\mathcal{O}(0; \{2, 3, 4^2, 36^4\})$	10368
36	$\mathcal{O}(0; \{2, 3^2, 6, 36^4\})$	10368
36	$\mathcal{O}(0; \{2^2, 6^2, 36^4\})$	5184
36	$\mathcal{O}(0; \{9^3, 36^4\})$	244944
36	$\mathcal{O}(0; \{2^2, 4, 12, 36^4\})$	10368
36	$\mathcal{O}(0; \{6, 12^2, 36^4\})$	41472
36	$\mathcal{O}(0; \{6, 9, 18, 36^4\})$	85536
36	$\mathcal{O}(0; \{4, 18, 36^5\})$	171072
38	$\mathcal{O}(1; \{2, 19^3, 38\})$	7979544
38	$\mathcal{O}(0; \{2^5, 19^3, 38\})$	5526
38	$\mathcal{O}(0; \{2^3, 19^2, 38^3\})$	99450
38	$\mathcal{O}(0; \{2, 19, 38^5\})$	1790118
39	$\mathcal{O}(1; \{3^2, 13, 39^2\})$	1204632
39	$\mathcal{O}(0; \{3^5, 13, 39^2\})$	5544
39	$\mathcal{O}(0; \{3^2, 39^5\})$	803880
40	$\mathcal{O}(1; \{2^2, 4^2, 5^2\})$	9600
40	$\mathcal{O}(1; \{4, 5^2, 8^2\})$	51200
40	$\mathcal{O}(1; \{4^2, 5, 10^2\})$	28800
40	$\mathcal{O}(1; \{4, 5^3, 20\})$	124800
40	$\mathcal{O}(1; \{2^3, 4, 10, 20\})$	9600
40	$\mathcal{O}(1; \{4^3, 10, 20\})$	38400

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(1; \{2, 8^2, 10, 20\})$	51200
40	$\mathcal{O}(1; \{2, 5, 10, 20^2\})$	124800
40	$\mathcal{O}(1; \{2, 4, 20^3\})$	115200
40	$\mathcal{O}(1; \{2, 5, 8, 20, 40\})$	153600
40	$\mathcal{O}(1; \{2, 4, 10, 40^2\})$	153600
40	$\mathcal{O}(0; \{2^4, 4, 5^2, 8^2\})$	32
40	$\mathcal{O}(0; \{2, 4^3, 5^2, 8^2\})$	128
40	$\mathcal{O}(0; \{2^2, 5^2, 8^4\})$	256
40	$\mathcal{O}(0; \{2^2, 4, 5, 8^2, 10^2\})$	96
40	$\mathcal{O}(0; \{5, 8^4, 10^2\})$	768
40	$\mathcal{O}(0; \{4, 8^2, 10^4\})$	416
40	$\mathcal{O}(0; \{2^2, 5^3, 8^2, 20\})$	416
40	$\mathcal{O}(0; \{2^5, 8^2, 10, 20\})$	32
40	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 10, 20\})$	128
40	$\mathcal{O}(0; \{4, 8^4, 10, 20\})$	1024
40	$\mathcal{O}(0; \{5^2, 8^2, 10^2, 20\})$	1632
40	$\mathcal{O}(0; \{4, 5, 8^2, 10, 20^2\})$	1664
40	$\mathcal{O}(0; \{2^3, 8^2, 20^3\})$	384
40	$\mathcal{O}(0; \{4^2, 8^2, 20^3\})$	1536
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 8, 10, 40\})$	416
40	$\mathcal{O}(0; \{5^2, 8^3, 10, 40\})$	3328
40	$\mathcal{O}(0; \{4, 5, 8, 10^3, 40\})$	1632
40	$\mathcal{O}(0; \{2^5, 5, 8, 20, 40\})$	96
40	$\mathcal{O}(0; \{2^2, 4^2, 5, 8, 20, 40\})$	384
40	$\mathcal{O}(0; \{4, 5, 8^3, 20, 40\})$	3072
40	$\mathcal{O}(0; \{5^3, 8, 10, 20, 40\})$	6560
40	$\mathcal{O}(0; \{2^3, 8, 10^2, 20, 40\})$	416
40	$\mathcal{O}(0; \{4^2, 8, 10^2, 20, 40\})$	1664
40	$\mathcal{O}(0; \{4, 5^2, 8, 20^2, 40\})$	6528
40	$\mathcal{O}(0; \{2, 8, 10, 20^3, 40\})$	6528
40	$\mathcal{O}(0; \{2^2, 4, 5^3, 40^2\})$	1632
40	$\mathcal{O}(0; \{5^3, 8^2, 40^2\})$	13056
40	$\mathcal{O}(0; \{2^5, 4, 10, 40^2\})$	96
40	$\mathcal{O}(0; \{2^2, 4^3, 10, 40^2\})$	384
40	$\mathcal{O}(0; \{2^3, 8^2, 10, 40^2\})$	768
40	$\mathcal{O}(0; \{4^2, 8^2, 10, 40^2\})$	3072
40	$\mathcal{O}(0; \{4, 5^2, 10^2, 40^2\})$	6560
40	$\mathcal{O}(0; \{5^4, 20, 40^2\})$	26208
40	$\mathcal{O}(0; \{2^3, 5, 10, 20, 40^2\})$	1632
40	$\mathcal{O}(0; \{4^2, 5, 10, 20, 40^2\})$	6528
40	$\mathcal{O}(0; \{2, 10^3, 20, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^3, 4, 20^2, 40^2\})$	1664
40	$\mathcal{O}(0; \{4^3, 20^2, 40^2\})$	6656

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2, 8^2, 20^2, 40^2\})$	13312
40	$\mathcal{O}(0; \{2, 5, 20^3, 40^2\})$	26240
40	$\mathcal{O}(0; \{2^3, 5, 8, 40^3\})$	3328
40	$\mathcal{O}(0; \{4^2, 5, 8, 40^3\})$	13312
40	$\mathcal{O}(0; \{2, 8, 10^2, 40^3\})$	13056
40	$\mathcal{O}(0; \{2, 5, 10, 40^4\})$	52480
40	$\mathcal{O}(0; \{2, 4, 20, 40^4\})$	52224
41	$\mathcal{O}(3; \emptyset)$	4750104240
42	$\mathcal{O}(2; \{21^2\})$	35006580
42	$\mathcal{O}(1; \{3^2, 7^3\})$	79380
42	$\mathcal{O}(1; \{2, 3, 7, 14, 21\})$	105840
42	$\mathcal{O}(1; \{2^4, 21^2\})$	21168
42	$\mathcal{O}(1; \{3^3, 21^2\})$	79380
42	$\mathcal{O}(1; \{2, 3, 6, 21^2\})$	63504
42	$\mathcal{O}(1; \{3^3, 14, 42\})$	63504
42	$\mathcal{O}(1; \{2, 3, 6, 14, 42\})$	21168
42	$\mathcal{O}(1; \{2^2, 21, 42^2\})$	105840
42	$\mathcal{O}(1; \{42^4\})$	1968624
42	$\mathcal{O}(0; \{2^4, 3^2, 7^3\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 7^3\})$	180
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7^3\})$	60
42	$\mathcal{O}(0; \{6^4, 7^3\})$	180
42	$\mathcal{O}(0; \{2^2, 3^2, 7^2, 14^2\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7^2, 14^2\})$	372
42	$\mathcal{O}(0; \{3^2, 7, 14^4\})$	2220
42	$\mathcal{O}(0; \{2^5, 3, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 7, 14, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 7, 14, 21\})$	180
42	$\mathcal{O}(0; \{2^3, 6^2, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{3, 6^3, 7, 14, 21\})$	300
42	$\mathcal{O}(0; \{2^3, 3, 14^3, 21\})$	372
42	$\mathcal{O}(0; \{3^2, 6, 14^3, 21\})$	1116
42	$\mathcal{O}(0; \{2, 6^2, 14^3, 21\})$	372
42	$\mathcal{O}(0; \{2^8, 21^2\})$	12
42	$\mathcal{O}(0; \{2^4, 3^3, 21^2\})$	60
42	$\mathcal{O}(0; \{2^5, 3, 6, 21^2\})$	36
42	$\mathcal{O}(0; \{2, 3^4, 6, 21^2\})$	252
42	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 21^2\})$	132
42	$\mathcal{O}(0; \{2^3, 6^3, 21^2\})$	60
42	$\mathcal{O}(0; \{3, 6^4, 21^2\})$	252
42	$\mathcal{O}(0; \{2, 7^3, 14, 21^2\})$	13332
42	$\mathcal{O}(0; \{2, 6, 7^2, 21^3\})$	6660
42	$\mathcal{O}(0; \{2, 3, 14, 21^4\})$	11100

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3, 6, 7^4, 42\})$	2220
42	$\mathcal{O}(0; \{2^4, 3^3, 14, 42\})$	36
42	$\mathcal{O}(0; \{3^6, 14, 42\})$	252
42	$\mathcal{O}(0; \{2^5, 3, 6, 14, 42\})$	12
42	$\mathcal{O}(0; \{2, 3^4, 6, 14, 42\})$	132
42	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 14, 42\})$	60
42	$\mathcal{O}(0; \{2^3, 6^3, 14, 42\})$	36
42	$\mathcal{O}(0; \{3, 6^4, 14, 42\})$	132
42	$\mathcal{O}(0; \{3^2, 7^2, 14, 21, 42\})$	6660
42	$\mathcal{O}(0; \{2, 6, 7^2, 14, 21, 42\})$	2220
42	$\mathcal{O}(0; \{2^3, 3, 7, 21^2, 42\})$	1116
42	$\mathcal{O}(0; \{3^2, 6, 7, 21^2, 42\})$	4092
42	$\mathcal{O}(0; \{2, 6^2, 7, 21^2, 42\})$	1860
42	$\mathcal{O}(0; \{2, 3, 14^2, 21^2, 42\})$	6660
42	$\mathcal{O}(0; \{2^3, 3, 7, 14, 42^2\})$	372
42	$\mathcal{O}(0; \{3^2, 6, 7, 14, 42^2\})$	1860
42	$\mathcal{O}(0; \{2, 6^2, 7, 14, 42^2\})$	1116
42	$\mathcal{O}(0; \{2, 3, 14^3, 42^2\})$	2220
42	$\mathcal{O}(0; \{2^6, 21, 42^2\})$	60
42	$\mathcal{O}(0; \{2^2, 3^3, 21, 42^2\})$	660
42	$\mathcal{O}(0; \{2^3, 3, 6, 21, 42^2\})$	300
42	$\mathcal{O}(0; \{3^2, 6^2, 21, 42^2\})$	1260
42	$\mathcal{O}(0; \{2, 6^3, 21, 42^2\})$	660
42	$\mathcal{O}(0; \{2, 3, 7, 21, 42^3\})$	11100
42	$\mathcal{O}(0; \{2^4, 42^4\})$	1116
42	$\mathcal{O}(0; \{3^3, 42^4\})$	7812
42	$\mathcal{O}(0; \{2, 3, 6, 42^4\})$	4092
44	$\mathcal{O}(1; \{2^2, 11^3\})$	130680
44	$\mathcal{O}(1; \{11^2, 22^2\})$	1321320
44	$\mathcal{O}(0; \{2^3, 4^2, 11^3\})$	180
44	$\mathcal{O}(0; \{4^4, 11^3\})$	720
44	$\mathcal{O}(0; \{2, 4^2, 11^2, 22^2\})$	1820
44	$\mathcal{O}(0; \{2^2, 11^2, 22, 44^2\})$	18180
44	$\mathcal{O}(0; \{11, 22^3, 44^2\})$	181820
44	$\mathcal{O}(0; \{11^2, 44^4\})$	727280
45	$\mathcal{O}(1; \{9^2, 15^2\})$	194400
45	$\mathcal{O}(1; \{5, 9, 45^2\})$	437400
45	$\mathcal{O}(0; \{3, 5^4, 9^2\})$	624
45	$\mathcal{O}(0; \{3^2, 5^2, 9^2, 15\})$	576
45	$\mathcal{O}(0; \{3^3, 9^2, 15^2\})$	768
45	$\mathcal{O}(0; \{3^3, 5, 9, 45^2\})$	1728
45	$\mathcal{O}(0; \{9, 15^3, 45^2\})$	29376
45	$\mathcal{O}(0; \{9^2, 15, 45^3\})$	84240

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
45	$\mathcal{O}(0; \{5, 15, 45^4\})$	265680
48	$\mathcal{O}(1; \{6^2, 8^2\})$	13824
48	$\mathcal{O}(1; \{4, 6, 8, 24\})$	27648
48	$\mathcal{O}(1; \{3, 8, 12, 24\})$	27648
48	$\mathcal{O}(1; \{2^3, 24^2\})$	13824
48	$\mathcal{O}(1; \{4^2, 24^2\})$	55296
48	$\mathcal{O}(1; \{3, 6, 24^2\})$	41472
48	$\mathcal{O}(1; \{3, 6, 16, 48\})$	36864
48	$\mathcal{O}(1; \{2, 24, 48^2\})$	147456
48	$\mathcal{O}(0; \{3^4, 8, 16^2\})$	192
48	$\mathcal{O}(0; \{2, 3^2, 6, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{2^2, 6^2, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{6, 8, 12^2, 16^2\})$	256
48	$\mathcal{O}(0; \{6^2, 16^4\})$	1024
48	$\mathcal{O}(0; \{2, 3^2, 4, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2^2, 4, 6, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{6, 8^2, 16^2, 24\})$	1024
48	$\mathcal{O}(0; \{2^2, 3, 12, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{6^2, 12, 16^2, 24\})$	384
48	$\mathcal{O}(0; \{4, 12^2, 16^2, 24\})$	512
48	$\mathcal{O}(0; \{4, 8, 16^2, 24^2\})$	2048
48	$\mathcal{O}(0; \{3, 16^2, 24^3\})$	3072
48	$\mathcal{O}(0; \{2^3, 3^3, 16, 48\})$	48
48	$\mathcal{O}(0; \{3^3, 4^2, 16, 48\})$	192
48	$\mathcal{O}(0; \{2^4, 3, 6, 16, 48\})$	16
48	$\mathcal{O}(0; \{3^4, 6, 16, 48\})$	176
48	$\mathcal{O}(0; \{2, 3, 4^2, 6, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 3^2, 6^2, 16, 48\})$	80
48	$\mathcal{O}(0; \{2^2, 6^3, 16, 48\})$	48
48	$\mathcal{O}(0; \{2, 3^2, 4, 12, 16, 48\})$	192
48	$\mathcal{O}(0; \{2^2, 4, 6, 12, 16, 48\})$	64
48	$\mathcal{O}(0; \{6, 8^2, 12, 16, 48\})$	512
48	$\mathcal{O}(0; \{2^2, 3, 12^2, 16, 48\})$	192
48	$\mathcal{O}(0; \{6^2, 12^2, 16, 48\})$	320
48	$\mathcal{O}(0; \{4, 12^3, 16, 48\})$	768
48	$\mathcal{O}(0; \{2^2, 3, 8, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{6^2, 8, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{4, 8, 12, 16, 24, 48\})$	1024
48	$\mathcal{O}(0; \{3, 16^3, 24, 48\})$	4096
48	$\mathcal{O}(0; \{4, 6, 16, 24^2, 48\})$	1536
48	$\mathcal{O}(0; \{3, 12, 16, 24^2, 48\})$	2560
48	$\mathcal{O}(0; \{2, 3^2, 4, 8, 48^2\})$	384
48	$\mathcal{O}(0; \{2^2, 4, 6, 8, 48^2\})$	128

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{6, 8^3, 48^2\})$	1024
48	$\mathcal{O}(0; \{2^2, 3, 8, 12, 48^2\})$	384
48	$\mathcal{O}(0; \{6^2, 8, 12, 48^2\})$	640
48	$\mathcal{O}(0; \{4, 8, 12^2, 48^2\})$	1536
48	$\mathcal{O}(0; \{4, 6, 16^2, 48^2\})$	2048
48	$\mathcal{O}(0; \{3, 12, 16^2, 48^2\})$	6144
48	$\mathcal{O}(0; \{2^5, 24, 48^2\})$	64
48	$\mathcal{O}(0; \{2, 3^3, 24, 48^2\})$	704
48	$\mathcal{O}(0; \{2^2, 4^2, 24, 48^2\})$	256
48	$\mathcal{O}(0; \{2^2, 3, 6, 24, 48^2\})$	320
48	$\mathcal{O}(0; \{6^3, 24, 48^2\})$	704
48	$\mathcal{O}(0; \{4, 8^2, 24, 48^2\})$	2048
48	$\mathcal{O}(0; \{4, 6, 12, 24, 48^2\})$	1280
48	$\mathcal{O}(0; \{3, 12^2, 24, 48^2\})$	2816
48	$\mathcal{O}(0; \{3, 8, 24^2, 48^2\})$	5120
48	$\mathcal{O}(0; \{3, 8, 16, 48^3\})$	12288
48	$\mathcal{O}(0; \{2^3, 48^4\})$	3072
48	$\mathcal{O}(0; \{4^2, 48^4\})$	12288
48	$\mathcal{O}(0; \{3, 6, 48^4\})$	11264
50	$\mathcal{O}(0; \{2^3, 10, 25^3\})$	1200
50	$\mathcal{O}(0; \{2, 10, 25^2, 50^2\})$	26000
51	$\mathcal{O}(1; \{3^2, 17^2\})$	83232
51	$\mathcal{O}(0; \{3^5, 17^2\})$	160
51	$\mathcal{O}(0; \{3^2, 17, 51^3\})$	38560
52	$\mathcal{O}(1; \{2, 4, 13, 52\})$	64896
52	$\mathcal{O}(0; \{2^5, 4, 13, 52\})$	24
52	$\mathcal{O}(0; \{2^2, 4^3, 13, 52\})$	96
52	$\mathcal{O}(0; \{2^3, 4, 26^2, 52\})$	264
52	$\mathcal{O}(0; \{4^3, 26^2, 52\})$	1056
52	$\mathcal{O}(0; \{2, 4, 26, 52^3\})$	12768
54	$\mathcal{O}(0; \{2, 6, 9^2, 27^2\})$	1296
54	$\mathcal{O}(0; \{2^3, 3, 18, 27^2\})$	216
54	$\mathcal{O}(0; \{3^2, 6, 18, 27^2\})$	864
54	$\mathcal{O}(0; \{2, 6^2, 18, 27^2\})$	432
54	$\mathcal{O}(0; \{2, 3, 27^3, 54\})$	8748
54	$\mathcal{O}(0; \{2, 3, 18, 27, 54^2\})$	1944
56	$\mathcal{O}(1; \{2^2, 28^2\})$	28224
56	$\mathcal{O}(1; \{28, 56^2\})$	752640
56	$\mathcal{O}(0; \{2, 7^2, 8^2, 28\})$	240
56	$\mathcal{O}(0; \{2, 4, 8^2, 28^2\})$	192
56	$\mathcal{O}(0; \{2, 7^3, 8, 56\})$	744
56	$\mathcal{O}(0; \{2, 4, 7, 8, 28, 56\})$	480
56	$\mathcal{O}(0; \{2, 4, 7^2, 56^2\})$	1488

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2^4, 28, 56^2\})$	240
56	$\mathcal{O}(0; \{2, 4^2, 28, 56^2\})$	960
56	$\mathcal{O}(0; \{2^2, 56^4\})$	11904
57	$\mathcal{O}(0; \{3^3, 19^2, 57\})$	1836
57	$\mathcal{O}(0; \{19, 57^4\})$	596700
60	$\mathcal{O}(1; \{6, 15, 30\})$	21600
60	$\mathcal{O}(1; \{5, 30^2\})$	64800
60	$\mathcal{O}(0; \{3, 4, 5^3, 12\})$	48
60	$\mathcal{O}(0; \{2, 5^3, 12^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 6, 15\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 5, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6, 12, 15\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 12^2, 15\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 5, 10, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 10, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 15^2, 20\})$	48
60	$\mathcal{O}(0; \{2^2, 12, 15^2, 20\})$	48
60	$\mathcal{O}(0; \{2^3, 3^2, 20^2\})$	16
60	$\mathcal{O}(0; \{3^2, 4^2, 20^2\})$	64
60	$\mathcal{O}(0; \{3^3, 6, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 6^2, 20^2\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 12, 20^2\})$	64
60	$\mathcal{O}(0; \{2^2, 12^2, 20^2\})$	64
60	$\mathcal{O}(0; \{3, 4^2, 5^2, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5^2, 12, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 4^2, 15, 30\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 6, 15, 30\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 12, 15, 30\})$	48
60	$\mathcal{O}(0; \{2^2, 12^2, 15, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 10, 20, 30\})$	48
60	$\mathcal{O}(0; \{2^2, 10, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{15^2, 20^2, 30\})$	816
60	$\mathcal{O}(0; \{12, 20^3, 30\})$	832
60	$\mathcal{O}(0; \{2, 4^2, 5, 30^2\})$	48
60	$\mathcal{O}(0; \{12, 15, 20, 30^2\})$	624
60	$\mathcal{O}(0; \{10, 20^2, 30^2\})$	816
60	$\mathcal{O}(0; \{12^2, 30^3\})$	240
60	$\mathcal{O}(0; \{2, 3, 4, 10, 15, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 10, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{3^3, 5, 20, 60\})$	144
60	$\mathcal{O}(0; \{2, 3, 5, 6, 20, 60\})$	48
60	$\mathcal{O}(0; \{15^3, 20, 60\})$	2448
60	$\mathcal{O}(0; \{12, 15, 20^2, 60\})$	832

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{12, 15^2, 30, 60\})$	1040
60	$\mathcal{O}(0; \{2, 3^2, 20, 30, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 6, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{12^2, 20, 30, 60\})$	576
60	$\mathcal{O}(0; \{10, 15, 20, 30, 60\})$	816
60	$\mathcal{O}(0; \{10, 12, 30^2, 60\})$	624
60	$\mathcal{O}(0; \{2, 3, 5^2, 60^2\})$	208
60	$\mathcal{O}(0; \{2, 3^2, 15, 60^2\})$	240
60	$\mathcal{O}(0; \{2^2, 6, 15, 60^2\})$	144
60	$\mathcal{O}(0; \{12^2, 15, 60^2\})$	960
60	$\mathcal{O}(0; \{10, 15^2, 60^2\})$	2448
60	$\mathcal{O}(0; \{10, 12, 20, 60^2\})$	832
60	$\mathcal{O}(0; \{2^2, 5, 30, 60^2\})$	208
60	$\mathcal{O}(0; \{10^2, 30, 60^2\})$	816
60	$\mathcal{O}(0; \{6, 30^2, 60^2\})$	1040
60	$\mathcal{O}(0; \{6, 20, 60^3\})$	2496
60	$\mathcal{O}(0; \{5, 60^4\})$	9792
63	$\mathcal{O}(0; \{9^3, 21, 63\})$	1944
63	$\mathcal{O}(0; \{7, 9^2, 63^2\})$	4860
63	$\mathcal{O}(0; \{3, 63^4\})$	60264
64	$\mathcal{O}(0; \{4, 8, 32, 64^2\})$	4096
66	$\mathcal{O}(0; \{2, 3^2, 6, 11^2\})$	20
66	$\mathcal{O}(0; \{2^2, 6^2, 11^2\})$	20
66	$\mathcal{O}(0; \{6^2, 11, 22^2\})$	180
66	$\mathcal{O}(0; \{3, 11, 22, 33, 66\})$	1820
68	$\mathcal{O}(1; \{2, 17, 34\})$	55488
68	$\mathcal{O}(0; \{2^2, 4^2, 17, 34\})$	32
68	$\mathcal{O}(0; \{4^2, 34^3\})$	480
68	$\mathcal{O}(0; \{2^3, 17, 68^2\})$	480
68	$\mathcal{O}(0; \{4^2, 17, 68^2\})$	1920
68	$\mathcal{O}(0; \{2, 34^2, 68^2\})$	7712
70	$\mathcal{O}(0; \{5, 7^2, 10, 14\})$	120
70	$\mathcal{O}(0; \{2^3, 10, 35^2\})$	72
70	$\mathcal{O}(0; \{2, 14, 35^3\})$	2232
70	$\mathcal{O}(0; \{5^2, 7, 10, 70\})$	312
70	$\mathcal{O}(0; \{2, 10, 35, 70^2\})$	1560
72	$\mathcal{O}(0; \{4, 8^2, 9^2\})$	48
72	$\mathcal{O}(0; \{3, 8, 9^2, 24\})$	96
72	$\mathcal{O}(0; \{3, 8^2, 9, 36\})$	96
72	$\mathcal{O}(0; \{2, 9, 24^2, 36\})$	192
72	$\mathcal{O}(0; \{2, 8, 24, 36^2\})$	192
72	$\mathcal{O}(0; \{2, 9, 18, 24, 72\})$	144
72	$\mathcal{O}(0; \{2, 8, 18, 36, 72\})$	144

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{3, 4, 9, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 9, 12, 72^2\})$	288
72	$\mathcal{O}(0; \{3^2, 36, 72^2\})$	576
72	$\mathcal{O}(0; \{2, 6, 36, 72^2\})$	288
75	$\mathcal{O}(0; \{3^2, 15, 25^2\})$	160
76	$\mathcal{O}(0; \{2, 4, 19, 38, 76\})$	612
78	$\mathcal{O}(0; \{2^3, 3, 26, 39\})$	24
78	$\mathcal{O}(0; \{3^2, 6, 26, 39\})$	72
78	$\mathcal{O}(0; \{2, 6^2, 26, 39\})$	24
78	$\mathcal{O}(0; \{2, 3, 39^2, 78\})$	792
78	$\mathcal{O}(0; \{2, 3, 26, 78^2\})$	264
82	$\mathcal{O}(2; \emptyset)$	42386400
82	$\mathcal{O}(1; \{2^4\})$	6720
83	$\mathcal{O}(1; \{83^2\})$	564898
84	$\mathcal{O}(1; \{42^2\})$	63504
84	$\mathcal{O}(0; \{2, 4^2, 42^2\})$	24
84	$\mathcal{O}(0; \{3^3, 28, 84\})$	72
84	$\mathcal{O}(0; \{2, 3, 6, 28, 84\})$	24
84	$\mathcal{O}(0; \{2^2, 42, 84^2\})$	120
84	$\mathcal{O}(0; \{84^4\})$	8928
88	$\mathcal{O}(0; \{11, 44, 88^2\})$	7280
90	$\mathcal{O}(0; \{18^2, 30^2\})$	96
90	$\mathcal{O}(0; \{2^2, 10, 18, 45\})$	24
90	$\mathcal{O}(0; \{15, 18, 30, 45\})$	288
90	$\mathcal{O}(0; \{10, 30, 45^2\})$	624
90	$\mathcal{O}(0; \{9, 30, 45, 90\})$	432
90	$\mathcal{O}(0; \{10, 18, 90^2\})$	216
95	$\mathcal{O}(0; \{5, 19, 95^2\})$	3672
96	$\mathcal{O}(0; \{6, 12, 32, 96\})$	64
96	$\mathcal{O}(0; \{4, 48, 96^2\})$	512
99	$\mathcal{O}(0; \{9^2, 11, 33\})$	120
100	$\mathcal{O}(0; \{4, 20, 25, 50\})$	160
102	$\mathcal{O}(0; \{6^2, 34^2\})$	32
102	$\mathcal{O}(0; \{3, 34, 51, 102\})$	480
104	$\mathcal{O}(0; \{4, 8, 26, 104\})$	96
105	$\mathcal{O}(0; \{3, 21, 35^2\})$	240
105	$\mathcal{O}(0; \{3, 15, 35, 105\})$	144
112	$\mathcal{O}(0; \{2, 56, 112^2\})$	960
114	$\mathcal{O}(0; \{2, 38, 57^2\})$	612
114	$\mathcal{O}(0; \{3, 6, 19, 114\})$	36
120	$\mathcal{O}(0; \{2, 15, 24, 40\})$	32
123	$\mathcal{O}(1; \{3^2\})$	30240
126	$\mathcal{O}(0; \{2, 9, 14, 63\})$	36

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
126	$\mathcal{O}(0; \{2, 6, 63^2\})$	72
164	$\mathcal{O}(1; \{2^2\})$	20160
166	$\mathcal{O}(0; \{2^2, 166^2\})$	82
167	$\mathcal{O}(0; \{167^3\})$	27390
168	$\mathcal{O}(0; \{84, 168^2\})$	480
180	$\mathcal{O}(0; \{20, 36, 90\})$	48
190	$\mathcal{O}(0; \{10, 38, 95\})$	72
249	$\mathcal{O}(0; \{3, 249^2\})$	164
332	$\mathcal{O}(0; \{2, 332^2\})$	164
334	$\mathcal{O}(0; \{2, 167, 334\})$	166

Table 4: 84-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(84; \emptyset)$	1
2	$\mathcal{O}(42; \{2^2\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^6\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{10}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{14}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{18}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{22}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{26}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{30}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{34}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{38}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{42}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{46}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{50}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{54}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{58}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{62}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{66}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{70}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{74}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{78}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{82}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{86}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{90}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{94}\})$	274877906944
2	$\mathcal{O}(18; \{2^{98}\})$	68719476736

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(17; \{2^{102}\})$	17179869184
2	$\mathcal{O}(16; \{2^{106}\})$	4294967296
2	$\mathcal{O}(15; \{2^{110}\})$	1073741824
2	$\mathcal{O}(14; \{2^{114}\})$	268435456
2	$\mathcal{O}(13; \{2^{118}\})$	67108864
2	$\mathcal{O}(12; \{2^{122}\})$	16777216
2	$\mathcal{O}(11; \{2^{126}\})$	4194304
2	$\mathcal{O}(10; \{2^{130}\})$	1048576
2	$\mathcal{O}(9; \{2^{134}\})$	262144
2	$\mathcal{O}(8; \{2^{138}\})$	65536
2	$\mathcal{O}(7; \{2^{142}\})$	16384
2	$\mathcal{O}(6; \{2^{146}\})$	4096
2	$\mathcal{O}(5; \{2^{150}\})$	1024
2	$\mathcal{O}(4; \{2^{154}\})$	256
2	$\mathcal{O}(3; \{2^{158}\})$	64
2	$\mathcal{O}(2; \{2^{162}\})$	16
2	$\mathcal{O}(1; \{2^{166}\})$	4
2	$\mathcal{O}(0; \{2^{170}\})$	1
3	$\mathcal{O}(28; \{3^2\})$	1046695266054721074427023042
3	$\mathcal{O}(27; \{3^5\})$	581497370030400596903901690
3	$\mathcal{O}(26; \{3^8\})$	555653042473493903708172726
3	$\mathcal{O}(25; \{3^{11}\})$	489606427605843465541309818
3	$\mathcal{O}(24; \{3^{14}\})$	435684312085877648873677782
3	$\mathcal{O}(23; \{3^{17}\})$	387221766447617772881138010
3	$\mathcal{O}(22; \{3^{20}\})$	344203034356628899783964406
3	$\mathcal{O}(21; \{3^{23}\})$	305957596247513121844924218
3	$\mathcal{O}(20; \{3^{26}\})$	271962380721559973759283222
3	$\mathcal{O}(19; \{3^{29}\})$	241744330314054115081410330
3	$\mathcal{O}(18; \{3^{32}\})$	214883850068615914076581686
3	$\mathcal{O}(17; \{3^{35}\})$	191007866627595500092295418
3	$\mathcal{O}(16; \{3^{38}\})$	169784770346758565659595862
3	$\mathcal{O}(15; \{3^{41}\})$	150919795862550044904850650
3	$\mathcal{O}(14; \{3^{44}\})$	134150929655737300670152566
3	$\mathcal{O}(13; \{3^{47}\})$	119245270805084571622943418
3	$\mathcal{O}(12; \{3^{50}\})$	105995796271187980464279702
3	$\mathcal{O}(11; \{3^{53}\})$	94218485574389127681890970
3	$\mathcal{O}(10; \{3^{56}\})$	83749764955012578860165046
3	$\mathcal{O}(9; \{3^{59}\})$	74444235515566734440068218
3	$\mathcal{O}(8; \{3^{62}\})$	66172653791614875316118742
3	$\mathcal{O}(7; \{3^{65}\})$	58820136703657666918963290
3	$\mathcal{O}(6; \{3^{68}\})$	52284565958806815042267126
3	$\mathcal{O}(5; \{3^{71}\})$	46475169741161613370549818
3	$\mathcal{O}(4; \{3^{74}\})$	41311261992143656329416982

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(3; \{3^{77}\})$	36721121770794361181699610
3	$\mathcal{O}(2; \{3^{80}\})$	32640997129594987717066806
3	$\mathcal{O}(1; \{3^{83}\})$	29014219670751100192948218
3	$\mathcal{O}(0; \{3^{86}\})$	25790417485112089060398422
4	$\mathcal{O}(21; \{4^2\})$	38685626227668133590597632
4	$\mathcal{O}(20; \{2^4, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{2^8, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^5, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^2, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2^{12}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^9, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^6, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^3, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(17; \{2^{16}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{13}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{10}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^7, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^4, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{2^{20}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{17}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{14}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{11}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^8, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^5, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^2, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2^{24}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{21}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{18}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{15}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{12}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^9, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^6, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^3, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(14; \{2^{28}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{25}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{22}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{19}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{16}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{13}, 4^{12}\})$	147573952589676412928

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(14; \{2^{10}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^7, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^4, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{2^{32}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{29}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{26}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{23}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{20}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{17}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{14}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{11}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^8, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^5, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^2, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2^{36}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{33}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{30}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{27}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{24}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{21}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{18}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{15}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{12}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^9, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^6, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^3, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(11; \{2^{40}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{37}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{34}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{31}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{28}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{25}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{22}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{19}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{16}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{13}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{10}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^7, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^4, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(10; \{2^{44}, 4^2\})$	2199023255552

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{41}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{38}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{35}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{32}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{29}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{26}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{23}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{20}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{17}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{14}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{11}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^8, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^5, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^2, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2^{48}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{45}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{42}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{39}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{36}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{33}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{30}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{27}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{24}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{21}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{18}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{15}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{12}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^9, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^6, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^3, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{4^{34}\})$	590295810358705651712
4	$\mathcal{O}(8; \{2^{52}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{49}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{46}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{43}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{40}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{37}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{34}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{31}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{28}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{25}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{22}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{19}, 4^{24}\})$	36028797018963968

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{16}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{13}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{10}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^7, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^4, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(7; \{2^{56}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{53}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{50}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{47}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{44}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{41}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{38}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{35}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{32}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{29}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{26}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{23}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{20}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{17}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{14}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{11}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^8, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^5, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^2, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2^{60}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{57}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{54}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{51}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{48}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{45}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{42}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{39}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{36}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{33}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{30}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{27}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{24}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{21}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{18}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{15}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{12}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^9, 4^{36}\})$	576460752303423488

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^6, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^3, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{4^{42}\})$	36893488147419103232
4	$\mathcal{O}(5; \{2^{64}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{61}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{58}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{55}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{52}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{49}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{46}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{43}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{40}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{37}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{34}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{31}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{28}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{25}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{22}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{19}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{16}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{13}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{10}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^7, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^4, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(4; \{2^{68}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{65}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{62}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{59}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{56}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{53}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{50}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{47}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{44}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{41}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{38}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{35}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{32}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{29}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{26}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{23}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{20}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{17}, 4^{36}\})$	2251799813685248

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{14}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{11}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^8, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^5, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^2, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2^{72}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{69}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{66}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{63}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{60}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{57}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{54}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{51}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{48}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{45}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{42}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{39}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{36}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{33}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{30}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{27}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{24}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{21}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{18}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{15}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{12}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^9, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^6, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^3, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{4^{50}\})$	2305843009213693952
4	$\mathcal{O}(2; \{2^{76}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{73}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{70}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{67}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{64}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{61}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{58}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{55}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{52}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{49}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{46}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{43}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{40}, 4^{26}\})$	8589934592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{37}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{34}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{31}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{28}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{25}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{22}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{19}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{16}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{13}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{10}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^7, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^4, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(1; \{2^{80}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{77}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{74}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{71}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{68}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{65}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{62}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{59}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{56}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{53}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{50}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{47}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{44}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{41}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{38}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{35}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{32}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{29}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{26}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{23}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{20}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{17}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{14}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{11}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^8, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^5, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^2, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(0; \{2^{84}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{81}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{78}, 4^6\})$	32

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{75}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{72}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{69}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{66}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{63}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{60}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{57}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{54}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{51}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{48}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{45}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{42}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{39}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{36}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{33}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{30}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{27}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{24}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{21}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{18}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{15}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{12}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^9, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^6, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^3, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{4^{58}\})$	144115188075855872
5	$\mathcal{O}(16; \{5^4\})$	1210719347000122070312500
5	$\mathcal{O}(14; \{5^9\})$	1953095197677612304687500
5	$\mathcal{O}(12; \{5^{14}\})$	3200000047683715820312500
5	$\mathcal{O}(10; \{5^{19}\})$	5242879999923706054687500
5	$\mathcal{O}(8; \{5^{24}\})$	8589934592000122070312500
5	$\mathcal{O}(6; \{5^{29}\})$	14073748835532799804687500
5	$\mathcal{O}(4; \{5^{34}\})$	23058430092136939520312500
5	$\mathcal{O}(2; \{5^{39}\})$	37778931862957161709567500
5	$\mathcal{O}(0; \{5^{44}\})$	61897001964269013744956212
6	$\mathcal{O}(14; \{6^2\})$	12281884428929630994432
6	$\mathcal{O}(13; \{2^2, 3^4\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2^3, 3^2, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^4, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{3^3, 6^2\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2, 3, 6^3\})$	1023490369077469249536
6	$\mathcal{O}(12; \{2^6, 3^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^2, 3^7\})$	199012016209507909632

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(12; \{2^7, 3^2, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^3, 3^5, 6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^8, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^4, 3^3, 6^2\})$	47383813383216168960
6	$\mathcal{O}(12; \{3^6, 6^2\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^5, 3, 6^3\})$	28430288029929701376
6	$\mathcal{O}(12; \{2, 3^4, 6^3\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^2, 3^2, 6^4\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^3, 6^5\})$	47383813383216168960
6	$\mathcal{O}(12; \{3, 6^6\})$	199012016209507909632
6	$\mathcal{O}(11; \{2^{10}, 3^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^6, 3^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^2, 3^{10}\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^{11}, 3^2, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^7, 3^5, 6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^3, 3^8, 6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^{12}, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^8, 3^3, 6^2\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^4, 3^6, 6^2\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^9, 6^2\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^9, 3, 6^3\})$	789730223053602816
6	$\mathcal{O}(11; \{2^5, 3^4, 6^3\})$	5528111561375219712
6	$\mathcal{O}(11; \{2, 3^7, 6^3\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^6, 3^2, 6^4\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^2, 3^5, 6^4\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^7, 6^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^3, 3^3, 6^5\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^4, 3, 6^6\})$	5528111561375219712
6	$\mathcal{O}(11; \{3^4, 6^6\})$	45014622714055360512
6	$\mathcal{O}(11; \{2, 3^2, 6^7\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^2, 6^8\})$	11319466530434973696
6	$\mathcal{O}(10; \{2^{14}, 3^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{10}, 3^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^6, 3^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^{13}\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{15}, 3^2, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{11}, 3^5, 6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^7, 3^8, 6\})$	621546934810705920
6	$\mathcal{O}(10; \{2^3, 3^{11}, 6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{16}, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{12}, 3^3, 6^2\})$	36561584400629760
6	$\mathcal{O}(10; \{2^8, 3^6, 6^2\})$	314429625845415936
6	$\mathcal{O}(10; \{2^4, 3^9, 6^2\})$	2493500056122949632

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{3^{12}, 6^2\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{13}, 3, 6^3\})$	21936950640377856
6	$\mathcal{O}(10; \{2^9, 3^4, 6^3\})$	153558654482644992
6	$\mathcal{O}(10; \{2^5, 3^7, 6^3\})$	1250406186501537792
6	$\mathcal{O}(10; \{2, 3^{10}, 6^3\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{10}, 3^2, 6^4\})$	80435485681385472
6	$\mathcal{O}(10; \{2^6, 3^5, 6^4\})$	621546934810705920
6	$\mathcal{O}(10; \{2^2, 3^8, 6^4\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{11}, 6^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^7, 3^3, 6^5\})$	314429625845415936
6	$\mathcal{O}(10; \{2^3, 3^6, 6^5\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^8, 3, 6^6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^4, 3^4, 6^6\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^7, 6^6\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^5, 3^2, 6^7\})$	621546934810705920
6	$\mathcal{O}(10; \{2, 3^5, 6^7\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^6, 6^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^2, 3^3, 6^8\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^3, 3, 6^9\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^2, 6^{10}\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 6^{11}\})$	2493500056122949632
6	$\mathcal{O}(9; \{2^{18}, 3^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{14}, 3^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{10}, 3^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^{16}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{19}, 3^2, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{15}, 3^5, 6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{11}, 3^8, 6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^7, 3^{11}, 6\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^{14}, 6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{20}, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{16}, 3^3, 6^2\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{12}, 3^6, 6^2\})$	8734156273483776
6	$\mathcal{O}(9; \{2^8, 3^9, 6^2\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^{12}, 6^2\})$	554720483322888192
6	$\mathcal{O}(9; \{3^{15}, 6^2\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{17}, 3, 6^3\})$	609359740010496
6	$\mathcal{O}(9; \{2^{13}, 3^4, 6^3\})$	4265518180073472
6	$\mathcal{O}(9; \{2^9, 3^7, 6^3\})$	34733505180598272
6	$\mathcal{O}(9; \{2^5, 3^{10}, 6^3\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^{13}, 6^3\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{14}, 3^2, 6^4\})$	2234319046705152

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^{10}, 3^5, 6^4\})$	17265192633630720
6	$\mathcal{O}(9; \{2^6, 3^8, 6^4\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^{11}, 6^4\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{15}, 6^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{11}, 3^3, 6^5\})$	8734156273483776
6	$\mathcal{O}(9; \{2^7, 3^6, 6^5\})$	69263890447859712
6	$\mathcal{O}(9; \{2^3, 3^9, 6^5\})$	554720483322888192
6	$\mathcal{O}(9; \{2^{12}, 3, 6^6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^8, 3^4, 6^6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^7, 6^6\})$	277258681704775680
6	$\mathcal{O}(9; \{3^{10}, 6^6\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^9, 3^2, 6^7\})$	17265192633630720
6	$\mathcal{O}(9; \{2^5, 3^5, 6^7\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^8, 6^7\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{10}, 6^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^6, 3^3, 6^8\})$	69263890447859712
6	$\mathcal{O}(9; \{2^2, 3^6, 6^8\})$	554720483322888192
6	$\mathcal{O}(9; \{2^7, 3, 6^9\})$	34733505180598272
6	$\mathcal{O}(9; \{2^3, 3^4, 6^9\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 3^2, 6^{10}\})$	138730900809056256
6	$\mathcal{O}(9; \{3^5, 6^{10}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^5, 6^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2, 3^3, 6^{11}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3, 6^{12}\})$	277258681704775680
6	$\mathcal{O}(9; \{6^{14}\})$	554720483322888192
6	$\mathcal{O}(8; \{2^{22}, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{18}, 3^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{14}, 3^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^{16}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^{19}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{23}, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{19}, 3^5, 6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{15}, 3^8, 6\})$	479588684267520
6	$\mathcal{O}(8; \{2^{11}, 3^{11}, 6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^{14}, 6\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^{17}, 6\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{24}, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{20}, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2^{16}, 3^6, 6^2\})$	242615452041216
6	$\mathcal{O}(8; \{2^{12}, 3^9, 6^2\})$	1923996956884992
6	$\mathcal{O}(8; \{2^8, 3^{12}, 6^2\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^{15}, 6^2\})$	123254291856752640

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{3^{18}, 6^2\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{21}, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(8; \{2^{17}, 3^4, 6^3\})$	118486616113152
6	$\mathcal{O}(8; \{2^{13}, 3^7, 6^3\})$	964819588349952
6	$\mathcal{O}(8; \{2^9, 3^{10}, 6^3\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^{13}, 6^3\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^{16}, 6^3\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{18}, 3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2^{14}, 3^5, 6^4\})$	479588684267520
6	$\mathcal{O}(8; \{2^{10}, 3^8, 6^4\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^{11}, 6^4\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^{14}, 6^4\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{19}, 6^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{15}, 3^3, 6^5\})$	242615452041216
6	$\mathcal{O}(8; \{2^{11}, 3^6, 6^5\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^9, 6^5\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^{12}, 6^5\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{16}, 3, 6^6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{12}, 3^4, 6^6\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^7, 6^6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^{10}, 6^6\})$	61629967038283776
6	$\mathcal{O}(8; \{3^{13}, 6^6\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{13}, 3^2, 6^7\})$	479588684267520
6	$\mathcal{O}(8; \{2^9, 3^5, 6^7\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^8, 6^7\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^{11}, 6^7\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{14}, 6^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{10}, 3^3, 6^8\})$	1923996956884992
6	$\mathcal{O}(8; \{2^6, 3^6, 6^8\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^9, 6^8\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{11}, 3, 6^9\})$	964819588349952
6	$\mathcal{O}(8; \{2^7, 3^4, 6^9\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^7, 6^9\})$	61629967038283776
6	$\mathcal{O}(8; \{2^8, 3^2, 6^{10}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^4, 3^5, 6^{10}\})$	30812162409234432
6	$\mathcal{O}(8; \{3^8, 6^{10}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^9, 6^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^5, 3^3, 6^{11}\})$	15408902314524672
6	$\mathcal{O}(8; \{2, 3^6, 6^{11}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^6, 3, 6^{12}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^2, 3^4, 6^{12}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^2, 6^{13}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 6^{14}\})$	15408902314524672

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{3^3, 6^{14}\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3, 6^{15}\})$	61629967038283776
6	$\mathcal{O}(7; \{2^{26}, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{22}, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{18}, 3^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^{19}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{22}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{27}, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{23}, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{19}, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{15}, 3^{11}, 6\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^{14}, 6\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^{17}, 6\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{20}, 6\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{28}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{24}, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^{20}, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^{16}, 3^9, 6^2\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^{12}, 6^2\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^{15}, 6^2\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{18}, 6^2\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{21}, 6^2\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{25}, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^{21}, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2^{17}, 3^7, 6^3\})$	26800544120832
6	$\mathcal{O}(7; \{2^{13}, 3^{10}, 6^3\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^{13}, 6^3\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^{16}, 6^3\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{19}, 6^3\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{22}, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^{18}, 3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^{14}, 3^8, 6^4\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^{11}, 6^4\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^{14}, 6^4\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{17}, 6^4\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{23}, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{19}, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^{15}, 3^6, 6^5\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^9, 6^5\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^{12}, 6^5\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^{15}, 6^5\})$	27390312819818496

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{20}, 3, 6^6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{16}, 3^4, 6^6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^7, 6^6\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^{10}, 6^6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^{13}, 6^6\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{16}, 6^6\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{17}, 3^2, 6^7\})$	13321907896320
6	$\mathcal{O}(7; \{2^{13}, 3^5, 6^7\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^8, 6^7\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^{11}, 6^7\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{14}, 6^7\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{18}, 6^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{14}, 3^3, 6^8\})$	53444359913472
6	$\mathcal{O}(7; \{2^{10}, 3^6, 6^8\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^9, 6^8\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^{12}, 6^8\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{15}, 3, 6^9\})$	26800544120832
6	$\mathcal{O}(7; \{2^{11}, 3^4, 6^9\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^7, 6^9\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^{10}, 6^9\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{12}, 3^2, 6^{10}\})$	107045448155136
6	$\mathcal{O}(7; \{2^8, 3^5, 6^{10}\})$	855893400256512
6	$\mathcal{O}(7; \{2^4, 3^8, 6^{10}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^{11}, 6^{10}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{13}, 6^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^9, 3^3, 6^{11}\})$	428025064292352
6	$\mathcal{O}(7; \{2^5, 3^6, 6^{11}\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^9, 6^{11}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{10}, 3, 6^{12}\})$	213934167982080
6	$\mathcal{O}(7; \{2^6, 3^4, 6^{12}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^7, 6^{12}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^7, 3^2, 6^{13}\})$	855893400256512
6	$\mathcal{O}(7; \{2^3, 3^5, 6^{13}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^8, 6^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^4, 3^3, 6^{14}\})$	3423730329354240
6	$\mathcal{O}(7; \{3^6, 6^{14}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^5, 3, 6^{15}\})$	1711943528841216
6	$\mathcal{O}(7; \{2, 3^4, 6^{15}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^2, 6^{16}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 6^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{3, 6^{18}\})$	13695078045745152
6	$\mathcal{O}(6; \{2^{30}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{26}, 3^7\})$	91424858112

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{22}, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{22}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{25}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{31}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{27}, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^{23}, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{19}, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^{14}, 6\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^{17}, 6\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{20}, 6\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{23}, 6\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{32}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{28}, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^{24}, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^{20}, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^{12}, 6^2\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^{15}, 6^2\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{18}, 6^2\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{21}, 6^2\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{24}, 6^2\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{29}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^{25}, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^{21}, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^{17}, 3^{10}, 6^3\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^{13}, 6^3\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^{16}, 6^3\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{19}, 6^3\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{22}, 6^3\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{26}, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^{22}, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^{18}, 3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^{11}, 6^4\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^{14}, 6^4\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{17}, 6^4\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{20}, 6^4\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{27}, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{23}, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^{19}, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^9, 6^5\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^{12}, 6^5\})$	95103620259840

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^7, 3^{15}, 6^5\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{18}, 6^5\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{24}, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^{20}, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^7, 6^6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^{10}, 6^6\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^{13}, 6^6\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{16}, 6^6\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{19}, 6^6\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{21}, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^{17}, 3^5, 6^7\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^8, 6^7\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^{11}, 6^7\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{14}, 6^7\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{17}, 6^7\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{22}, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{18}, 3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2^{14}, 3^6, 6^8\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^9, 6^8\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^{12}, 6^8\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{15}, 6^8\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{19}, 3, 6^9\})$	744459558912
6	$\mathcal{O}(6; \{2^{15}, 3^4, 6^9\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^7, 6^9\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^{10}, 6^9\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^{13}, 6^9\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{16}, 3^2, 6^{10}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{12}, 3^5, 6^{10}\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^8, 6^{10}\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^{11}, 6^{10}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{14}, 6^{10}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{17}, 6^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{13}, 3^3, 6^{11}\})$	11889585119232
6	$\mathcal{O}(6; \{2^9, 3^6, 6^{11}\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^9, 6^{11}\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^{12}, 6^{11}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{14}, 3, 6^{12}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{10}, 3^4, 6^{12}\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^7, 6^{12}\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^{10}, 6^{12}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{11}, 3^2, 6^{13}\})$	23774816673792
6	$\mathcal{O}(6; \{2^7, 3^5, 6^{13}\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^8, 6^{13}\})$	1521679691980800

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{12}, 6^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^8, 3^3, 6^{14}\})$	95103620259840
6	$\mathcal{O}(6; \{2^4, 3^6, 6^{14}\})$	760842022772736
6	$\mathcal{O}(6; \{3^9, 6^{14}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^9, 3, 6^{15}\})$	47553986912256
6	$\mathcal{O}(6; \{2^5, 3^4, 6^{15}\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^7, 6^{15}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^6, 3^2, 6^{16}\})$	190211594084352
6	$\mathcal{O}(6; \{2^2, 3^5, 6^{16}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^7, 6^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^3, 3^3, 6^{17}\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3, 6^{18}\})$	380418834604032
6	$\mathcal{O}(6; \{3^4, 6^{18}\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^2, 6^{19}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 6^{20}\})$	760842022772736
6	$\mathcal{O}(5; \{2^{34}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{30}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{26}, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{22}, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{25}\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{28}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{35}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{31}, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^{27}, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{23}, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^{17}, 6\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{20}, 6\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{23}, 6\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{26}, 6\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{36}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{32}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{28}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^{24}, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^{15}, 6^2\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{18}, 6^2\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{21}, 6^2\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{24}, 6^2\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{27}, 6^2\})$	10820843644446720

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{33}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^{29}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^{25}, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^{21}, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^{13}, 6^3\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^{16}, 6^3\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{19}, 6^3\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{22}, 6^3\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{25}, 6^3\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{30}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^{26}, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^{22}, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^{14}, 6^4\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{17}, 6^4\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{20}, 6^4\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{23}, 6^4\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{31}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^{27}, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^{23}, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^{12}, 6^5\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^{15}, 6^5\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{18}, 6^5\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{21}, 6^5\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{28}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^{24}, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^{10}, 6^6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^{13}, 6^6\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{16}, 6^6\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{19}, 6^6\})$	676302689986560
6	$\mathcal{O}(5; \{3^{22}, 6^6\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{25}, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^{21}, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^8, 6^7\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^{11}, 6^7\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{14}, 6^7\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{17}, 6^7\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{20}, 6^7\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{26}, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{22}, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^{18}, 3^6, 6^8\})$	330266253312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{14}, 3^9, 6^8\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^{12}, 6^8\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{15}, 6^8\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{18}, 6^8\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{23}, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2^{19}, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^7, 6^9\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^{10}, 6^9\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^{13}, 6^9\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{16}, 6^9\})$	676302689986560
6	$\mathcal{O}(5; \{2^{20}, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 3^5, 6^{10}\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^8, 6^{10}\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^{11}, 6^{10}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{14}, 6^{10}\})$	338151405459456
6	$\mathcal{O}(5; \{3^{17}, 6^{10}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{21}, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{17}, 3^3, 6^{11}\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3^6, 6^{11}\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^9, 6^{11}\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^{12}, 6^{11}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{15}, 6^{11}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{18}, 3, 6^{12}\})$	165072660480
6	$\mathcal{O}(5; \{2^{14}, 3^4, 6^{12}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^7, 6^{12}\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^{10}, 6^{12}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^{13}, 6^{12}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{15}, 3^2, 6^{13}\})$	660411574272
6	$\mathcal{O}(5; \{2^{11}, 3^5, 6^{13}\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^8, 6^{13}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^{11}, 6^{13}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{16}, 6^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{12}, 3^3, 6^{14}\})$	2641767229440
6	$\mathcal{O}(5; \{2^8, 3^6, 6^{14}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^9, 6^{14}\})$	169075642263552
6	$\mathcal{O}(5; \{3^{12}, 6^{14}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{13}, 3, 6^{15}\})$	1320944080896
6	$\mathcal{O}(5; \{2^9, 3^4, 6^{15}\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^7, 6^{15}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^{10}, 6^{15}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{10}, 3^2, 6^{16}\})$	5283655391232
6	$\mathcal{O}(5; \{2^6, 3^5, 6^{16}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^8, 6^{16}\})$	338151405459456

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{11}, 6^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^7, 3^3, 6^{17}\})$	21134500632576
6	$\mathcal{O}(5; \{2^3, 3^6, 6^{17}\})$	169075642263552
6	$\mathcal{O}(5; \{2^8, 3, 6^{18}\})$	10567189850112
6	$\mathcal{O}(5; \{2^4, 3^4, 6^{18}\})$	84537881597952
6	$\mathcal{O}(5; \{3^7, 6^{18}\})$	676302689986560
6	$\mathcal{O}(5; \{2^5, 3^2, 6^{19}\})$	42268880332800
6	$\mathcal{O}(5; \{2, 3^5, 6^{19}\})$	338151405459456
6	$\mathcal{O}(5; \{2^6, 6^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^2, 3^3, 6^{20}\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3, 6^{21}\})$	84537881597952
6	$\mathcal{O}(5; \{3^2, 6^{22}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 6^{23}\})$	169075642263552
6	$\mathcal{O}(4; \{2^{38}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{34}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{30}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{28}\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{31}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{39}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{35}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{31}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{27}, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{20}, 6\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{23}, 6\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{26}, 6\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{29}, 6\})$	601157983606272
6	$\mathcal{O}(4; \{2^{40}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{36}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{32}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{28}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{18}, 6^2\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{21}, 6^2\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{24}, 6^2\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{27}, 6^2\})$	300578990123520

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{3^{30}, 6^2\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{37}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{33}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{29}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^{25}, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^{16}, 6^3\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{19}, 6^3\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{22}, 6^3\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{25}, 6^3\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{28}, 6^3\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{34}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{30}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^{26}, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{17}, 6^4\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{20}, 6^4\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{23}, 6^4\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{26}, 6^4\})$	601157983606272
6	$\mathcal{O}(4; \{2^{35}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{31}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^{27}, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^{15}, 6^5\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{18}, 6^5\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{21}, 6^5\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{24}, 6^5\})$	300578990123520
6	$\mathcal{O}(4; \{2^{32}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{28}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^{13}, 6^6\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{16}, 6^6\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{19}, 6^6\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{22}, 6^6\})$	150289496741376
6	$\mathcal{O}(4; \{3^{25}, 6^6\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{29}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^{25}, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^{11}, 6^7\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{14}, 6^7\})$	1174135564800

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^9, 3^{17}, 6^7\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{20}, 6^7\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{23}, 6^7\})$	601157983606272
6	$\mathcal{O}(4; \{2^{30}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^{26}, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^{22}, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^{12}, 6^8\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{15}, 6^8\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{18}, 6^8\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{21}, 6^8\})$	300578990123520
6	$\mathcal{O}(4; \{2^{27}, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^{23}, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^{10}, 6^9\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^{13}, 6^9\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{16}, 6^9\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{19}, 6^9\})$	150289496741376
6	$\mathcal{O}(4; \{2^{24}, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^{20}, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^8, 6^{10}\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^{11}, 6^{10}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{14}, 6^{10}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{17}, 6^{10}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{20}, 6^{10}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{25}, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{21}, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^{17}, 3^6, 6^{11}\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^9, 6^{11}\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^{12}, 6^{11}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{15}, 6^{11}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{18}, 6^{11}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{22}, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{2^{18}, 3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^7, 6^{12}\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^{10}, 6^{12}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^{13}, 6^{12}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{16}, 6^{12}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{19}, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 3^5, 6^{13}\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^8, 6^{13}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^{11}, 6^{13}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{14}, 6^{13}\})$	75144746691072

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{20}, 6^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{16}, 3^3, 6^{14}\})$	73382423040
6	$\mathcal{O}(4; \{2^{12}, 3^6, 6^{14}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^9, 6^{14}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^{12}, 6^{14}\})$	37572375025152
6	$\mathcal{O}(4; \{3^{15}, 6^{14}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{17}, 3, 6^{15}\})$	36692891136
6	$\mathcal{O}(4; \{2^{13}, 3^4, 6^{15}\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^7, 6^{15}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^{10}, 6^{15}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^{13}, 6^{15}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{14}, 3^2, 6^{16}\})$	146768205312
6	$\mathcal{O}(4; \{2^{10}, 3^5, 6^{16}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^8, 6^{16}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^{11}, 6^{16}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{15}, 6^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6^{17}\})$	587069462016
6	$\mathcal{O}(4; \{2^7, 3^6, 6^{17}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^9, 6^{17}\})$	37572375025152
6	$\mathcal{O}(4; \{2^{12}, 3, 6^{18}\})$	293533051392
6	$\mathcal{O}(4; \{2^8, 3^4, 6^{18}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^7, 6^{18}\})$	18786185832960
6	$\mathcal{O}(4; \{3^{10}, 6^{18}\})$	150289496741376
6	$\mathcal{O}(4; \{2^9, 3^2, 6^{19}\})$	1174135564800
6	$\mathcal{O}(4; \{2^5, 3^5, 6^{19}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^8, 6^{19}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{10}, 6^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^6, 3^3, 6^{20}\})$	4696545618432
6	$\mathcal{O}(4; \{2^2, 3^6, 6^{20}\})$	37572375025152
6	$\mathcal{O}(4; \{2^7, 3, 6^{21}\})$	2348274488832
6	$\mathcal{O}(4; \{2^3, 3^4, 6^{21}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^2, 6^{22}\})$	9393094596096
6	$\mathcal{O}(4; \{3^5, 6^{22}\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 6^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2, 3^3, 6^{23}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3, 6^{24}\})$	18786185832960
6	$\mathcal{O}(4; \{6^{26}\})$	37572375025152
6	$\mathcal{O}(3; \{2^{42}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{38}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{34}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^{19}\})$	8153695872

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{18}, 3^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{28}\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{31}\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{34}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{43}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{39}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{35}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{31}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{23}, 6\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{26}, 6\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{29}, 6\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{32}, 6\})$	133590662743680
6	$\mathcal{O}(3; \{2^{44}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{40}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{36}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{32}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{21}, 6^2\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{24}, 6^2\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{27}, 6^2\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{30}, 6^2\})$	66795331418496
6	$\mathcal{O}(3; \{3^{33}, 6^2\})$	534362651068032
6	$\mathcal{O}(3; \{2^{41}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{37}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{33}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{29}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^{19}, 6^3\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{22}, 6^3\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{25}, 6^3\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{28}, 6^3\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{31}, 6^3\})$	267181325580672
6	$\mathcal{O}(3; \{2^{38}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{34}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{30}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^{11}, 6^4\})$	509576832

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{22}, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{20}, 6^4\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{23}, 6^4\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{26}, 6^4\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{29}, 6^4\})$	133590662743680
6	$\mathcal{O}(3; \{2^{39}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{35}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{31}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{18}, 6^5\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{21}, 6^5\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{24}, 6^5\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{27}, 6^5\})$	66795331418496
6	$\mathcal{O}(3; \{2^{36}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{32}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{16}, 6^6\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{19}, 6^6\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{22}, 6^6\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{25}, 6^6\})$	33397665662592
6	$\mathcal{O}(3; \{3^{28}, 6^6\})$	267181325580672
6	$\mathcal{O}(3; \{2^{33}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{29}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{14}, 6^7\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{17}, 6^7\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{20}, 6^7\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{23}, 6^7\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{26}, 6^7\})$	133590662743680
6	$\mathcal{O}(3; \{2^{34}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{30}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^{26}, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^{15}, 6^8\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{18}, 6^8\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{21}, 6^8\})$	8349416392320

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^{24}, 6^8\})$	66795331418496
6	$\mathcal{O}(3; \{2^{31}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^{27}, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^{13}, 6^9\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{16}, 6^9\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{19}, 6^9\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{22}, 6^9\})$	33397665662592
6	$\mathcal{O}(3; \{2^{28}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^{24}, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^{11}, 6^{10}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{14}, 6^{10}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{17}, 6^{10}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{20}, 6^{10}\})$	16698832877952
6	$\mathcal{O}(3; \{3^{23}, 6^{10}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{29}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{25}, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^{21}, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^9, 6^{11}\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^{12}, 6^{11}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{15}, 6^{11}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{18}, 6^{11}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{21}, 6^{11}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{26}, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^{22}, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^{10}, 6^{12}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^{13}, 6^{12}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{16}, 6^{12}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{19}, 6^{12}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{23}, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^8, 6^{13}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^{11}, 6^{13}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{14}, 6^{13}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{17}, 6^{13}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{24}, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{20}, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3^6, 6^{14}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^9, 6^{14}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^{12}, 6^{14}\})$	1043677084032

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^4, 3^{15}, 6^{14}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{18}, 6^{14}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{21}, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{2^{17}, 3^4, 6^{15}\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^7, 6^{15}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^{10}, 6^{15}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^{13}, 6^{15}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{16}, 6^{15}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{18}, 3^2, 6^{16}\})$	4076894592
6	$\mathcal{O}(3; \{2^{14}, 3^5, 6^{16}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^8, 6^{16}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^{11}, 6^{16}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^{14}, 6^{16}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{19}, 6^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6^{17}\})$	16307485056
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6^{17}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^9, 6^{17}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6^{17}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{16}, 3, 6^{18}\})$	8153695872
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^{18}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^7, 6^{18}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^{18}\})$	4174708242816
6	$\mathcal{O}(3; \{3^{13}, 6^{18}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^{19}\})$	32614876800
6	$\mathcal{O}(3; \{2^9, 3^5, 6^{19}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^8, 6^{19}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^{11}, 6^{19}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{14}, 6^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^{20}\})$	130459600512
6	$\mathcal{O}(3; \{2^6, 3^6, 6^{20}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^9, 6^{20}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{11}, 3, 6^{21}\})$	65229846912
6	$\mathcal{O}(3; \{2^7, 3^4, 6^{21}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^7, 6^{21}\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 3^2, 6^{22}\})$	260919294336
6	$\mathcal{O}(3; \{2^4, 3^5, 6^{22}\})$	2087354074752
6	$\mathcal{O}(3; \{3^8, 6^{22}\})$	16698832877952
6	$\mathcal{O}(3; \{2^9, 6^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^5, 3^3, 6^{23}\})$	1043677084032
6	$\mathcal{O}(3; \{2, 3^6, 6^{23}\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3, 6^{24}\})$	521838495360
6	$\mathcal{O}(3; \{2^2, 3^4, 6^{24}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^2, 6^{25}\})$	2087354074752

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^4, 6^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{3^3, 6^{26}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3, 6^{27}\})$	4174708242816
6	$\mathcal{O}(2; \{2^{46}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{42}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{38}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{31}\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{34}\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{37}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{47}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{43}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{39}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{35}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{26}, 6\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{29}, 6\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{32}, 6\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{35}, 6\})$	29686813950816
6	$\mathcal{O}(2; \{2^{48}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{44}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{40}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{36}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{24}, 6^2\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{27}, 6^2\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{30}, 6^2\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{33}, 6^2\})$	14843406974112
6	$\mathcal{O}(2; \{3^{36}, 6^2\})$	118747255800672
6	$\mathcal{O}(2; \{2^{45}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{41}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{37}, 3^7, 6^3\})$	443232

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{33}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{22}, 6^3\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{25}, 6^3\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{28}, 6^3\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{31}, 6^3\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{34}, 6^3\})$	59373627899040
6	$\mathcal{O}(2; \{2^{42}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{38}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{34}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{20}, 6^4\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{23}, 6^4\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{26}, 6^4\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{29}, 6^4\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{32}, 6^4\})$	29686813950816
6	$\mathcal{O}(2; \{2^{43}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{39}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{35}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^{31}, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{21}, 6^5\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{24}, 6^5\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{27}, 6^5\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{30}, 6^5\})$	14843406974112
6	$\mathcal{O}(2; \{2^{40}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{36}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{19}, 6^6\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{22}, 6^6\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{25}, 6^6\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{28}, 6^6\})$	7421703488352
6	$\mathcal{O}(2; \{3^{31}, 6^6\})$	59373627899040
6	$\mathcal{O}(2; \{2^{37}, 3^2, 6^7\})$	220320

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{33}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{17}, 6^7\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{20}, 6^7\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{23}, 6^7\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{26}, 6^7\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{29}, 6^7\})$	29686813950816
6	$\mathcal{O}(2; \{2^{38}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{34}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{30}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{15}, 6^8\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{18}, 6^8\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{21}, 6^8\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{24}, 6^8\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{27}, 6^8\})$	14843406974112
6	$\mathcal{O}(2; \{2^{35}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{31}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{16}, 6^9\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{19}, 6^9\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{22}, 6^9\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{25}, 6^9\})$	7421703488352
6	$\mathcal{O}(2; \{2^{32}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{28}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{14}, 6^{10}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^{17}, 6^{10}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{20}, 6^{10}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{23}, 6^{10}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{26}, 6^{10}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{33}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{29}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^{25}, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^{12}, 6^{11}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^{15}, 6^{11}\})$	28991030112

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^9, 3^{18}, 6^{11}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{21}, 6^{11}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{24}, 6^{11}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{30}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^{26}, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^{13}, 6^{12}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{16}, 6^{12}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{19}, 6^{12}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{22}, 6^{12}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{27}, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^{23}, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^{11}, 6^{13}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{14}, 6^{13}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{17}, 6^{13}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{20}, 6^{13}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{28}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{24}, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^9, 6^{14}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^{12}, 6^{14}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{15}, 6^{14}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{18}, 6^{14}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{21}, 6^{14}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{25}, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^{21}, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^7, 6^{15}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^{10}, 6^{15}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^{13}, 6^{15}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{16}, 6^{15}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{19}, 6^{15}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{22}, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^{18}, 3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^8, 6^{16}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^{11}, 6^{16}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{14}, 6^{16}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{17}, 6^{16}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{23}, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{19}, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^{15}, 3^6, 6^{17}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^9, 6^{17}\})$	28991030112

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^7, 3^{12}, 6^{17}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{15}, 6^{17}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{20}, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{2^{16}, 3^4, 6^{18}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^7, 6^{18}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^{10}, 6^{18}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^{13}, 6^{18}\})$	927712935072
6	$\mathcal{O}(2; \{3^{16}, 6^{18}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{17}, 3^2, 6^{19}\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^5, 6^{19}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^8, 6^{19}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^{11}, 6^{19}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{14}, 6^{19}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{18}, 6^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 3^3, 6^{20}\})$	3623877792
6	$\mathcal{O}(2; \{2^{10}, 3^6, 6^{20}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^9, 6^{20}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^{12}, 6^{20}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{15}, 3, 6^{21}\})$	1811940192
6	$\mathcal{O}(2; \{2^{11}, 3^4, 6^{21}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^7, 6^{21}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^{10}, 6^{21}\})$	927712935072
6	$\mathcal{O}(2; \{2^{12}, 3^2, 6^{22}\})$	7247758176
6	$\mathcal{O}(2; \{2^8, 3^5, 6^{22}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^8, 6^{22}\})$	463856468832
6	$\mathcal{O}(2; \{3^{11}, 6^{22}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{13}, 6^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^9, 3^3, 6^{23}\})$	28991030112
6	$\mathcal{O}(2; \{2^5, 3^6, 6^{23}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^9, 6^{23}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{10}, 3, 6^{24}\})$	14495513760
6	$\mathcal{O}(2; \{2^6, 3^4, 6^{24}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^7, 6^{24}\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^2, 6^{25}\})$	57982057632
6	$\mathcal{O}(2; \{2^3, 3^5, 6^{25}\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 6^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{26}\})$	231928233120
6	$\mathcal{O}(2; \{3^6, 6^{26}\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3, 6^{27}\})$	115964117856
6	$\mathcal{O}(2; \{2, 3^4, 6^{27}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{28}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 6^{29}\})$	231928233120
6	$\mathcal{O}(2; \{3, 6^{30}\})$	927712935072

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{50}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{46}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{42}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{34}\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{37}\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{40}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{51}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{47}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{43}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{39}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{29}, 6\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{32}, 6\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{35}, 6\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{38}, 6\})$	6597069766632
6	$\mathcal{O}(1; \{2^{52}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{48}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{44}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{40}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{27}, 6^2\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{30}, 6^2\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{33}, 6^2\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{36}, 6^2\})$	3298534883352
6	$\mathcal{O}(1; \{3^{39}, 6^2\})$	26388279066600
6	$\mathcal{O}(1; \{2^{49}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{45}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{41}, 3^7, 6^3\})$	12312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{37}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{25}, 6^3\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{28}, 6^3\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{31}, 6^3\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{34}, 6^3\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{37}, 6^3\})$	13194139533336
6	$\mathcal{O}(1; \{2^{46}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{42}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{38}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{26}, 6^4\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{29}, 6^4\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{32}, 6^4\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{35}, 6^4\})$	6597069766632
6	$\mathcal{O}(1; \{2^{47}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{43}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{39}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{24}, 6^5\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{27}, 6^5\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{30}, 6^5\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{33}, 6^5\})$	3298534883352
6	$\mathcal{O}(1; \{2^{44}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{40}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{22}, 6^6\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{25}, 6^6\})$	25769803752

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3^{28}, 6^6\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{31}, 6^6\})$	1649267441640
6	$\mathcal{O}(1; \{3^{34}, 6^6\})$	13194139533336
6	$\mathcal{O}(1; \{2^{41}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{37}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{20}, 6^7\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{23}, 6^7\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{26}, 6^7\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{29}, 6^7\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{32}, 6^7\})$	6597069766632
6	$\mathcal{O}(1; \{2^{42}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{38}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{34}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{21}, 6^8\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{24}, 6^8\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{27}, 6^8\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{30}, 6^8\})$	3298534883352
6	$\mathcal{O}(1; \{2^{39}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{35}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{19}, 6^9\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{22}, 6^9\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{25}, 6^9\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{28}, 6^9\})$	1649267441640
6	$\mathcal{O}(1; \{2^{36}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{32}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{17}, 6^{10}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{20}, 6^{10}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{23}, 6^{10}\})$	103079215080

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^4, 3^{26}, 6^{10}\})$	824633720856
6	$\mathcal{O}(1; \{3^{29}, 6^{10}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{37}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{33}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{29}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{15}, 6^{11}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{18}, 6^{11}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{21}, 6^{11}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{24}, 6^{11}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{27}, 6^{11}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{34}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{30}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{16}, 6^{12}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{19}, 6^{12}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{22}, 6^{12}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{25}, 6^{12}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{31}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^{27}, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^{11}, 6^{13}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{14}, 6^{13}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{17}, 6^{13}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{20}, 6^{13}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{23}, 6^{13}\})$	824633720856
6	$\mathcal{O}(1; \{2^{32}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{28}, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^{24}, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^{12}, 6^{14}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{15}, 6^{14}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{18}, 6^{14}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{21}, 6^{14}\})$	412316860392
6	$\mathcal{O}(1; \{3^{24}, 6^{14}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{29}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^{25}, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^{21}, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^{10}, 6^{15}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^{13}, 6^{15}\})$	3221225496

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^9, 3^{16}, 6^{15}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{19}, 6^{15}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{22}, 6^{15}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{26}, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^{22}, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^{11}, 6^{16}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^{14}, 6^{16}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{17}, 6^{16}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{20}, 6^{16}\})$	824633720856
6	$\mathcal{O}(1; \{2^{27}, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{23}, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^{19}, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^9, 6^{17}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6^{17}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{15}, 6^{17}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{18}, 6^{17}\})$	412316860392
6	$\mathcal{O}(1; \{2^{24}, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^{20}, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^7, 6^{18}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^{18}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^{13}, 6^{18}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{16}, 6^{18}\})$	206158430232
6	$\mathcal{O}(1; \{3^{19}, 6^{18}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{21}, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3^5, 6^{19}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^8, 6^{19}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^{11}, 6^{19}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{14}, 6^{19}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{17}, 6^{19}\})$	824633720856
6	$\mathcal{O}(1; \{2^{22}, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{18}, 3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3^6, 6^{20}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^9, 6^{20}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^{12}, 6^{20}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{15}, 6^{20}\})$	412316860392
6	$\mathcal{O}(1; \{2^{19}, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(1; \{2^{15}, 3^4, 6^{21}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^{21}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^{21}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^{21}\})$	206158430232
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^{22}\})$	201326616
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^{22}\})$	1610612712

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3^8, 6^{22}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^{22}\})$	103079215080
6	$\mathcal{O}(1; \{3^{14}, 6^{22}\})$	824633720856
6	$\mathcal{O}(1; \{2^{17}, 6^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^{23}\})$	805306392
6	$\mathcal{O}(1; \{2^9, 3^6, 6^{23}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^9, 6^{23}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^{12}, 6^{23}\})$	412316860392
6	$\mathcal{O}(1; \{2^{14}, 3, 6^{24}\})$	402653160
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^{24}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^7, 6^{24}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^{24}\})$	206158430232
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^{25}\})$	1610612712
6	$\mathcal{O}(1; \{2^7, 3^5, 6^{25}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^8, 6^{25}\})$	103079215080
6	$\mathcal{O}(1; \{2^{12}, 6^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{26}\})$	6442450920
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{26}\})$	51539607576
6	$\mathcal{O}(1; \{3^9, 6^{26}\})$	412316860392
6	$\mathcal{O}(1; \{2^9, 3, 6^{27}\})$	3221225496
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{27}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^7, 6^{27}\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{28}\})$	12884901912
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{28}\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 6^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{29}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3, 6^{30}\})$	25769803752
6	$\mathcal{O}(1; \{3^4, 6^{30}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^2, 6^{31}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 6^{32}\})$	51539607576
6	$\mathcal{O}(0; \{2^{54}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{50}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{46}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{34}\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{37}\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{40}\})$	366503875926

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^2, 3^{43}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{55}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{51}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{47}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{43}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{29}, 6\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{32}, 6\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{35}, 6\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{38}, 6\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{41}, 6\})$	1466015503702
6	$\mathcal{O}(0; \{2^{56}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{52}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{48}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{44}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{30}, 6^2\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{33}, 6^2\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{36}, 6^2\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{39}, 6^2\})$	733007751850
6	$\mathcal{O}(0; \{3^{42}, 6^2\})$	5864062014806
6	$\mathcal{O}(0; \{2^{53}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{49}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{45}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{41}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{28}, 6^3\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{31}, 6^3\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{34}, 6^3\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{37}, 6^3\})$	366503875926

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2, 3^{40}, 6^3\})$	2932031007402
6	$\mathcal{O}(0; \{2^{50}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{46}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{42}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{26}, 6^4\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{29}, 6^4\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{32}, 6^4\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{35}, 6^4\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{38}, 6^4\})$	1466015503702
6	$\mathcal{O}(0; \{2^{51}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{47}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{43}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{24}, 6^5\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{27}, 6^5\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{30}, 6^5\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{33}, 6^5\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{36}, 6^5\})$	733007751850
6	$\mathcal{O}(0; \{2^{48}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{44}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{25}, 6^6\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{28}, 6^6\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{31}, 6^6\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{34}, 6^6\})$	366503875926
6	$\mathcal{O}(0; \{3^{37}, 6^6\})$	2932031007402
6	$\mathcal{O}(0; \{2^{45}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{41}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^8, 6^7\})$	10922

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{33}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{23}, 6^7\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{26}, 6^7\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{29}, 6^7\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{32}, 6^7\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{35}, 6^7\})$	1466015503702
6	$\mathcal{O}(0; \{2^{46}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{42}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{38}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{24}, 6^8\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{27}, 6^8\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{30}, 6^8\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{33}, 6^8\})$	733007751850
6	$\mathcal{O}(0; \{2^{43}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{39}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{22}, 6^9\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{25}, 6^9\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{28}, 6^9\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{31}, 6^9\})$	366503875926
6	$\mathcal{O}(0; \{2^{40}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{36}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{20}, 6^{10}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{23}, 6^{10}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{26}, 6^{10}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{29}, 6^{10}\})$	183251937962
6	$\mathcal{O}(0; \{3^{32}, 6^{10}\})$	1466015503702

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{41}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{37}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{33}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{18}, 6^{11}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{21}, 6^{11}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{24}, 6^{11}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{27}, 6^{11}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{30}, 6^{11}\})$	733007751850
6	$\mathcal{O}(0; \{2^{38}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{34}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{16}, 6^{12}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{19}, 6^{12}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{22}, 6^{12}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{25}, 6^{12}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{28}, 6^{12}\})$	366503875926
6	$\mathcal{O}(0; \{2^{35}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{31}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{17}, 6^{13}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{20}, 6^{13}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{23}, 6^{13}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{26}, 6^{13}\})$	183251937962
6	$\mathcal{O}(0; \{2^{36}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{32}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{28}, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{15}, 6^{14}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{18}, 6^{14}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{21}, 6^{14}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{24}, 6^{14}\})$	91625968982
6	$\mathcal{O}(0; \{3^{27}, 6^{14}\})$	733007751850
6	$\mathcal{O}(0; \{2^{33}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{29}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^7, 6^{15}\})$	1398102

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{21}, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^{13}, 6^{15}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{16}, 6^{15}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{19}, 6^{15}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{22}, 6^{15}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{25}, 6^{15}\})$	366503875926
6	$\mathcal{O}(0; \{2^{30}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^{26}, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^{14}, 6^{16}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{17}, 6^{16}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{20}, 6^{16}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{23}, 6^{16}\})$	183251937962
6	$\mathcal{O}(0; \{2^{31}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{27}, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^{23}, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^{12}, 6^{17}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{15}, 6^{17}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{18}, 6^{17}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{21}, 6^{17}\})$	91625968982
6	$\mathcal{O}(0; \{2^{28}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^{24}, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^{10}, 6^{18}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^{13}, 6^{18}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{16}, 6^{18}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{19}, 6^{18}\})$	45812984490
6	$\mathcal{O}(0; \{3^{22}, 6^{18}\})$	366503875926
6	$\mathcal{O}(0; \{2^{25}, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^{21}, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^8, 6^{19}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^{11}, 6^{19}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{14}, 6^{19}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{17}, 6^{19}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{20}, 6^{19}\})$	183251937962
6	$\mathcal{O}(0; \{2^{26}, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{22}, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^{18}, 3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^9, 6^{20}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6^{20}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{15}, 6^{20}\})$	11453246122

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^2, 3^{18}, 6^{20}\})$	91625968982
6	$\mathcal{O}(0; \{2^{23}, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2^{19}, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^7, 6^{21}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^{21}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^{13}, 6^{21}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{16}, 6^{21}\})$	45812984490
6	$\mathcal{O}(0; \{2^{20}, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^5, 6^{22}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^8, 6^{22}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^{11}, 6^{22}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{14}, 6^{22}\})$	22906492246
6	$\mathcal{O}(0; \{3^{17}, 6^{22}\})$	183251937962
6	$\mathcal{O}(0; \{2^{21}, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{17}, 3^3, 6^{23}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3^6, 6^{23}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^9, 6^{23}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6^{23}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{15}, 6^{23}\})$	91625968982
6	$\mathcal{O}(0; \{2^{18}, 3, 6^{24}\})$	11184810
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^{24}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^{24}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^{24}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^{24}\})$	45812984490
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^{25}\})$	44739242
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^{25}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^8, 6^{25}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^{25}\})$	22906492246
6	$\mathcal{O}(0; \{2^{16}, 6^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^{26}\})$	178956970
6	$\mathcal{O}(0; \{2^8, 3^6, 6^{26}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^9, 6^{26}\})$	11453246122
6	$\mathcal{O}(0; \{3^{12}, 6^{26}\})$	91625968982
6	$\mathcal{O}(0; \{2^{13}, 3, 6^{27}\})$	89478486
6	$\mathcal{O}(0; \{2^9, 3^4, 6^{27}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^7, 6^{27}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^{10}, 6^{27}\})$	45812984490
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{28}\})$	357913942
6	$\mathcal{O}(0; \{2^6, 3^5, 6^{28}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^8, 6^{28}\})$	22906492246
6	$\mathcal{O}(0; \{2^{11}, 6^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{29}\})$	1431655766
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{29}\})$	11453246122

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^8, 3, 6^{30}\})$	715827882
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{30}\})$	5726623062
6	$\mathcal{O}(0; \{3^7, 6^{30}\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{31}\})$	2863311530
6	$\mathcal{O}(0; \{2, 3^5, 6^{31}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 6^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{32}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3, 6^{33}\})$	5726623062
6	$\mathcal{O}(0; \{3^2, 6^{34}\})$	22906492246
6	$\mathcal{O}(0; \{2, 6^{35}\})$	11453246122
7	$\mathcal{O}(12; \{7^2\})$	1149487388283398486406
7	$\mathcal{O}(9; \{7^9\})$	2344378204503736111830
7	$\mathcal{O}(6; \{7^{16}\})$	5578256064966867856266
7	$\mathcal{O}(3; \{7^{23}\})$	13272995858861902427670
7	$\mathcal{O}(0; \{7^{30}\})$	31581988531533336842826
8	$\mathcal{O}(10; \{2^2, 8^2\})$	4611686018427387904
8	$\mathcal{O}(9; \{2^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(9; \{2^3, 4^2, 8^2\})$	288230376151711744
8	$\mathcal{O}(9; \{4^4, 8^2\})$	1152921504606846976
8	$\mathcal{O}(9; \{2, 4, 8^4\})$	2305843009213693952
8	$\mathcal{O}(8; \{2^{10}, 8^2\})$	1125899906842624
8	$\mathcal{O}(8; \{2^7, 4^2, 8^2\})$	4503599627370496
8	$\mathcal{O}(8; \{2^4, 4^4, 8^2\})$	18014398509481984
8	$\mathcal{O}(8; \{2, 4^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(8; \{2^5, 4, 8^4\})$	36028797018963968
8	$\mathcal{O}(8; \{2^2, 4^3, 8^4\})$	144115188075855872
8	$\mathcal{O}(8; \{2^3, 8^6\})$	288230376151711744
8	$\mathcal{O}(8; \{4^2, 8^6\})$	1152921504606846976
8	$\mathcal{O}(7; \{2^{14}, 8^2\})$	17592186044416
8	$\mathcal{O}(7; \{2^{11}, 4^2, 8^2\})$	70368744177664
8	$\mathcal{O}(7; \{2^8, 4^4, 8^2\})$	281474976710656
8	$\mathcal{O}(7; \{2^5, 4^6, 8^2\})$	1125899906842624
8	$\mathcal{O}(7; \{2^2, 4^8, 8^2\})$	4503599627370496
8	$\mathcal{O}(7; \{2^9, 4, 8^4\})$	562949953421312
8	$\mathcal{O}(7; \{2^6, 4^3, 8^4\})$	2251799813685248
8	$\mathcal{O}(7; \{2^3, 4^5, 8^4\})$	9007199254740992
8	$\mathcal{O}(7; \{4^7, 8^4\})$	36028797018963968
8	$\mathcal{O}(7; \{2^7, 8^6\})$	4503599627370496
8	$\mathcal{O}(7; \{2^4, 4^2, 8^6\})$	18014398509481984
8	$\mathcal{O}(7; \{2, 4^4, 8^6\})$	72057594037927936
8	$\mathcal{O}(7; \{2^2, 4, 8^8\})$	144115188075855872
8	$\mathcal{O}(7; \{8^{10}\})$	1152921504606846976
8	$\mathcal{O}(6; \{2^{18}, 8^2\})$	274877906944

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^{15}, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{2^{12}, 4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2^9, 4^6, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^6, 4^8, 8^2\})$	70368744177664
8	$\mathcal{O}(6; \{2^3, 4^{10}, 8^2\})$	281474976710656
8	$\mathcal{O}(6; \{4^{12}, 8^2\})$	1125899906842624
8	$\mathcal{O}(6; \{2^{13}, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(6; \{2^{10}, 4^3, 8^4\})$	35184372088832
8	$\mathcal{O}(6; \{2^7, 4^5, 8^4\})$	140737488355328
8	$\mathcal{O}(6; \{2^4, 4^7, 8^4\})$	562949953421312
8	$\mathcal{O}(6; \{2, 4^9, 8^4\})$	2251799813685248
8	$\mathcal{O}(6; \{2^{11}, 8^6\})$	70368744177664
8	$\mathcal{O}(6; \{2^8, 4^2, 8^6\})$	281474976710656
8	$\mathcal{O}(6; \{2^5, 4^4, 8^6\})$	1125899906842624
8	$\mathcal{O}(6; \{2^2, 4^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(6; \{2^6, 4, 8^8\})$	2251799813685248
8	$\mathcal{O}(6; \{2^3, 4^3, 8^8\})$	9007199254740992
8	$\mathcal{O}(6; \{4^5, 8^8\})$	36028797018963968
8	$\mathcal{O}(6; \{2^4, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(6; \{2, 4^2, 8^{10}\})$	72057594037927936
8	$\mathcal{O}(5; \{2^{22}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^{19}, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^{16}, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^{13}, 4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^{10}, 4^8, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^7, 4^{10}, 8^2\})$	4398046511104
8	$\mathcal{O}(5; \{2^4, 4^{12}, 8^2\})$	17592186044416
8	$\mathcal{O}(5; \{2, 4^{14}, 8^2\})$	70368744177664
8	$\mathcal{O}(5; \{2^{17}, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^{14}, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^{11}, 4^5, 8^4\})$	2199023255552
8	$\mathcal{O}(5; \{2^8, 4^7, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^5, 4^9, 8^4\})$	35184372088832
8	$\mathcal{O}(5; \{2^2, 4^{11}, 8^4\})$	140737488355328
8	$\mathcal{O}(5; \{2^{15}, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{2^{12}, 4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(5; \{2^9, 4^4, 8^6\})$	17592186044416
8	$\mathcal{O}(5; \{2^6, 4^6, 8^6\})$	70368744177664
8	$\mathcal{O}(5; \{2^3, 4^8, 8^6\})$	281474976710656
8	$\mathcal{O}(5; \{4^{10}, 8^6\})$	1125899906842624
8	$\mathcal{O}(5; \{2^{10}, 4, 8^8\})$	35184372088832
8	$\mathcal{O}(5; \{2^7, 4^3, 8^8\})$	140737488355328
8	$\mathcal{O}(5; \{2^4, 4^5, 8^8\})$	562949953421312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2, 4^7, 8^8\})$	2251799813685248
8	$\mathcal{O}(5; \{2^8, 8^{10}\})$	281474976710656
8	$\mathcal{O}(5; \{2^5, 4^2, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(5; \{2^2, 4^4, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^3, 4, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(5; \{4^3, 8^{12}\})$	36028797018963968
8	$\mathcal{O}(5; \{2, 8^{14}\})$	72057594037927936
8	$\mathcal{O}(4; \{2^{26}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{23}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^{20}, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^{17}, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^{14}, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^{11}, 4^{10}, 8^2\})$	68719476736
8	$\mathcal{O}(4; \{2^8, 4^{12}, 8^2\})$	274877906944
8	$\mathcal{O}(4; \{2^5, 4^{14}, 8^2\})$	1099511627776
8	$\mathcal{O}(4; \{2^2, 4^{16}, 8^2\})$	4398046511104
8	$\mathcal{O}(4; \{2^{21}, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^{18}, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^{15}, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^{12}, 4^7, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^9, 4^9, 8^4\})$	549755813888
8	$\mathcal{O}(4; \{2^6, 4^{11}, 8^4\})$	2199023255552
8	$\mathcal{O}(4; \{2^3, 4^{13}, 8^4\})$	8796093022208
8	$\mathcal{O}(4; \{4^{15}, 8^4\})$	35184372088832
8	$\mathcal{O}(4; \{2^{19}, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^{16}, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2^{13}, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^{10}, 4^6, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^7, 4^8, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^4, 4^{10}, 8^6\})$	17592186044416
8	$\mathcal{O}(4; \{2, 4^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(4; \{2^{14}, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{2^{11}, 4^3, 8^8\})$	2199023255552
8	$\mathcal{O}(4; \{2^8, 4^5, 8^8\})$	8796093022208
8	$\mathcal{O}(4; \{2^5, 4^7, 8^8\})$	35184372088832
8	$\mathcal{O}(4; \{2^2, 4^9, 8^8\})$	140737488355328
8	$\mathcal{O}(4; \{2^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(4; \{2^9, 4^2, 8^{10}\})$	17592186044416
8	$\mathcal{O}(4; \{2^6, 4^4, 8^{10}\})$	70368744177664
8	$\mathcal{O}(4; \{2^3, 4^6, 8^{10}\})$	281474976710656
8	$\mathcal{O}(4; \{4^8, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^7, 4, 8^{12}\})$	140737488355328
8	$\mathcal{O}(4; \{2^4, 4^3, 8^{12}\})$	562949953421312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2, 4^5, 8^{12}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^5, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^2, 4^2, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(4; \{4, 8^{16}\})$	36028797018963968
8	$\mathcal{O}(3; \{2^{30}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{27}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{24}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^{21}, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^{18}, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^{15}, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{12}, 4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^9, 4^{14}, 8^2\})$	17179869184
8	$\mathcal{O}(3; \{2^6, 4^{16}, 8^2\})$	68719476736
8	$\mathcal{O}(3; \{2^3, 4^{18}, 8^2\})$	274877906944
8	$\mathcal{O}(3; \{4^{20}, 8^2\})$	1099511627776
8	$\mathcal{O}(3; \{2^{25}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^{22}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^{19}, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^{16}, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{2^{13}, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{10}, 4^{11}, 8^4\})$	34359738368
8	$\mathcal{O}(3; \{2^7, 4^{13}, 8^4\})$	137438953472
8	$\mathcal{O}(3; \{2^4, 4^{15}, 8^4\})$	549755813888
8	$\mathcal{O}(3; \{2, 4^{17}, 8^4\})$	2199023255552
8	$\mathcal{O}(3; \{2^{23}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^{20}, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^{17}, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^{14}, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{11}, 4^8, 8^6\})$	68719476736
8	$\mathcal{O}(3; \{2^8, 4^{10}, 8^6\})$	274877906944
8	$\mathcal{O}(3; \{2^5, 4^{12}, 8^6\})$	1099511627776
8	$\mathcal{O}(3; \{2^2, 4^{14}, 8^6\})$	4398046511104
8	$\mathcal{O}(3; \{2^{18}, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^{15}, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^{12}, 4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^9, 4^7, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^6, 4^9, 8^8\})$	2199023255552
8	$\mathcal{O}(3; \{2^3, 4^{11}, 8^8\})$	8796093022208
8	$\mathcal{O}(3; \{4^{13}, 8^8\})$	35184372088832
8	$\mathcal{O}(3; \{2^{16}, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2^{13}, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(3; \{2^{10}, 4^4, 8^{10}\})$	1099511627776
8	$\mathcal{O}(3; \{2^7, 4^6, 8^{10}\})$	4398046511104

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^4, 4^8, 8^{10}\})$	17592186044416
8	$\mathcal{O}(3; \{2, 4^{10}, 8^{10}\})$	70368744177664
8	$\mathcal{O}(3; \{2^{11}, 4, 8^{12}\})$	2199023255552
8	$\mathcal{O}(3; \{2^8, 4^3, 8^{12}\})$	8796093022208
8	$\mathcal{O}(3; \{2^5, 4^5, 8^{12}\})$	35184372088832
8	$\mathcal{O}(3; \{2^2, 4^7, 8^{12}\})$	140737488355328
8	$\mathcal{O}(3; \{2^9, 8^{14}\})$	17592186044416
8	$\mathcal{O}(3; \{2^6, 4^2, 8^{14}\})$	70368744177664
8	$\mathcal{O}(3; \{2^3, 4^4, 8^{14}\})$	281474976710656
8	$\mathcal{O}(3; \{4^6, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(3; \{2^4, 4, 8^{16}\})$	562949953421312
8	$\mathcal{O}(3; \{2, 4^3, 8^{16}\})$	2251799813685248
8	$\mathcal{O}(3; \{2^2, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(2; \{2^{34}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{31}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{28}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{25}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{22}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^{19}, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{16}, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2^{13}, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{10}, 4^{16}, 8^2\})$	1073741824
8	$\mathcal{O}(2; \{2^7, 4^{18}, 8^2\})$	4294967296
8	$\mathcal{O}(2; \{2^4, 4^{20}, 8^2\})$	17179869184
8	$\mathcal{O}(2; \{2, 4^{22}, 8^2\})$	68719476736
8	$\mathcal{O}(2; \{2^{29}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{26}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{23}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^{20}, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^{17}, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{14}, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{11}, 4^{13}, 8^4\})$	2147483648
8	$\mathcal{O}(2; \{2^8, 4^{15}, 8^4\})$	8589934592
8	$\mathcal{O}(2; \{2^5, 4^{17}, 8^4\})$	34359738368
8	$\mathcal{O}(2; \{2^2, 4^{19}, 8^4\})$	137438953472
8	$\mathcal{O}(2; \{2^{27}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{24}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^{21}, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^{18}, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^{15}, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^{12}, 4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^9, 4^{12}, 8^6\})$	17179869184
8	$\mathcal{O}(2; \{2^6, 4^{14}, 8^6\})$	68719476736

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^3, 4^{16}, 8^6\})$	274877906944
8	$\mathcal{O}(2; \{4^{18}, 8^6\})$	1099511627776
8	$\mathcal{O}(2; \{2^{22}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^{19}, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^{16}, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^{13}, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{10}, 4^9, 8^8\})$	34359738368
8	$\mathcal{O}(2; \{2^7, 4^{11}, 8^8\})$	137438953472
8	$\mathcal{O}(2; \{2^4, 4^{13}, 8^8\})$	549755813888
8	$\mathcal{O}(2; \{2, 4^{15}, 8^8\})$	2199023255552
8	$\mathcal{O}(2; \{2^{20}, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^{17}, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^{14}, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^{11}, 4^6, 8^{10}\})$	68719476736
8	$\mathcal{O}(2; \{2^8, 4^8, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^5, 4^{10}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(2; \{2^2, 4^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(2; \{2^{15}, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{2^{12}, 4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2^9, 4^5, 8^{12}\})$	549755813888
8	$\mathcal{O}(2; \{2^6, 4^7, 8^{12}\})$	2199023255552
8	$\mathcal{O}(2; \{2^3, 4^9, 8^{12}\})$	8796093022208
8	$\mathcal{O}(2; \{4^{11}, 8^{12}\})$	35184372088832
8	$\mathcal{O}(2; \{2^{13}, 8^{14}\})$	274877906944
8	$\mathcal{O}(2; \{2^{10}, 4^2, 8^{14}\})$	1099511627776
8	$\mathcal{O}(2; \{2^7, 4^4, 8^{14}\})$	4398046511104
8	$\mathcal{O}(2; \{2^4, 4^6, 8^{14}\})$	17592186044416
8	$\mathcal{O}(2; \{2, 4^8, 8^{14}\})$	70368744177664
8	$\mathcal{O}(2; \{2^8, 4, 8^{16}\})$	8796093022208
8	$\mathcal{O}(2; \{2^5, 4^3, 8^{16}\})$	35184372088832
8	$\mathcal{O}(2; \{2^2, 4^5, 8^{16}\})$	140737488355328
8	$\mathcal{O}(2; \{2^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(2; \{2^3, 4^2, 8^{18}\})$	281474976710656
8	$\mathcal{O}(2; \{4^4, 8^{18}\})$	1125899906842624
8	$\mathcal{O}(2; \{2, 4, 8^{20}\})$	2251799813685248
8	$\mathcal{O}(1; \{2^{38}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{35}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{32}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{29}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{26}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{23}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^{20}, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^{17}, 4^{14}, 8^2\})$	4194304

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{14}, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{11}, 4^{18}, 8^2\})$	67108864
8	$\mathcal{O}(1; \{2^8, 4^{20}, 8^2\})$	268435456
8	$\mathcal{O}(1; \{2^5, 4^{22}, 8^2\})$	1073741824
8	$\mathcal{O}(1; \{2^2, 4^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(1; \{2^{33}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{30}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{27}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{24}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^{21}, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^{18}, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{15}, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{12}, 4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^9, 4^{17}, 8^4\})$	536870912
8	$\mathcal{O}(1; \{2^6, 4^{19}, 8^4\})$	2147483648
8	$\mathcal{O}(1; \{2^3, 4^{21}, 8^4\})$	8589934592
8	$\mathcal{O}(1; \{4^{23}, 8^4\})$	34359738368
8	$\mathcal{O}(1; \{2^{31}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{28}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{25}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{22}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{19}, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^{16}, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{13}, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{10}, 4^{14}, 8^6\})$	1073741824
8	$\mathcal{O}(1; \{2^7, 4^{16}, 8^6\})$	4294967296
8	$\mathcal{O}(1; \{2^4, 4^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(1; \{2, 4^{20}, 8^6\})$	68719476736
8	$\mathcal{O}(1; \{2^{26}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{23}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^{20}, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^{17}, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^{14}, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{11}, 4^{11}, 8^8\})$	2147483648
8	$\mathcal{O}(1; \{2^8, 4^{13}, 8^8\})$	8589934592
8	$\mathcal{O}(1; \{2^5, 4^{15}, 8^8\})$	34359738368
8	$\mathcal{O}(1; \{2^2, 4^{17}, 8^8\})$	137438953472
8	$\mathcal{O}(1; \{2^{24}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^{21}, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^{18}, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^{15}, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{12}, 4^8, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^9, 4^{10}, 8^{10}\})$	17179869184

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^6, 4^{12}, 8^{10}\})$	68719476736
8	$\mathcal{O}(1; \{2^3, 4^{14}, 8^{10}\})$	274877906944
8	$\mathcal{O}(1; \{4^{16}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{19}, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^{16}, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^{13}, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^{10}, 4^7, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^7, 4^9, 8^{12}\})$	137438953472
8	$\mathcal{O}(1; \{2^4, 4^{11}, 8^{12}\})$	549755813888
8	$\mathcal{O}(1; \{2, 4^{13}, 8^{12}\})$	2199023255552
8	$\mathcal{O}(1; \{2^{17}, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^{14}, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{2^{11}, 4^4, 8^{14}\})$	68719476736
8	$\mathcal{O}(1; \{2^8, 4^6, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^5, 4^8, 8^{14}\})$	1099511627776
8	$\mathcal{O}(1; \{2^2, 4^{10}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(1; \{2^{12}, 4, 8^{16}\})$	137438953472
8	$\mathcal{O}(1; \{2^9, 4^3, 8^{16}\})$	549755813888
8	$\mathcal{O}(1; \{2^6, 4^5, 8^{16}\})$	2199023255552
8	$\mathcal{O}(1; \{2^3, 4^7, 8^{16}\})$	8796093022208
8	$\mathcal{O}(1; \{4^9, 8^{16}\})$	35184372088832
8	$\mathcal{O}(1; \{2^{10}, 8^{18}\})$	1099511627776
8	$\mathcal{O}(1; \{2^7, 4^2, 8^{18}\})$	4398046511104
8	$\mathcal{O}(1; \{2^4, 4^4, 8^{18}\})$	17592186044416
8	$\mathcal{O}(1; \{2, 4^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(1; \{2^5, 4, 8^{20}\})$	35184372088832
8	$\mathcal{O}(1; \{2^2, 4^3, 8^{20}\})$	140737488355328
8	$\mathcal{O}(1; \{2^3, 8^{22}\})$	281474976710656
8	$\mathcal{O}(1; \{4^2, 8^{22}\})$	1125899906842624
8	$\mathcal{O}(0; \{2^{42}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{39}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{36}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{33}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{30}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{27}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{24}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^{21}, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{18}, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{15}, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{12}, 4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^9, 4^{22}, 8^2\})$	16777216
8	$\mathcal{O}(0; \{2^6, 4^{24}, 8^2\})$	67108864
8	$\mathcal{O}(0; \{2^3, 4^{26}, 8^2\})$	268435456

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{4^{28}, 8^2\})$	1073741824
8	$\mathcal{O}(0; \{2^{37}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{34}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{31}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{28}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{25}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{22}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{19}, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{16}, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{13}, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{10}, 4^{19}, 8^4\})$	33554432
8	$\mathcal{O}(0; \{2^7, 4^{21}, 8^4\})$	134217728
8	$\mathcal{O}(0; \{2^4, 4^{23}, 8^4\})$	536870912
8	$\mathcal{O}(0; \{2, 4^{25}, 8^4\})$	2147483648
8	$\mathcal{O}(0; \{2^{35}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{32}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{29}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{26}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{23}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{20}, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{17}, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{14}, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{11}, 4^{16}, 8^6\})$	67108864
8	$\mathcal{O}(0; \{2^8, 4^{18}, 8^6\})$	268435456
8	$\mathcal{O}(0; \{2^5, 4^{20}, 8^6\})$	1073741824
8	$\mathcal{O}(0; \{2^2, 4^{22}, 8^6\})$	4294967296
8	$\mathcal{O}(0; \{2^{30}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{27}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{24}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^{21}, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^{18}, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{15}, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{12}, 4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^9, 4^{15}, 8^8\})$	536870912
8	$\mathcal{O}(0; \{2^6, 4^{17}, 8^8\})$	2147483648
8	$\mathcal{O}(0; \{2^3, 4^{19}, 8^8\})$	8589934592
8	$\mathcal{O}(0; \{4^{21}, 8^8\})$	34359738368
8	$\mathcal{O}(0; \{2^{28}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{25}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{22}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^{19}, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^{16}, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{13}, 4^{10}, 8^{10}\})$	268435456

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{10}, 4^{12}, 8^{10}\})$	1073741824
8	$\mathcal{O}(0; \{2^7, 4^{14}, 8^{10}\})$	4294967296
8	$\mathcal{O}(0; \{2^4, 4^{16}, 8^{10}\})$	17179869184
8	$\mathcal{O}(0; \{2, 4^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(0; \{2^{23}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^{20}, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^{17}, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^{14}, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^{11}, 4^9, 8^{12}\})$	2147483648
8	$\mathcal{O}(0; \{2^8, 4^{11}, 8^{12}\})$	8589934592
8	$\mathcal{O}(0; \{2^5, 4^{13}, 8^{12}\})$	34359738368
8	$\mathcal{O}(0; \{2^2, 4^{15}, 8^{12}\})$	137438953472
8	$\mathcal{O}(0; \{2^{21}, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^{18}, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^{15}, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^{12}, 4^6, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^9, 4^8, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^6, 4^{10}, 8^{14}\})$	68719476736
8	$\mathcal{O}(0; \{2^3, 4^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(0; \{4^{14}, 8^{14}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{16}, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2^{13}, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^{10}, 4^5, 8^{16}\})$	34359738368
8	$\mathcal{O}(0; \{2^7, 4^7, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^4, 4^9, 8^{16}\})$	549755813888
8	$\mathcal{O}(0; \{2, 4^{11}, 8^{16}\})$	2199023255552
8	$\mathcal{O}(0; \{2^{14}, 8^{18}\})$	17179869184
8	$\mathcal{O}(0; \{2^{11}, 4^2, 8^{18}\})$	68719476736
8	$\mathcal{O}(0; \{2^8, 4^4, 8^{18}\})$	274877906944
8	$\mathcal{O}(0; \{2^5, 4^6, 8^{18}\})$	1099511627776
8	$\mathcal{O}(0; \{2^2, 4^8, 8^{18}\})$	4398046511104
8	$\mathcal{O}(0; \{2^9, 4, 8^{20}\})$	549755813888
8	$\mathcal{O}(0; \{2^6, 4^3, 8^{20}\})$	2199023255552
8	$\mathcal{O}(0; \{2^3, 4^5, 8^{20}\})$	8796093022208
8	$\mathcal{O}(0; \{4^7, 8^{20}\})$	35184372088832
8	$\mathcal{O}(0; \{2^7, 8^{22}\})$	4398046511104
8	$\mathcal{O}(0; \{2^4, 4^2, 8^{22}\})$	17592186044416
8	$\mathcal{O}(0; \{2, 4^4, 8^{22}\})$	70368744177664
8	$\mathcal{O}(0; \{2^2, 4, 8^{24}\})$	140737488355328
8	$\mathcal{O}(0; \{8^{26}\})$	1125899906842624
9	$\mathcal{O}(9; \{3, 9^2\})$	1801135623563989452
9	$\mathcal{O}(8; \{3^4, 9^2\})$	177889938129776736
9	$\mathcal{O}(8; \{9^5\})$	1500946352969991210

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(7; \{3^7, 9^2\})$	17569376605410048
9	$\mathcal{O}(7; \{3^3, 9^5\})$	148241615108147280
9	$\mathcal{O}(6; \{3^{10}, 9^2\})$	1735247072139264
9	$\mathcal{O}(6; \{3^6, 9^5\})$	14641147171175040
9	$\mathcal{O}(6; \{3^2, 9^8\})$	21247964832167768
9	$\mathcal{O}(5; \{3^{13}, 9^2\})$	171382426877952
9	$\mathcal{O}(5; \{3^9, 9^5\})$	1446039226782720
9	$\mathcal{O}(5; \{3^5, 9^8\})$	20985644278684224
9	$\mathcal{O}(5; \{3, 9^{11}\})$	280835504177101236
9	$\mathcal{O}(4; \{3^{16}, 9^2\})$	16926659444736
9	$\mathcal{O}(4; \{3^{12}, 9^5\})$	142818689064960
9	$\mathcal{O}(4; \{3^8, 9^8\})$	2072656225055232
9	$\mathcal{O}(4; \{3^4, 9^{11}\})$	27736839918726048
9	$\mathcal{O}(4; \{9^{14}\})$	374859121166990946
9	$\mathcal{O}(3; \{3^{19}, 9^2\})$	1671768834048
9	$\mathcal{O}(3; \{3^{15}, 9^5\})$	14105549537280
9	$\mathcal{O}(3; \{3^{11}, 9^8\})$	204706787659776
9	$\mathcal{O}(3; \{3^7, 9^{11}\})$	2739440979627264
9	$\mathcal{O}(3; \{3^3, 9^{14}\})$	37023123078221328
9	$\mathcal{O}(2; \{3^{22}, 9^2\})$	165112971264
9	$\mathcal{O}(2; \{3^{18}, 9^5\})$	1393140695040
9	$\mathcal{O}(2; \{3^{14}, 9^8\})$	20217954336768
9	$\mathcal{O}(2; \{3^{10}, 9^{11}\})$	270562072061952
9	$\mathcal{O}(2; \{3^6, 9^{14}\})$	3656604748466304
9	$\mathcal{O}(2; \{3^2, 9^{17}\})$	49357385795419560
9	$\mathcal{O}(1; \{3^{25}, 9^2\})$	16307453952
9	$\mathcal{O}(1; \{3^{21}, 9^5\})$	137594142720
9	$\mathcal{O}(1; \{3^{17}, 9^8\})$	1996834996224
9	$\mathcal{O}(1; \{3^{13}, 9^{11}\})$	26722179956736
9	$\mathcal{O}(1; \{3^9, 9^{14}\})$	361146147996672
9	$\mathcal{O}(1; \{3^5, 9^{17}\})$	4874803535350080
9	$\mathcal{O}(1; \{3, 9^{20}\})$	65810977445372004
9	$\mathcal{O}(0; \{3^{28}, 9^2\})$	1610612736
9	$\mathcal{O}(0; \{3^{24}, 9^5\})$	13589544960
9	$\mathcal{O}(0; \{3^{20}, 9^8\})$	197218271232
9	$\mathcal{O}(0; \{3^{16}, 9^{11}\})$	2639227650048
9	$\mathcal{O}(0; \{3^{12}, 9^{14}\})$	35668755357696
9	$\mathcal{O}(0; \{3^8, 9^{17}\})$	481462077565440
9	$\mathcal{O}(0; \{3^4, 9^{20}\})$	6499849624234272
9	$\mathcal{O}(0; \{9^{23}\})$	87747781640805018
10	$\mathcal{O}(8; \{2^2, 5^2\})$	4000000000000000
10	$\mathcal{O}(8; \{5, 10^2\})$	12000000000000000
10	$\mathcal{O}(7; \{2^6, 5^2\})$	4000000000000000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(7; \{2, 5^4, 10\})$	2040000000000000
10	$\mathcal{O}(7; \{2^4, 5, 10^2\})$	1200000000000000
10	$\mathcal{O}(7; \{2^2, 10^4\})$	5200000000000000
10	$\mathcal{O}(6; \{2^{10}, 5^2\})$	4000000000000000
10	$\mathcal{O}(6; \{2^2, 5^7\})$	3276000000000000
10	$\mathcal{O}(6; \{2^5, 5^4, 10\})$	2040000000000000
10	$\mathcal{O}(6; \{2^8, 5, 10^2\})$	1200000000000000
10	$\mathcal{O}(6; \{5^6, 10^2\})$	13108000000000000
10	$\mathcal{O}(6; \{2^3, 5^3, 10^3\})$	8200000000000000
10	$\mathcal{O}(6; \{2^6, 10^4\})$	5200000000000000
10	$\mathcal{O}(6; \{2, 5^2, 10^5\})$	32760000000000000
10	$\mathcal{O}(5; \{2^{14}, 5^2\})$	4000000000000000
10	$\mathcal{O}(5; \{2^6, 5^7\})$	3276000000000000
10	$\mathcal{O}(5; \{2^9, 5^4, 10\})$	2040000000000000
10	$\mathcal{O}(5; \{2, 5^9, 10\})$	20971600000000000
10	$\mathcal{O}(5; \{2^{12}, 5, 10^2\})$	1200000000000000
10	$\mathcal{O}(5; \{2^4, 5^6, 10^2\})$	13108000000000000
10	$\mathcal{O}(5; \{2^7, 5^3, 10^3\})$	8200000000000000
10	$\mathcal{O}(5; \{2^{10}, 10^4\})$	5200000000000000
10	$\mathcal{O}(5; \{2^2, 5^5, 10^4\})$	52428000000000000
10	$\mathcal{O}(5; \{2^5, 5^2, 10^5\})$	32760000000000000
10	$\mathcal{O}(5; \{5^4, 10^6\})$	20971600000000000
10	$\mathcal{O}(5; \{2^3, 5, 10^7\})$	13108000000000000
10	$\mathcal{O}(5; \{2, 10^9\})$	52428000000000000
10	$\mathcal{O}(4; \{2^{18}, 5^2\})$	4000000000000000
10	$\mathcal{O}(4; \{2^{10}, 5^7\})$	3276000000000000
10	$\mathcal{O}(4; \{2^2, 5^{12}\})$	33554440000000000
10	$\mathcal{O}(4; \{2^{13}, 5^4, 10\})$	20400000000000000
10	$\mathcal{O}(4; \{2^5, 5^9, 10\})$	20971600000000000
10	$\mathcal{O}(4; \{2^{16}, 5, 10^2\})$	12000000000000000
10	$\mathcal{O}(4; \{2^8, 5^6, 10^2\})$	13108000000000000
10	$\mathcal{O}(4; \{5^{11}, 10^2\})$	13421772000000000
10	$\mathcal{O}(4; \{2^{11}, 5^3, 10^3\})$	8200000000000000
10	$\mathcal{O}(4; \{2^3, 5^8, 10^3\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{14}, 10^4\})$	5200000000000000
10	$\mathcal{O}(4; \{2^6, 5^5, 10^4\})$	52428000000000000
10	$\mathcal{O}(4; \{2^9, 5^2, 10^5\})$	32760000000000000
10	$\mathcal{O}(4; \{2, 5^7, 10^5\})$	33554440000000000
10	$\mathcal{O}(4; \{2^4, 5^4, 10^6\})$	20971600000000000
10	$\mathcal{O}(4; \{2^7, 5, 10^7\})$	13108000000000000
10	$\mathcal{O}(4; \{2^2, 5^3, 10^8\})$	83886000000000000
10	$\mathcal{O}(4; \{2^5, 10^9\})$	52428000000000000
10	$\mathcal{O}(4; \{5^2, 10^{10}\})$	33554440000000000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^{22}, 5^2\})$	4000000
10	$\mathcal{O}(3; \{2^{14}, 5^7\})$	327600000
10	$\mathcal{O}(3; \{2^6, 5^{12}\})$	3355444000000
10	$\mathcal{O}(3; \{2^{17}, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^9, 5^9, 10\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^{14}, 10\})$	214748364000000
10	$\mathcal{O}(3; \{2^{20}, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{2^{12}, 5^6, 10^2\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^{11}, 10^2\})$	13421772000000
10	$\mathcal{O}(3; \{2^{15}, 5^3, 10^3\})$	820000000
10	$\mathcal{O}(3; \{2^7, 5^8, 10^3\})$	838860000000
10	$\mathcal{O}(3; \{2^{18}, 10^4\})$	52000000
10	$\mathcal{O}(3; \{2^{10}, 5^5, 10^4\})$	52428000000
10	$\mathcal{O}(3; \{2^2, 5^{10}, 10^4\})$	53687092000000
10	$\mathcal{O}(3; \{2^{13}, 5^2, 10^5\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 5^7, 10^5\})$	3355444000000
10	$\mathcal{O}(3; \{2^8, 5^4, 10^6\})$	209716000000
10	$\mathcal{O}(3; \{5^9, 10^6\})$	214748364000000
10	$\mathcal{O}(3; \{2^{11}, 5, 10^7\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5^6, 10^7\})$	13421772000000
10	$\mathcal{O}(3; \{2^6, 5^3, 10^8\})$	838860000000
10	$\mathcal{O}(3; \{2^9, 10^9\})$	52428000000
10	$\mathcal{O}(3; \{2, 5^5, 10^9\})$	53687092000000
10	$\mathcal{O}(3; \{2^4, 5^2, 10^{10}\})$	3355444000000
10	$\mathcal{O}(3; \{2^2, 5, 10^{12}\})$	13421772000000
10	$\mathcal{O}(3; \{10^{14}\})$	53687092000000
10	$\mathcal{O}(2; \{2^{26}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^{18}, 5^7\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5^{12}\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^{17}\})$	34359738360000
10	$\mathcal{O}(2; \{2^{21}, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2^{13}, 5^9, 10\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^{14}, 10\})$	2147483640000
10	$\mathcal{O}(2; \{2^{24}, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{2^{16}, 5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^{11}, 10^2\})$	134217720000
10	$\mathcal{O}(2; \{5^{16}, 10^2\})$	137438953480000
10	$\mathcal{O}(2; \{2^{19}, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2^{11}, 5^8, 10^3\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^{13}, 10^3\})$	8589934600000
10	$\mathcal{O}(2; \{2^{22}, 10^4\})$	520000
10	$\mathcal{O}(2; \{2^{14}, 5^5, 10^4\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^{10}, 10^4\})$	536870920000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^{17}, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^7, 10^5\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^{12}, 10^5\})$	34359738360000
10	$\mathcal{O}(2; \{2^{12}, 5^4, 10^6\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^9, 10^6\})$	2147483640000
10	$\mathcal{O}(2; \{2^{15}, 5, 10^7\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^6, 10^7\})$	134217720000
10	$\mathcal{O}(2; \{2^{10}, 5^3, 10^8\})$	8388600000
10	$\mathcal{O}(2; \{2^2, 5^8, 10^8\})$	8589934600000
10	$\mathcal{O}(2; \{2^{13}, 10^9\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^5, 10^9\})$	536870920000
10	$\mathcal{O}(2; \{2^8, 5^2, 10^{10}\})$	33554440000
10	$\mathcal{O}(2; \{5^7, 10^{10}\})$	34359738360000
10	$\mathcal{O}(2; \{2^3, 5^4, 10^{11}\})$	2147483640000
10	$\mathcal{O}(2; \{2^6, 5, 10^{12}\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^3, 10^{13}\})$	8589934600000
10	$\mathcal{O}(2; \{2^4, 10^{14}\})$	536870920000
10	$\mathcal{O}(1; \{2^{30}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^{22}, 5^7\})$	327600
10	$\mathcal{O}(1; \{2^{14}, 5^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^{17}\})$	343597383600
10	$\mathcal{O}(1; \{2^{25}, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^{17}, 5^9, 10\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^{14}, 10\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^{19}, 10\})$	21990232555600
10	$\mathcal{O}(1; \{2^{28}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^{20}, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{2^{12}, 5^{11}, 10^2\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^{16}, 10^2\})$	1374389534800
10	$\mathcal{O}(1; \{2^{23}, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^{15}, 5^8, 10^3\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^{13}, 10^3\})$	85899346000
10	$\mathcal{O}(1; \{2^{26}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^{18}, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^{10}, 10^4\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^{15}, 10^4\})$	5497558138800
10	$\mathcal{O}(1; \{2^{21}, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{2^{13}, 5^7, 10^5\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^{12}, 10^5\})$	343597383600
10	$\mathcal{O}(1; \{2^{16}, 5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^9, 10^6\})$	21474836400
10	$\mathcal{O}(1; \{5^{14}, 10^6\})$	21990232555600
10	$\mathcal{O}(1; \{2^{19}, 5, 10^7\})$	1310800

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{11}, 5^6, 10^7\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^{11}, 10^7\})$	1374389534800
10	$\mathcal{O}(1; \{2^{14}, 5^3, 10^8\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^8, 10^8\})$	85899346000
10	$\mathcal{O}(1; \{2^{17}, 10^9\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^5, 10^9\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^{10}, 10^9\})$	5497558138800
10	$\mathcal{O}(1; \{2^{12}, 5^2, 10^{10}\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^7, 10^{10}\})$	343597383600
10	$\mathcal{O}(1; \{2^7, 5^4, 10^{11}\})$	21474836400
10	$\mathcal{O}(1; \{2^{10}, 5, 10^{12}\})$	1342177200
10	$\mathcal{O}(1; \{2^2, 5^6, 10^{12}\})$	1374389534800
10	$\mathcal{O}(1; \{2^5, 5^3, 10^{13}\})$	85899346000
10	$\mathcal{O}(1; \{2^8, 10^{14}\})$	5368709200
10	$\mathcal{O}(1; \{5^5, 10^{14}\})$	5497558138800
10	$\mathcal{O}(1; \{2^3, 5^2, 10^{15}\})$	343597383600
10	$\mathcal{O}(1; \{2, 5, 10^{17}\})$	1374389534800
10	$\mathcal{O}(0; \{2^{34}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{26}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^{18}, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^{17}\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{22}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{29}, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^{21}, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2^{13}, 5^{14}, 10\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^{19}, 10\})$	219902325556
10	$\mathcal{O}(0; \{2^{32}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^{24}, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^{16}, 5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^{16}, 10^2\})$	13743895348
10	$\mathcal{O}(0; \{5^{21}, 10^2\})$	14073748835532
10	$\mathcal{O}(0; \{2^{27}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^{19}, 5^8, 10^3\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^{13}, 10^3\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{18}, 10^3\})$	879609302220
10	$\mathcal{O}(0; \{2^{30}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^{22}, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^{14}, 5^{10}, 10^4\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^{15}, 10^4\})$	54975581388
10	$\mathcal{O}(0; \{2^{25}, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2^{17}, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^{12}, 10^5\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{17}, 10^5\})$	3518437208884

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{20}, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^9, 10^6\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{14}, 10^6\})$	219902325556
10	$\mathcal{O}(0; \{2^{23}, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2^{15}, 5^6, 10^7\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^{11}, 10^7\})$	13743895348
10	$\mathcal{O}(0; \{2^{18}, 5^3, 10^8\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^8, 10^8\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^{13}, 10^8\})$	879609302220
10	$\mathcal{O}(0; \{2^{21}, 10^9\})$	52428
10	$\mathcal{O}(0; \{2^{13}, 5^5, 10^9\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^{10}, 10^9\})$	54975581388
10	$\mathcal{O}(0; \{2^{16}, 5^2, 10^{10}\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^7, 10^{10}\})$	3435973836
10	$\mathcal{O}(0; \{5^{12}, 10^{10}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{11}, 5^4, 10^{11}\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^9, 10^{11}\})$	219902325556
10	$\mathcal{O}(0; \{2^{14}, 5, 10^{12}\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5^6, 10^{12}\})$	13743895348
10	$\mathcal{O}(0; \{2^9, 5^3, 10^{13}\})$	858993460
10	$\mathcal{O}(0; \{2, 5^8, 10^{13}\})$	879609302220
10	$\mathcal{O}(0; \{2^{12}, 10^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^5, 10^{14}\})$	54975581388
10	$\mathcal{O}(0; \{2^7, 5^2, 10^{15}\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^4, 10^{16}\})$	219902325556
10	$\mathcal{O}(0; \{2^5, 5, 10^{17}\})$	13743895348
10	$\mathcal{O}(0; \{5^3, 10^{18}\})$	879609302220
10	$\mathcal{O}(0; \{2^3, 10^{19}\})$	54975581388
11	$\mathcal{O}(4; \{11^{10}\})$	194871710194871710
12	$\mathcal{O}(7; \{12^2\})$	5135673858195456
12	$\mathcal{O}(6; \{2^2, 3^2, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{3, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{2^3, 3, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{3, 4^3, 12\})$	142657607172096
12	$\mathcal{O}(6; \{3^2, 4, 6, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2, 4, 6^2, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^4, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{3^3, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2, 4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3, 6, 12^2\})$	106993205379072
12	$\mathcal{O}(5; \{2^6, 3^2, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^5, 4^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 3^2, 4^4\})$	990677827584

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{3^2, 4^6\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3^3, 4^2, 6\})$	743008370688
12	$\mathcal{O}(5; \{3^3, 4^4, 6\})$	2972033482752
12	$\mathcal{O}(5; \{2^4, 3, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{3^4, 4^2, 6^2\})$	2724364025856
12	$\mathcal{O}(5; \{2, 3, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^2, 4^2, 6^3\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 4^2, 6^4\})$	743008370688
12	$\mathcal{O}(5; \{2^7, 3, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^4, 4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 3, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^4, 4^3, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3^2, 4, 6, 12\})$	743008370688
12	$\mathcal{O}(5; \{3^5, 4, 6, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3^2, 4^3, 6, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^5, 4, 6^2, 12\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^3, 4, 6^2, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 4^3, 6^2, 12\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3, 4, 6^3, 12\})$	1238347284480
12	$\mathcal{O}(5; \{4, 6^5, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^8, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^4, 3^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^6, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^5, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^3, 4^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3, 6, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^4, 6, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3, 4^2, 6, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3^2, 6^2, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 6^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{4^2, 6^3, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{3, 6^4, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^2, 4, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{2^3, 4, 6, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{4^3, 6, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{3, 4, 6^2, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^3, 3, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{3, 4^2, 12^4\})$	19813556551680
12	$\mathcal{O}(5; \{3^2, 6, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2, 6^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{2, 4, 12^5\})$	19813556551680

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^{10}, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^5, 4^2\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^8, 4^2\})$	73956851712
12	$\mathcal{O}(4; \{2^7, 3^2, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^5, 4^4\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3^2, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{3^5, 4^6\})$	137594142720
12	$\mathcal{O}(4; \{2, 3^2, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3^3, 4^2, 6\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^6, 4^2, 6\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3^3, 4^4, 6\})$	20639121408
12	$\mathcal{O}(4; \{3^6, 4^4, 6\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^3, 4^6, 6\})$	82556485632
12	$\mathcal{O}(4; \{2^8, 3, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 3^4, 4^2, 6^2\})$	18919194624
12	$\mathcal{O}(4; \{3^7, 4^2, 6^2\})$	146193776640
12	$\mathcal{O}(4; \{2^5, 3, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2, 3^4, 4^4, 6^2\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{2^5, 3^2, 4^2, 6^3\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^5, 4^2, 6^3\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 3^2, 4^4, 6^3\})$	34398535680
12	$\mathcal{O}(4; \{2^6, 4^2, 6^4\})$	5159780352
12	$\mathcal{O}(4; \{2^2, 3^3, 4^2, 6^4\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 4^4, 6^4\})$	20639121408
12	$\mathcal{O}(4; \{4^6, 6^4\})$	82556485632
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 6^5\})$	18919194624
12	$\mathcal{O}(4; \{3, 4^4, 6^5\})$	75676778496
12	$\mathcal{O}(4; \{3^2, 4^2, 6^6\})$	73956851712
12	$\mathcal{O}(4; \{2, 4^2, 6^7\})$	36118462464
12	$\mathcal{O}(4; \{2^{11}, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^4, 4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^7, 4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 3, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^4, 4^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^7, 4^3, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 3, 4^5, 12\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^4, 4^5, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3^2, 4, 6, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^5, 4, 6, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^8, 4, 6, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3^2, 4^3, 6, 12\})$	20639121408

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2, 3^5, 4^3, 6, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^2, 4^5, 6, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^9, 4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^3, 4, 6^2, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^6, 4, 6^2, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 4^3, 6^2, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^3, 4^3, 6^2, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 4^5, 6^2, 12\})$	27518828544
12	$\mathcal{O}(4; \{4^7, 6^2, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^6, 3, 4, 6^3, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^4, 4, 6^3, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 3, 4^3, 6^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{3, 4^5, 6^3, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3^2, 4, 6^4, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^2, 4^3, 6^4, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 4, 6^5, 12\})$	18919194624
12	$\mathcal{O}(4; \{3^3, 4, 6^5, 12\})$	146193776640
12	$\mathcal{O}(4; \{2, 4^3, 6^5, 12\})$	75676778496
12	$\mathcal{O}(4; \{2, 3, 4, 6^6, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^{12}, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^9, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^9, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^3, 4^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^6, 4^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^6, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^3, 4^4, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{4^8, 12^2\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^4, 6, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^7, 6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3, 4^2, 6, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^4, 4^2, 6, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3, 4^4, 6, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{3, 4^6, 6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^6, 3^2, 6^2, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^5, 6^2, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 6^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^2, 4^4, 6^2, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^7, 6^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^3, 6^3, 12^2\})$	73956851712

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 4^2, 6^3, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{3^3, 4^2, 6^3, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2, 4^4, 6^3, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 3, 6^4, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{3^4, 6^4, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^4, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^2, 6^5, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 6^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^6, 3^2, 4, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^5, 4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3^2, 4^3, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{3^2, 4^5, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^7, 4, 6, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^3, 4, 6, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 4^3, 6, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{3^3, 4^3, 6, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2, 4^5, 6, 12^3\})$	330225942528
12	$\mathcal{O}(4; \{2^4, 3, 4, 6^2, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{3^4, 4, 6^2, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2, 3, 4^3, 6^2, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^2, 4, 6^3, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 4, 6^4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2^7, 3, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{3^4, 4^2, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2, 3, 4^4, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{2^4, 3^2, 6, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3^5, 6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^5, 6^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^3, 6^2, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 4^2, 6^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3, 6^3, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{6^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 4, 12^5\})$	137594142720
12	$\mathcal{O}(4; \{2, 3^3, 4, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 4^3, 12^5\})$	550376570880
12	$\mathcal{O}(4; \{2^2, 3, 4, 6, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{4, 6^3, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 3^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 6, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{4^2, 6, 12^6\})$	2311581597696

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3, 6^2, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{3, 4, 12^7\})$	4733238509568
12	$\mathcal{O}(4; \{2, 12^8\})$	4733238509568
12	$\mathcal{O}(3; \{2^{14}, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^8, 4^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^{11}, 4^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^5, 4^4\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^8, 4^4\})$	2054356992
12	$\mathcal{O}(3; \{2^8, 3^2, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^5, 4^6\})$	955514880
12	$\mathcal{O}(3; \{3^8, 4^6\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 3^2, 4^8\})$	764411904
12	$\mathcal{O}(3; \{2, 3^5, 4^8\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3^2, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^6, 4^2, 6\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^9, 4^2, 6\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3^3, 4^4, 6\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^6, 4^4, 6\})$	1003290624
12	$\mathcal{O}(3; \{3^9, 4^4, 6\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3^3, 4^6, 6\})$	573308928
12	$\mathcal{O}(3; \{2, 3^6, 4^6, 6\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^3, 4^8, 6\})$	2293235712
12	$\mathcal{O}(3; \{2^{12}, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^8, 3^4, 4^2, 6^2\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^7, 4^2, 6^2\})$	1015234560
12	$\mathcal{O}(3; \{3^{10}, 4^2, 6^2\})$	8157708288
12	$\mathcal{O}(3; \{2^9, 3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^4, 4^4, 6^2\})$	525533184
12	$\mathcal{O}(3; \{2, 3^7, 4^4, 6^2\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 3, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^2, 3^4, 4^6, 6^2\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{3, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{2^9, 3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^5, 4^2, 6^3\})$	513589248
12	$\mathcal{O}(3; \{2, 3^8, 4^2, 6^3\})$	4072882176
12	$\mathcal{O}(3; \{2^6, 3^2, 4^4, 6^3\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^5, 4^4, 6^3\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^2, 4^6, 6^3\})$	955514880
12	$\mathcal{O}(3; \{3^2, 4^8, 6^3\})$	3822059520

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{10}, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^6, 3^3, 4^2, 6^4\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^6, 4^2, 6^4\})$	2042413056
12	$\mathcal{O}(3; \{2^7, 4^4, 6^4\})$	143327232
12	$\mathcal{O}(3; \{2^3, 3^3, 4^4, 6^4\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 4^6, 6^4\})$	573308928
12	$\mathcal{O}(3; \{3^3, 4^6, 6^4\})$	4013162496
12	$\mathcal{O}(3; \{2, 4^8, 6^4\})$	2293235712
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 6^5\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 6^5\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 6^5\})$	525533184
12	$\mathcal{O}(3; \{3^4, 4^4, 6^5\})$	4060938240
12	$\mathcal{O}(3; \{2, 3, 4^6, 6^5\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6^6\})$	513589248
12	$\mathcal{O}(3; \{3^5, 4^2, 6^6\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6^6\})$	2054356992
12	$\mathcal{O}(3; \{2^5, 4^2, 6^7\})$	250822656
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^7\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 4^4, 6^7\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^8\})$	1015234560
12	$\mathcal{O}(3; \{4^2, 6^{10}\})$	2042413056
12	$\mathcal{O}(3; \{2^{15}, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^7, 4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^{10}, 4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{12}, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^4, 4^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^7, 4^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^{10}, 4^3, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^4, 4^5, 12\})$	955514880
12	$\mathcal{O}(3; \{2, 3^7, 4^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 3, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^4, 4^7, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 3, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{3, 4^{11}, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^5, 4, 6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^8, 4, 6, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^{11}, 4, 6, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^5, 4^3, 6, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^8, 4^3, 6, 12\})$	8169652224

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^6, 3^2, 4^5, 6, 12\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^5, 4^5, 6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^2, 4^7, 6, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^2, 4^9, 6, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{13}, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^6, 4, 6^2, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^9, 4, 6^2, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^3, 4^3, 6^2, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^6, 4^3, 6^2, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 4^5, 6^2, 12\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^3, 4^5, 6^2, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 4^7, 6^2, 12\})$	764411904
12	$\mathcal{O}(3; \{3^3, 4^7, 6^2, 12\})$	8408530944
12	$\mathcal{O}(3; \{2, 4^9, 6^2, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{10}, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^4, 4, 6^3, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^7, 4, 6^3, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 3, 4^3, 6^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^4, 4^3, 6^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3, 4^5, 6^3, 12\})$	955514880
12	$\mathcal{O}(3; \{3^4, 4^5, 6^3, 12\})$	8217427968
12	$\mathcal{O}(3; \{2, 3, 4^7, 6^3, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^7, 3^2, 4, 6^4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^5, 4, 6^4, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 3^2, 4^3, 6^4, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^5, 4^3, 6^4, 12\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^2, 4^5, 6^4, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^8, 4, 6^5, 12\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 6^5, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^6, 4, 6^5, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 4^3, 6^5, 12\})$	525533184
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 6^5, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 4^5, 6^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3, 4, 6^6, 12\})$	513589248
12	$\mathcal{O}(3; \{2, 3^4, 4, 6^6, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6^6, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^7, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 4, 6^8, 12\})$	1015234560
12	$\mathcal{O}(3; \{4^3, 6^8, 12\})$	4060938240
12	$\mathcal{O}(3; \{3, 4, 6^9, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{16}, 12^2\})$	11943936

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{12}, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^{12}, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{13}, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^6, 4^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^9, 4^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^{10}, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^3, 4^4, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^6, 4^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^3, 4^6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^4, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{3^3, 4^8, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2, 4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^7, 6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{10}, 6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^4, 4^2, 6, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^7, 4^2, 6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3, 4^4, 6, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^4, 4^4, 6, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3, 4^6, 6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{3^4, 4^6, 6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2, 3, 4^8, 6, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{10}, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^5, 6^2, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^8, 6^2, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 6^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 6^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 6^2, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^5, 4^4, 6^2, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 6^2, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^{11}, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^3, 6^3, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^6, 6^3, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 4^2, 6^3, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6^3, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^6, 4^2, 6^3, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 4^4, 6^3, 12^2\})$	955514880

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6^3, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 4^6, 6^3, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2^8, 3, 6^4, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^4, 6^4, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^7, 6^4, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^4, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^4, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3^2, 6^5, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^5, 6^5, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^5, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 6^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^3, 6^6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 4^2, 6^6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{4^4, 6^6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3, 6^7, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3, 4^2, 6^7, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{3^2, 6^8, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2, 6^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^5, 4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^8, 4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3^2, 4^3, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^5, 4^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3^2, 4^5, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{3^5, 4^5, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^2, 4^7, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^{11}, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^3, 4, 6, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^6, 4, 6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 4^3, 6, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^3, 4^3, 6, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^6, 4^3, 6, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 4^5, 6, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^3, 4^5, 6, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 4^7, 6, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{2^8, 3, 4, 6^2, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 6^2, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^7, 4, 6^2, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 6^2, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 6^2, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 6^2, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6^3, 12^3\})$	2054356992

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^5, 4, 6^3, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 4, 6^4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 4^3, 6^4, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{4^5, 6^4, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^5, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3, 4^3, 6^5, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{3^2, 4, 6^6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2, 4, 6^7, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^{11}, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^7, 4^2, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{2^8, 3^2, 6, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^5, 6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^8, 6, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^9, 6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^3, 6^2, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^6, 6^2, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 4^2, 6^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 4^4, 6^2, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{4^6, 6^2, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^6, 3, 6^3, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^4, 6^3, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^3, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3, 4^4, 6^3, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3^2, 6^4, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^2, 4^2, 6^4, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 6^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{3^3, 6^5, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2, 4^2, 6^5, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2, 3, 6^6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 4, 12^5\})$	955514880

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^6, 4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^6, 4^3, 12^5\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 4^5, 12^5\})$	15288238080
12	$\mathcal{O}(3; \{4^7, 12^5\})$	61152952320
12	$\mathcal{O}(3; \{2^6, 3, 4, 6, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{3, 4^5, 6, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^2, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3^2, 4^3, 6^2, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^4, 4, 6^3, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{3^3, 4, 6^3, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2, 4^3, 6^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2, 3, 4, 6^4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 3^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{3^2, 4^4, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^7, 6, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^3, 6, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 4^2, 6, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{3^3, 4^2, 6, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2, 4^4, 6, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{2^4, 3, 6^2, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{3^4, 6^2, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^2, 6^3, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 6^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 3, 4, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{3^4, 4, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2, 3, 4^3, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{2, 3^2, 4, 6, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 4, 6^2, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{2^5, 12^8\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 4^2, 12^8\})$	131478847488
12	$\mathcal{O}(3; \{2^2, 3, 6, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{6^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{4, 6, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{3, 12^{10}\})$	1042657837056
12	$\mathcal{O}(2; \{2^{18}, 3^2, 4^2\})$	82944

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{14}, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^{11}, 4^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{14}, 4^2\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^8, 4^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^4\})$	113135616
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^5, 4^6\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^8, 4^6\})$	57065472
12	$\mathcal{O}(2; \{3^{11}, 4^6\})$	452542464
12	$\mathcal{O}(2; \{2^9, 3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^5, 4^8\})$	26542080
12	$\mathcal{O}(2; \{2, 3^8, 4^8\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3^2, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^5, 4^{10}\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{3^2, 4^{14}\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^9, 4^2, 6\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4^2, 6\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^6, 4^4, 6\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^9, 4^4, 6\})$	56733696
12	$\mathcal{O}(2; \{3^{12}, 4^4, 6\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^6, 4^6, 6\})$	27869184
12	$\mathcal{O}(2; \{2, 3^9, 4^6, 6\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3^3, 4^8, 6\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^6, 4^8, 6\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^3, 4^{10}, 6\})$	63700992
12	$\mathcal{O}(2; \{3^3, 4^{12}, 6\})$	254803968
12	$\mathcal{O}(2; \{2^{16}, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^7, 4^2, 6^2\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^2, 6^2\})$	56650752
12	$\mathcal{O}(2; \{3^{13}, 4^2, 6^2\})$	452957184
12	$\mathcal{O}(2; \{2^{13}, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^9, 3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^7, 4^4, 6^2\})$	28200960
12	$\mathcal{O}(2; \{2, 3^{10}, 4^4, 6^2\})$	226603008

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{10}, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^4, 4^6, 6^2\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^7, 4^6, 6^2\})$	112803840
12	$\mathcal{O}(2; \{2^7, 3, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^3, 3^4, 4^8, 6^2\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{3^4, 4^{10}, 6^2\})$	233570304
12	$\mathcal{O}(2; \{2, 3, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^8, 4^2, 6^3\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{11}, 4^2, 6^3\})$	226520064
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^5, 4^4, 6^3\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^8, 4^4, 6^3\})$	113135616
12	$\mathcal{O}(2; \{2^7, 3^2, 4^6, 6^3\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^5, 4^6, 6^3\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^2, 4^8, 6^3\})$	26542080
12	$\mathcal{O}(2; \{3^5, 4^8, 6^3\})$	228261888
12	$\mathcal{O}(2; \{2, 3^2, 4^{10}, 6^3\})$	106168320
12	$\mathcal{O}(2; \{2^{14}, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^6, 4^2, 6^4\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^9, 4^2, 6^4\})$	113218560
12	$\mathcal{O}(2; \{2^{11}, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^7, 3^3, 4^4, 6^4\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^6, 4^4, 6^4\})$	56733696
12	$\mathcal{O}(2; \{2^8, 4^6, 6^4\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^3, 4^6, 6^4\})$	27869184
12	$\mathcal{O}(2; \{3^6, 4^6, 6^4\})$	226934784
12	$\mathcal{O}(2; \{2^5, 4^8, 6^4\})$	15925248
12	$\mathcal{O}(2; \{2, 3^3, 4^8, 6^4\})$	111476736
12	$\mathcal{O}(2; \{2^2, 4^{10}, 6^4\})$	63700992
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 6^5\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 6^5\})$	56650752
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 6^5\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 6^5\})$	28200960
12	$\mathcal{O}(2; \{3^7, 4^4, 6^5\})$	226603008
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 6^5\})$	14598144
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 6^5\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 6^5\})$	58392576
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6^6\})$	3566592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6^6\})$	28283904
12	$\mathcal{O}(2; \{3^8, 4^2, 6^6\})$	226520064
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6^6\})$	14266368
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6^6\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6^6\})$	57065472
12	$\mathcal{O}(2; \{2^9, 4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^7\})$	14183424
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^7\})$	113218560
12	$\mathcal{O}(2; \{2^6, 4^4, 6^7\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^7\})$	56733696
12	$\mathcal{O}(2; \{2^3, 4^6, 6^7\})$	27869184
12	$\mathcal{O}(2; \{4^8, 6^7\})$	111476736
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^8\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^8\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^8\})$	28200960
12	$\mathcal{O}(2; \{3, 4^6, 6^8\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^9\})$	28283904
12	$\mathcal{O}(2; \{3^2, 4^4, 6^9\})$	113135616
12	$\mathcal{O}(2; \{2^4, 4^2, 6^{10}\})$	14183424
12	$\mathcal{O}(2; \{3^3, 4^2, 6^{10}\})$	113218560
12	$\mathcal{O}(2; \{2, 4^4, 6^{10}\})$	56733696
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^{11}\})$	56650752
12	$\mathcal{O}(2; \{2^{19}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^{10}, 4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{13}, 4, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^7, 4^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^3, 12\})$	113135616
12	$\mathcal{O}(2; \{3^{13}, 4^3, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^7, 4^5, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^{10}, 4^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^4, 4^7, 12\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^7, 4^7, 12\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^4, 4^9, 12\})$	106168320
12	$\mathcal{O}(2; \{2^4, 3, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{3^4, 4^{11}, 12\})$	424673280

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^8, 4, 6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4, 6, 12\})$	113218560
12	$\mathcal{O}(2; \{3^{14}, 4, 6, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^8, 4^3, 6, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{11}, 4^3, 6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^5, 4^5, 6, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^8, 4^5, 6, 12\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3^2, 4^7, 6, 12\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^5, 4^7, 6, 12\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^2, 4^9, 6, 12\})$	63700992
12	$\mathcal{O}(2; \{3^5, 4^9, 6, 12\})$	445906944
12	$\mathcal{O}(2; \{2, 3^2, 4^{11}, 6, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{17}, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^9, 4, 6^2, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{12}, 4, 6^2, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^6, 4^3, 6^2, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^9, 4^3, 6^2, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^3, 4^5, 6^2, 12\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^6, 4^5, 6^2, 12\})$	112803840
12	$\mathcal{O}(2; \{2^8, 4^7, 6^2, 12\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^3, 4^7, 6^2, 12\})$	58392576
12	$\mathcal{O}(2; \{3^6, 4^7, 6^2, 12\})$	451215360
12	$\mathcal{O}(2; \{2^5, 4^9, 6^2, 12\})$	21233664
12	$\mathcal{O}(2; \{2, 3^3, 4^9, 6^2, 12\})$	233570304
12	$\mathcal{O}(2; \{2^2, 4^{11}, 6^2, 12\})$	84934656
12	$\mathcal{O}(2; \{2^{14}, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^7, 4, 6^3, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4, 6^3, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^4, 4^3, 6^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^7, 4^3, 6^3, 12\})$	113135616

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3, 4^5, 6^3, 12\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^4, 4^5, 6^3, 12\})$	57065472
12	$\mathcal{O}(2; \{3^7, 4^5, 6^3, 12\})$	452542464
12	$\mathcal{O}(2; \{2^5, 3, 4^7, 6^3, 12\})$	26542080
12	$\mathcal{O}(2; \{2, 3^4, 4^7, 6^3, 12\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3, 4^9, 6^3, 12\})$	106168320
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^5, 4, 6^4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^8, 4, 6^4, 12\})$	113218560
12	$\mathcal{O}(2; \{2^8, 3^2, 4^3, 6^4, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^5, 4^3, 6^4, 12\})$	56733696
12	$\mathcal{O}(2; \{3^8, 4^3, 6^4, 12\})$	452874240
12	$\mathcal{O}(2; \{2^5, 3^2, 4^5, 6^4, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^5, 4^5, 6^4, 12\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^2, 4^7, 6^4, 12\})$	111476736
12	$\mathcal{O}(2; \{2^{12}, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 6^5, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 6^5, 12\})$	56650752
12	$\mathcal{O}(2; \{3^9, 4, 6^5, 12\})$	452957184
12	$\mathcal{O}(2; \{2^9, 4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 6^5, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 6^5, 12\})$	226603008
12	$\mathcal{O}(2; \{2^6, 4^5, 6^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 6^5, 12\})$	112803840
12	$\mathcal{O}(2; \{2^3, 4^7, 6^5, 12\})$	58392576
12	$\mathcal{O}(2; \{4^9, 6^5, 12\})$	233570304
12	$\mathcal{O}(2; \{2^9, 3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6^6, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^7, 4, 6^6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6^6, 12\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6^6, 12\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6^6, 12\})$	57065472
12	$\mathcal{O}(2; \{3, 4^7, 6^6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^7, 12\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^7, 12\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^7, 12\})$	56733696
12	$\mathcal{O}(2; \{3^2, 4^5, 6^7, 12\})$	226934784
12	$\mathcal{O}(2; \{2^7, 4, 6^8, 12\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^8, 12\})$	56650752
12	$\mathcal{O}(2; \{2^4, 4^3, 6^8, 12\})$	28200960
12	$\mathcal{O}(2; \{3^3, 4^3, 6^8, 12\})$	226603008
12	$\mathcal{O}(2; \{2, 4^5, 6^8, 12\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^9, 12\})$	28283904

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^4, 4, 6^9, 12\})$	226520064
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^9, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^{10}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 4, 6^{11}, 12\})$	56650752
12	$\mathcal{O}(2; \{2^{20}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^{15}, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{17}, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^9, 4^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{12}, 4^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{14}, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^6, 4^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^9, 4^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^{11}, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^3, 4^6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^6, 4^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^8, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^3, 4^8, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3^6, 4^8, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^5, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{2, 3^3, 4^{10}, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^2, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{10}, 6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{13}, 6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^7, 4^2, 6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^2, 6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^4, 4^4, 6, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^7, 4^4, 6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3, 4^6, 6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^4, 4^6, 6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^7, 4^6, 6, 12^2\})$	907739136

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3, 4^8, 6, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2, 3^4, 4^8, 6, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3, 4^{10}, 6, 12^2\})$	254803968
12	$\mathcal{O}(2; \{2^{14}, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^8, 6^2, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{11}, 6^2, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 6^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 6^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 6^2, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 6^2, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^8, 4^4, 6^2, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 6^2, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 6^2, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 6^2, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{15}, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^6, 6^3, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^9, 6^3, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6^3, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6^3, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^9, 4^2, 6^3, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^9, 4^4, 6^3, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6^3, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6^3, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^6, 4^6, 6^3, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6^3, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^3, 4^8, 6^3, 12^2\})$	106168320
12	$\mathcal{O}(2; \{4^{10}, 6^3, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{12}, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^4, 6^4, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^7, 6^4, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^{10}, 6^4, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^4, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^4, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^4, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^4, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3, 4^8, 6^4, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^9, 3^2, 6^5, 12^2\})$	7050240

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^5, 6^5, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^8, 6^5, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^5, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^5, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^5, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^2, 4^6, 6^5, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^{10}, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^3, 6^6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^6, 6^6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^7, 4^2, 6^6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^4, 4^4, 6^6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{3^3, 4^4, 6^6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2, 4^6, 6^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3, 6^7, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^4, 6^7, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^7, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3^4, 4^2, 6^7, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^7, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^2, 6^8, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^5, 6^8, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^8, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^5, 6^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2, 3^3, 6^9, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^2, 4^2, 6^9, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3, 6^{10}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{6^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^8, 4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^5, 4^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^8, 4^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^8, 3^2, 4^5, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^5, 4^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^8, 4^5, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 3^2, 4^7, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2, 3^5, 4^7, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^2, 4^9, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{15}, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^6, 4, 6, 12^3\})$	56733696

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^9, 4, 6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^3, 4^3, 6, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^6, 4^3, 6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^9, 4^3, 6, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^3, 4^5, 6, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2, 3^6, 4^5, 6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^6, 4^7, 6, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^3, 4^7, 6, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^3, 4^9, 6, 12^3\})$	254803968
12	$\mathcal{O}(2; \{4^{11}, 6, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 6^2, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 6^2, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^{10}, 4, 6^2, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 6^2, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 6^2, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 6^2, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 6^2, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 6^2, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3, 4^9, 6^2, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6^3, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6^3, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^8, 4, 6^3, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6^3, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^2, 4^7, 6^3, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^{10}, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^7, 4^3, 6^4, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^4, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^4, 4^5, 6^4, 12^3\})$	111476736
12	$\mathcal{O}(2; \{3^3, 4^5, 6^4, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2, 4^7, 6^4, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^5, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^5, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^5, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3^4, 4^3, 6^5, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^5, 12^3\})$	451215360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^5, 4, 6^6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^5, 4, 6^7, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^7, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^2, 4^3, 6^7, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^8, 12^3\})$	226603008
12	$\mathcal{O}(2; \{4, 6^{10}, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{15}, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^{10}, 4^2, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 12^4\})$	424673280
12	$\mathcal{O}(2; \{3, 4^{10}, 12^4\})$	1698693120
12	$\mathcal{O}(2; \{2^{12}, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^5, 6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^8, 6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^{11}, 6, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3^2, 4^8, 6, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^{13}, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^6, 6^2, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^9, 6^2, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^7, 4^4, 6^2, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^2, 12^4\})$	451215360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 4^6, 6^2, 12^4\})$	233570304
12	$\mathcal{O}(2; \{3^3, 4^6, 6^2, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2, 4^8, 6^2, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{10}, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^4, 6^3, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^7, 6^3, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^3, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^3, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^3, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3^4, 4^4, 6^3, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^3, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^7, 3^2, 6^4, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^5, 6^4, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^4, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^5, 4^2, 6^4, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^8, 6^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^3, 6^5, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^6, 6^5, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 4^2, 6^5, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^5, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^2, 4^4, 6^5, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3, 6^6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^4, 6^6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^2, 6^7, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^3, 6^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{4^2, 6^8, 12^4\})$	906412032
12	$\mathcal{O}(2; \{3, 6^9, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^9, 4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^{10}, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 4^5, 12^5\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^4, 4^7, 12^5\})$	424673280
12	$\mathcal{O}(2; \{3^3, 4^7, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2, 4^9, 12^5\})$	1698693120
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6, 12^5\})$	226934784

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6, 12^5\})$	445906944
12	$\mathcal{O}(2; \{3^4, 4^5, 6, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2, 3, 4^7, 6, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^2, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^2, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^2, 12^5\})$	451215360
12	$\mathcal{O}(2; \{3^5, 4^3, 6^2, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^2, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^8, 4, 6^3, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^3, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^6, 4, 6^3, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 4^3, 6^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 4^5, 6^3, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^4, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^5, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^3, 4, 6^6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{4^3, 6^6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{3, 4, 6^7, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 12^6\})$	913047552
12	$\mathcal{O}(2; \{3^5, 4^4, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^{11}, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^3, 6, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^6, 6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 4^2, 6, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^6, 4^2, 6, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 4^4, 6, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 4^6, 6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{2^8, 3, 6^2, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^4, 6^2, 12^6\})$	906412032

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^7, 6^2, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^2, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 3^2, 6^3, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^5, 6^3, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^3, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 6^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^3, 6^4, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 4^2, 6^4, 12^6\})$	907739136
12	$\mathcal{O}(2; \{4^4, 6^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3, 6^5, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3, 4^2, 6^5, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{3^2, 6^6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2, 6^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 3, 4, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^7, 4, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 12^7\})$	913047552
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2, 3^5, 4, 6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^6, 4, 6^2, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^2, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 4^3, 6^2, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{4^5, 6^2, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^3, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3, 4^3, 6^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{3^2, 4, 6^4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2, 4, 6^5, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^9, 12^8\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^6, 4^2, 12^8\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 4^4, 12^8\})$	3652190208
12	$\mathcal{O}(2; \{4^6, 12^8\})$	14608760832
12	$\mathcal{O}(2; \{2^6, 3, 6, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^4, 6, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{3, 4^4, 6, 12^8\})$	14523826176

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^2, 6^2, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^2, 4^2, 6^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^4, 6^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{3^3, 6^3, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2, 4^2, 6^3, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2, 3, 6^4, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{3^2, 4^3, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{2^4, 4, 6, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{3^3, 4, 6, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2, 4^3, 6, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{2, 3, 4, 6^2, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^4, 3, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{3^4, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2, 3, 4^2, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{2, 3^2, 6, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 6^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 4, 12^{11}\})$	28962717696
12	$\mathcal{O}(2; \{6, 12^{12}\})$	115935805440
12	$\mathcal{O}(1; \{2^{22}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{14}, 4^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{17}, 4^2\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^4\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^4\})$	6292224
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^8, 4^6\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^6\})$	3142656
12	$\mathcal{O}(1; \{3^{14}, 4^6\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^8, 4^8\})$	1585152
12	$\mathcal{O}(1; \{2, 3^{11}, 4^8\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^5, 4^{10}\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^8, 4^{10}\})$	6340608
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{12}\})$	589824

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{12}\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{3^5, 4^{14}\})$	11796480
12	$\mathcal{O}(1; \{2, 3^2, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4^2, 6\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4^2, 6\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^9, 4^4, 6\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^4, 6\})$	3144960
12	$\mathcal{O}(1; \{3^{15}, 4^4, 6\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^9, 4^6, 6\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{12}, 4^6, 6\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^6, 4^8, 6\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^9, 4^8, 6\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^3, 4^{10}, 6\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^6, 4^{10}, 6\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{12}, 6\})$	1769472
12	$\mathcal{O}(1; \{3^6, 4^{12}, 6\})$	12386304
12	$\mathcal{O}(1; \{2, 3^3, 4^{14}, 6\})$	7077888
12	$\mathcal{O}(1; \{2^{20}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^2, 6^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^2, 6^2\})$	3145536
12	$\mathcal{O}(1; \{3^{16}, 4^2, 6^2\})$	25166016
12	$\mathcal{O}(1; \{2^{17}, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^4, 6^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{13}, 4^4, 6^2\})$	12582144
12	$\mathcal{O}(1; \{2^{14}, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^7, 4^6, 6^2\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^6, 6^2\})$	6294528
12	$\mathcal{O}(1; \{2^{11}, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^4, 4^8, 6^2\})$	405504

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^7, 4^8, 6^2\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{10}, 6^2\})$	1622016
12	$\mathcal{O}(1; \{3^7, 4^{10}, 6^2\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2, 3^4, 4^{12}, 6^2\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^2, 6^3\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{14}, 4^2, 6^3\})$	12582720
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^8, 4^4, 6^3\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^4, 6^3\})$	6292224
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^5, 4^6, 6^3\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^8, 4^6, 6^3\})$	3142656
12	$\mathcal{O}(1; \{2^8, 3^2, 4^8, 6^3\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^5, 4^8, 6^3\})$	1585152
12	$\mathcal{O}(1; \{3^8, 4^8, 6^3\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{10}, 6^3\})$	737280
12	$\mathcal{O}(1; \{2, 3^5, 4^{10}, 6^3\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{12}, 6^3\})$	2949120
12	$\mathcal{O}(1; \{2^{18}, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^9, 4^2, 6^4\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^2, 6^4\})$	6291648
12	$\mathcal{O}(1; \{2^{15}, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^6, 4^4, 6^4\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^9, 4^4, 6^4\})$	3144960
12	$\mathcal{O}(1; \{2^{12}, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^8, 3^3, 4^6, 6^4\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^6, 4^6, 6^4\})$	1575936
12	$\mathcal{O}(1; \{3^9, 4^6, 6^4\})$	12579840
12	$\mathcal{O}(1; \{2^9, 4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^5, 3^3, 4^8, 6^4\})$	774144
12	$\mathcal{O}(1; \{2, 3^6, 4^8, 6^4\})$	6303744
12	$\mathcal{O}(1; \{2^6, 4^{10}, 6^4\})$	442368
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{10}, 6^4\})$	3096576

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 4^{12}, 6^4\})$	1769472
12	$\mathcal{O}(1; \{4^{14}, 6^4\})$	7077888
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 6^5\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 6^5\})$	3145536
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 6^5\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 6^5\})$	1573632
12	$\mathcal{O}(1; \{3^{10}, 4^4, 6^5\})$	12582144
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 6^5\})$	783360
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 6^5\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 6^5\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 6^5\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 6^5\})$	1622016
12	$\mathcal{O}(1; \{3, 4^{12}, 6^5\})$	6488064
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6^6\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6^6\})$	1573056
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6^6\})$	12582720
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6^6\})$	785664
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6^6\})$	6292224
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6^6\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6^6\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6^6\})$	1585152
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6^6\})$	6340608
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^7\})$	786240
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^7\})$	6291648
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^7\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^7\})$	3144960
12	$\mathcal{O}(1; \{2^7, 4^6, 6^7\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^7\})$	1575936
12	$\mathcal{O}(1; \{2^4, 4^8, 6^7\})$	774144
12	$\mathcal{O}(1; \{3^3, 4^8, 6^7\})$	6303744
12	$\mathcal{O}(1; \{2, 4^{10}, 6^7\})$	3096576
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^8\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^8\})$	3145536

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^8\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^8\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^8\})$	783360
12	$\mathcal{O}(1; \{3^4, 4^6, 6^8\})$	6294528
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^8\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^9\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^9\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^9\})$	785664
12	$\mathcal{O}(1; \{3^5, 4^4, 6^9\})$	6292224
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^9\})$	3142656
12	$\mathcal{O}(1; \{2^8, 4^2, 6^{10}\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^{10}\})$	786240
12	$\mathcal{O}(1; \{3^6, 4^2, 6^{10}\})$	6291648
12	$\mathcal{O}(1; \{2^5, 4^4, 6^{10}\})$	393984
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^{10}\})$	3144960
12	$\mathcal{O}(1; \{2^2, 4^6, 6^{10}\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^{11}\})$	393408
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^{11}\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^{11}\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^{12}\})$	1573056
12	$\mathcal{O}(1; \{2^3, 4^2, 6^{13}\})$	786240
12	$\mathcal{O}(1; \{4^4, 6^{13}\})$	3144960
12	$\mathcal{O}(1; \{3, 4^2, 6^{14}\})$	3145536
12	$\mathcal{O}(1; \{2^{23}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{13}, 4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{16}, 4, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^3, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{16}, 4^3, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^5, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{13}, 4^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^7, 4^7, 12\})$	1585152

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^7, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^4, 4^9, 12\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^7, 4^9, 12\})$	6340608
12	$\mathcal{O}(1; \{2^8, 3, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{11}, 12\})$	2949120
12	$\mathcal{O}(1; \{3^7, 4^{11}, 12\})$	25362432
12	$\mathcal{O}(1; \{2^5, 3, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{2, 3^4, 4^{13}, 12\})$	11796480
12	$\mathcal{O}(1; \{2^2, 3, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4, 6, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4, 6, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{17}, 4, 6, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^3, 6, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{14}, 4^3, 6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^8, 4^5, 6, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^5, 6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^5, 4^7, 6, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^8, 4^7, 6, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^2, 4^9, 6, 12\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^5, 4^9, 6, 12\})$	3096576
12	$\mathcal{O}(1; \{3^8, 4^9, 6, 12\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{11}, 6, 12\})$	1769472
12	$\mathcal{O}(1; \{2, 3^5, 4^{11}, 6, 12\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{13}, 6, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{21}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4, 6^2, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{15}, 4, 6^2, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^3, 6^2, 12\})$	195840

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^9, 4^3, 6^2, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^3, 6^2, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^6, 4^5, 6^2, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^9, 4^5, 6^2, 12\})$	6294528
12	$\mathcal{O}(1; \{2^{12}, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^3, 4^7, 6^2, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^6, 4^7, 6^2, 12\})$	3133440
12	$\mathcal{O}(1; \{3^9, 4^7, 6^2, 12\})$	25178112
12	$\mathcal{O}(1; \{2^9, 4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^3, 4^9, 6^2, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^6, 4^9, 6^2, 12\})$	12533760
12	$\mathcal{O}(1; \{2^6, 4^{11}, 6^2, 12\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{11}, 6^2, 12\})$	6488064
12	$\mathcal{O}(1; \{2^3, 4^{13}, 6^2, 12\})$	2359296
12	$\mathcal{O}(1; \{4^{15}, 6^2, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{18}, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4, 6^3, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4, 6^3, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^7, 4^3, 6^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^3, 6^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^4, 4^5, 6^3, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^7, 4^5, 6^3, 12\})$	3142656
12	$\mathcal{O}(1; \{3^{10}, 4^5, 6^3, 12\})$	25168896
12	$\mathcal{O}(1; \{2^9, 3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^4, 4^7, 6^3, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^7, 4^7, 6^3, 12\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3, 4^9, 6^3, 12\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^4, 4^9, 6^3, 12\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3, 4^{11}, 6^3, 12\})$	2949120
12	$\mathcal{O}(1; \{3, 4^{13}, 6^3, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^8, 4, 6^4, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4, 6^4, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^5, 4^3, 6^4, 12\})$	393984

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^8, 4^3, 6^4, 12\})$	3144960
12	$\mathcal{O}(1; \{3^{11}, 4^3, 6^4, 12\})$	25166592
12	$\mathcal{O}(1; \{2^9, 3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^5, 4^5, 6^4, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^8, 4^5, 6^4, 12\})$	12579840
12	$\mathcal{O}(1; \{2^6, 3^2, 4^7, 6^4, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^5, 4^7, 6^4, 12\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^2, 4^9, 6^4, 12\})$	3096576
12	$\mathcal{O}(1; \{3^2, 4^{11}, 6^4, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{16}, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 6^5, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 6^5, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{12}, 4, 6^5, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 6^5, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 6^5, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 6^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 6^5, 12\})$	6294528
12	$\mathcal{O}(1; \{2^7, 4^7, 6^5, 12\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 6^5, 12\})$	3133440
12	$\mathcal{O}(1; \{2^4, 4^9, 6^5, 12\})$	1622016
12	$\mathcal{O}(1; \{3^3, 4^9, 6^5, 12\})$	12533760
12	$\mathcal{O}(1; \{2, 4^{11}, 6^5, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6^6, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6^6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6^6, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6^6, 12\})$	6292224
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6^6, 12\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6^6, 12\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6^6, 12\})$	1585152
12	$\mathcal{O}(1; \{3^4, 4^7, 6^6, 12\})$	12570624
12	$\mathcal{O}(1; \{2, 3, 4^9, 6^6, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^7, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^7, 12\})$	6291648
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^7, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^7, 12\})$	3144960

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^7, 12\})$	1575936
12	$\mathcal{O}(1; \{3^5, 4^5, 6^7, 12\})$	12579840
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^7, 12\})$	6303744
12	$\mathcal{O}(1; \{2^{11}, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^8, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^8, 12\})$	3145536
12	$\mathcal{O}(1; \{2^8, 4^3, 6^8, 12\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^8, 12\})$	1573632
12	$\mathcal{O}(1; \{3^6, 4^3, 6^8, 12\})$	12582144
12	$\mathcal{O}(1; \{2^5, 4^5, 6^8, 12\})$	783360
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^8, 12\})$	6294528
12	$\mathcal{O}(1; \{2^2, 4^7, 6^8, 12\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^9, 12\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^9, 12\})$	1573056
12	$\mathcal{O}(1; \{3^7, 4, 6^9, 12\})$	12582720
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^9, 12\})$	785664
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^9, 12\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^9, 12\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^{10}, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^{10}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^{10}, 12\})$	3144960
12	$\mathcal{O}(1; \{2^6, 4, 6^{11}, 12\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^{11}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 4^3, 6^{11}, 12\})$	1573632
12	$\mathcal{O}(1; \{4^5, 6^{11}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^{12}, 12\})$	1573056
12	$\mathcal{O}(1; \{3, 4^3, 6^{12}, 12\})$	6292224
12	$\mathcal{O}(1; \{3^2, 4, 6^{13}, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 4, 6^{14}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^{24}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{18}, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{21}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{15}, 4^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{18}, 4^4, 12^2\})$	9216

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^9, 4^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{15}, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^6, 4^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^9, 4^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^{12}, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^3, 4^8, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^6, 4^8, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^9, 4^8, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^9, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{10}, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2, 3^6, 4^{10}, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^6, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{12}, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^3, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{4^{16}, 12^2\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{13}, 6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{16}, 6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^2, 6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^2, 6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^7, 4^4, 6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^4, 6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^4, 4^6, 6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^7, 4^6, 6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^{10}, 4^6, 6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3, 4^8, 6, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^4, 4^8, 6, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^7, 4^8, 6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3, 4^{10}, 6, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{10}, 6, 12^2\})$	12386304

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4^{12}, 6, 12^2\})$	7077888
12	$\mathcal{O}(1; \{3, 4^{14}, 6, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{18}, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{11}, 6^2, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{14}, 6^2, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 6^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 6^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 6^2, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 6^2, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^{11}, 4^4, 6^2, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 6^2, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 6^2, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 6^2, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 6^2, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 6^2, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^2, 4^{12}, 6^2, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^{19}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^9, 6^3, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{12}, 6^3, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6^3, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6^3, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6^3, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6^3, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6^3, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6^3, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6^3, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^7, 4^8, 6^3, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6^3, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6^3, 12^2\})$	2949120
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6^3, 12^2\})$	25362432

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 4^{12}, 6^3, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{16}, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^7, 6^4, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{10}, 6^4, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{13}, 6^4, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^4, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^4, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^4, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^4, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^4, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3^4, 4^8, 6^4, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^4, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^8, 6^5, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{11}, 6^5, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^5, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^5, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^5, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^5, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^5, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^5, 4^6, 6^5, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^5, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{14}, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^6, 6^6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^9, 6^6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^8, 4^4, 6^6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^6, 4^4, 6^6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^5, 4^6, 6^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^2, 4^8, 6^6, 12^2\})$	6340608

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^4, 6^7, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^7, 6^7, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^7, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^7, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^7, 4^2, 6^7, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^7, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^7, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^7, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^2, 6^8, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^5, 6^8, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^8, 6^8, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^8, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^8, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^8, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^9, 6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^3, 6^9, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^6, 6^9, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^6, 4^2, 6^9, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^9, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^3, 4^4, 6^9, 12^2\})$	3142656
12	$\mathcal{O}(1; \{4^6, 6^9, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3, 6^{10}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^4, 6^{10}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^{10}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3, 4^4, 6^{10}, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^2, 6^{11}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^2, 4^2, 6^{11}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^4, 6^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{3^3, 6^{12}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 4^2, 6^{12}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3, 6^{13}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^8, 4^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^5, 4^5, 12^3\})$	1585152

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^8, 4^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^{11}, 4^5, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^9, 3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^5, 4^7, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^8, 4^7, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3^2, 4^9, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^5, 4^9, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{11}, 12^3\})$	11796480
12	$\mathcal{O}(1; \{3^2, 4^{13}, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{19}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^9, 4, 6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4, 6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^6, 4^3, 6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^9, 4^3, 6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^{12}, 4^3, 6, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^6, 4^5, 6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^9, 4^5, 6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^3, 4^7, 6, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^6, 4^7, 6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^7, 4^9, 6, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^3, 4^9, 6, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^4, 4^{11}, 6, 12^3\})$	7077888
12	$\mathcal{O}(1; \{3^3, 4^{11}, 6, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2, 4^{13}, 6, 12^3\})$	28311552
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 6^2, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 6^2, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^{13}, 4, 6^2, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 6^2, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 6^2, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 6^2, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 6^2, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 6^2, 12^3\})$	25178112

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 6^2, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 6^2, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 6^2, 12^3\})$	6488064
12	$\mathcal{O}(1; \{3^4, 4^9, 6^2, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 6^2, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6^3, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6^3, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6^3, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6^3, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6^3, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^5, 4^7, 6^3, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6^3, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{14}, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^4, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^4, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^8, 4^5, 6^4, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^4, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^6, 4^5, 6^4, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^5, 4^7, 6^4, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^4, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^2, 4^9, 6^4, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^5, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^5, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^5, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^5, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^7, 4^3, 6^5, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^5, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^8, 4, 6^6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^6, 12^3\})$	3142656

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^9, 4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^7, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^7, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^6, 4^3, 6^7, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^7, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^3, 4^5, 6^7, 12^3\})$	6303744
12	$\mathcal{O}(1; \{4^7, 6^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^8, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^8, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^8, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3, 4^5, 6^8, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^9, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^2, 4^3, 6^9, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^4, 4, 6^{10}, 12^3\})$	3144960
12	$\mathcal{O}(1; \{3^3, 4, 6^{10}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 4^3, 6^{10}, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3, 4, 6^{11}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{19}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{13}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^{13}, 4^2, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 12^4\})$	11796480
12	$\mathcal{O}(1; \{3^4, 4^{10}, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{16}, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^5, 6, 12^4\})$	393984

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^8, 6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{11}, 6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{14}, 6, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3^5, 4^8, 6, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{17}, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^9, 6^2, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{12}, 6^2, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^2, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^2, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^8, 4^6, 6^2, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^2, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^6, 4^6, 6^2, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^5, 4^8, 6^2, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^2, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^2, 12^4\})$	25952256
12	$\mathcal{O}(1; \{2^{14}, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^7, 6^3, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^3, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^3, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^3, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^3, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^3, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^7, 4^4, 6^3, 12^4\})$	100675584

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^3, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^3, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^3, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^5, 6^4, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^8, 6^4, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^4, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^4, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^8, 4^2, 6^4, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^4, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^{12}, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^3, 6^5, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^6, 6^5, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^9, 6^5, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^9, 4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^5, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^5, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^6, 4^4, 6^5, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^5, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^3, 4^6, 6^5, 12^4\})$	12533760
12	$\mathcal{O}(1; \{4^8, 6^5, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^9, 3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^4, 6^6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^7, 6^6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3, 4^6, 6^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3^2, 6^7, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^5, 6^7, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^7, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^2, 4^4, 6^7, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^7, 6^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^3, 6^8, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^4, 4^2, 6^8, 12^4\})$	6294528
12	$\mathcal{O}(1; \{3^3, 4^2, 6^8, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2, 4^4, 6^8, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3, 6^9, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3^4, 6^9, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^9, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3^2, 6^{10}, 12^4\})$	25166592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 6^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^{17}, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{14}, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^{11}, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^8, 4^7, 12^5\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3^6, 4^7, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^5, 4^9, 12^5\})$	11796480
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^2, 4^{11}, 12^5\})$	47185920
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^7, 4^5, 6, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6, 12^5\})$	49545216
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^2, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^2, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^2, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^2, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^8, 4^3, 6^2, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^2, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^2, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^2, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^{12}, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^3, 12^5\})$	3142656

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^3, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^9, 4, 6^3, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^9, 4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^6, 4^5, 6^3, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^3, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^3, 4^7, 6^3, 12^5\})$	25362432
12	$\mathcal{O}(1; \{4^9, 6^3, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^4, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^4, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^4, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3, 4^7, 6^4, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^5, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^5, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^5, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^2, 4^5, 6^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^7, 4, 6^6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^4, 4^3, 6^6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{3^3, 4^3, 6^6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2, 4^5, 6^6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^7, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3^4, 4, 6^7, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^7, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^8, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^2, 4, 6^9, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{11}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^8, 4^4, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 12^6\})$	101449728

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^6, 6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^9, 6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^9, 4^2, 6, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^9, 4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^6, 4^6, 6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^3, 4^8, 6, 12^6\})$	49545216
12	$\mathcal{O}(1; \{4^{10}, 6, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{12}, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^4, 6^2, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^7, 6^2, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^{10}, 6^2, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^2, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^2, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^2, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3, 4^8, 6^2, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^9, 3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^5, 6^3, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^8, 6^3, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^3, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^3, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^3, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^2, 4^6, 6^3, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^{10}, 6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^3, 6^4, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^6, 6^4, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^7, 4^2, 6^4, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^4, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^4, 4^4, 6^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{3^3, 4^4, 6^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2, 4^6, 6^4, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^7, 3, 6^5, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^4, 6^5, 12^6\})$	50328576

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^5, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3^4, 4^2, 6^5, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^5, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^2, 6^6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^5, 6^6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^5, 6^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2, 3^3, 6^7, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^2, 4^2, 6^7, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3, 6^8, 12^6\})$	50328576
12	$\mathcal{O}(1; \{6^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^{10}, 4, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 12^7\})$	101449728
12	$\mathcal{O}(1; \{3, 4^9, 12^7\})$	405798912
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^8, 4, 6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3^2, 4^7, 6, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^{10}, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^2, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^2, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^7, 4^3, 6^2, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^2, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^4, 4^5, 6^2, 12^7\})$	50135040
12	$\mathcal{O}(1; \{3^3, 4^5, 6^2, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2, 4^7, 6^2, 12^7\})$	200540160
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^3, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^3, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3^4, 4^3, 6^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^3, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^4, 12^7\})$	50319360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 4, 6^4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^4, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^5, 4, 6^5, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^5, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^2, 4^3, 6^5, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{4, 6^8, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^{13}, 12^8\})$	1585152
12	$\mathcal{O}(1; \{2^9, 3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^9, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^{10}, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^7, 4^4, 12^8\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2^4, 4^6, 12^8\})$	101449728
12	$\mathcal{O}(1; \{3^3, 4^6, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2, 4^8, 12^8\})$	405798912
12	$\mathcal{O}(1; \{2^{10}, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^4, 6, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^7, 6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6, 12^8\})$	100859904
12	$\mathcal{O}(1; \{3^4, 4^4, 6, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2, 3, 4^6, 6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^7, 3^2, 6^2, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^5, 6^2, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^5, 4^2, 6^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^2, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^8, 6^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^3, 6^3, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^6, 6^3, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^5, 4^2, 6^3, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^3, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^2, 4^4, 6^3, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2^5, 3, 6^4, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2, 3^4, 6^4, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^4, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^2, 6^5, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^3, 6^6, 12^8\})$	100675584

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{4^2, 6^6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{3, 6^7, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 12^9\})$	201129984
12	$\mathcal{O}(1; \{3^5, 4^3, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^8, 4, 6, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^6, 4, 6, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 4^3, 6, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^2, 4^5, 6, 12^9\})$	403439616
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^2, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^2, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^2, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^3, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^3, 4, 6^4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{4^3, 6^4, 12^9\})$	805109760
12	$\mathcal{O}(1; \{3, 4, 6^5, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^8, 3, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3^7, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{2^5, 3^2, 6, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2, 3^5, 6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^6, 6^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^3, 4^2, 6^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{4^4, 6^2, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^3, 3, 6^3, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3, 4^2, 6^3, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{3^2, 6^4, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2, 6^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^6, 4, 12^{11}\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 4^3, 12^{11}\})$	804519936
12	$\mathcal{O}(1; \{4^5, 12^{11}\})$	3218079744
12	$\mathcal{O}(1; \{2^3, 3, 4, 6, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{3, 4^3, 6, 12^{11}\})$	3220439040

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4, 6^2, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2, 4, 6^3, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 3^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{3^2, 4^2, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{2^4, 6, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{3^3, 6, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2, 4^2, 6, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{2, 3, 6^2, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2, 3, 4, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{2^2, 12^{14}\})$	6443237376
12	$\mathcal{O}(0; \{2^{26}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{17}, 4^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{20}, 4^2\})$	699052
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^4\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^4\})$	349520
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^6\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^6\})$	174784
12	$\mathcal{O}(0; \{3^{17}, 4^6\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^8\})$	87296
12	$\mathcal{O}(0; \{2, 3^{14}, 4^8\})$	699136
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^8, 4^{10}\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^{10}\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{12}\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{12}\})$	176128
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{14}\})$	81920

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^8, 4^{14}\})$	704512
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{2, 3^5, 4^{16}\})$	327680
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4^2, 6\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4^2, 6\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^4, 6\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^4, 6\})$	174768
12	$\mathcal{O}(0; \{3^{18}, 4^4, 6\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^6, 6\})$	87360
12	$\mathcal{O}(0; \{2, 3^{15}, 4^6, 6\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^9, 4^8, 6\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^8, 6\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^6, 4^{10}, 6\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^9, 4^{10}, 6\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{12}, 6\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{12}, 6\})$	86016
12	$\mathcal{O}(0; \{3^9, 4^{12}, 6\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{14}, 6\})$	49152
12	$\mathcal{O}(0; \{2, 3^6, 4^{14}, 6\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{16}, 6\})$	196608
12	$\mathcal{O}(0; \{2^{24}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^2, 6^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^2, 6^2\})$	174764
12	$\mathcal{O}(0; \{3^{19}, 4^2, 6^2\})$	1398100
12	$\mathcal{O}(0; \{2^{21}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^4, 6^2\})$	176

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^4, 6^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^{16}, 4^4, 6^2\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^6, 6^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^6, 6^2\})$	349504
12	$\mathcal{O}(0; \{2^{15}, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^7, 4^8, 6^2\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^8, 6^2\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{10}, 6^2\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{10}, 6^2\})$	87040
12	$\mathcal{O}(0; \{3^{10}, 4^{10}, 6^2\})$	699392
12	$\mathcal{O}(0; \{2^9, 3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{12}, 6^2\})$	45056
12	$\mathcal{O}(0; \{2, 3^7, 4^{12}, 6^2\})$	348160
12	$\mathcal{O}(0; \{2^6, 3, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{14}, 6^2\})$	180224
12	$\mathcal{O}(0; \{2^3, 3, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{3, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^2, 6^3\})$	87380
12	$\mathcal{O}(0; \{2, 3^{17}, 4^2, 6^3\})$	699052
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^4, 6^3\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^4, 6^3\})$	349520
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^8, 4^6, 6^3\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^6, 6^3\})$	174784
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^5, 4^8, 6^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^8, 4^8, 6^3\})$	87296
12	$\mathcal{O}(0; \{3^{11}, 4^8, 6^3\})$	699136

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{10}, 6^3\})$	44032
12	$\mathcal{O}(0; \{2, 3^8, 4^{10}, 6^3\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{12}, 6^3\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{12}, 6^3\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{14}, 6^3\})$	81920
12	$\mathcal{O}(0; \{3^2, 4^{16}, 6^3\})$	327680
12	$\mathcal{O}(0; \{2^{22}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^2, 6^4\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^2, 6^4\})$	349524
12	$\mathcal{O}(0; \{2^{19}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^9, 4^4, 6^4\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^4, 6^4\})$	174768
12	$\mathcal{O}(0; \{2^{16}, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^6, 4^6, 6^4\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^9, 4^6, 6^4\})$	87360
12	$\mathcal{O}(0; \{3^{12}, 4^6, 6^4\})$	699072
12	$\mathcal{O}(0; \{2^{13}, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2^9, 3^3, 4^8, 6^4\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^6, 4^8, 6^4\})$	43776
12	$\mathcal{O}(0; \{2, 3^9, 4^8, 6^4\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{10}, 6^4\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{10}, 6^4\})$	175104
12	$\mathcal{O}(0; \{2^7, 4^{12}, 6^4\})$	12288
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{12}, 6^4\})$	86016
12	$\mathcal{O}(0; \{2^4, 4^{14}, 6^4\})$	49152
12	$\mathcal{O}(0; \{3^3, 4^{14}, 6^4\})$	344064
12	$\mathcal{O}(0; \{2, 4^{16}, 6^4\})$	196608
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 6^5\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 6^5\})$	174764
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 6^5\})$	10928

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 6^5\})$	87376
12	$\mathcal{O}(0; \{3^{13}, 4^4, 6^5\})$	699056
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 6^5\})$	43712
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 6^5\})$	349504
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 6^5\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 6^5\})$	174848
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 6^5\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 6^5\})$	87040
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 6^5\})$	45056
12	$\mathcal{O}(0; \{3^4, 4^{12}, 6^5\})$	348160
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 6^5\})$	180224
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6^6\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6^6\})$	87380
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6^6\})$	699052
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6^6\})$	43696
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6^6\})$	349520
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6^6\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6^6\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6^6\})$	44032
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6^6\})$	349184
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6^6\})$	176128
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^7\})$	43692
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^7\})$	349524
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^7\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^7\})$	174768
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^7\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^7\})$	87360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4^8, 6^7\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^7\})$	43776
12	$\mathcal{O}(0; \{3^6, 4^8, 6^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^7\})$	21504
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^7\})$	175104
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^7\})$	86016
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^8\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^8\})$	174764
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^8\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^8\})$	87376
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^8\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^8\})$	43712
12	$\mathcal{O}(0; \{3^7, 4^6, 6^8\})$	349504
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^8\})$	21760
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^8\})$	174848
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^8\})$	87040
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^9\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^9\})$	87380
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^9\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^9\})$	43696
12	$\mathcal{O}(0; \{3^8, 4^4, 6^9\})$	349520
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^9\})$	21824
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^9\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^9\})$	87296
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^{10}\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^{10}\})$	43692
12	$\mathcal{O}(0; \{3^9, 4^2, 6^{10}\})$	349524
12	$\mathcal{O}(0; \{2^9, 4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^{10}\})$	21840
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^{10}\})$	174768
12	$\mathcal{O}(0; \{2^6, 4^6, 6^{10}\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^{10}\})$	87360
12	$\mathcal{O}(0; \{2^3, 4^8, 6^{10}\})$	43776
12	$\mathcal{O}(0; \{4^{10}, 6^{10}\})$	175104
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^{11}\})$	21844
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^{11}\})$	174764
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^{11}\})$	10928

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^{11}\})$	87376
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^{11}\})$	43712
12	$\mathcal{O}(0; \{3, 4^8, 6^{11}\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^{12}\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^{12}\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^{12}\})$	43696
12	$\mathcal{O}(0; \{3^2, 4^6, 6^{12}\})$	174784
12	$\mathcal{O}(0; \{2^7, 4^2, 6^{13}\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^{13}\})$	43692
12	$\mathcal{O}(0; \{2^4, 4^4, 6^{13}\})$	21840
12	$\mathcal{O}(0; \{3^3, 4^4, 6^{13}\})$	174768
12	$\mathcal{O}(0; \{2, 4^6, 6^{13}\})$	87360
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^{14}\})$	21844
12	$\mathcal{O}(0; \{3^4, 4^2, 6^{14}\})$	174764
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^{14}\})$	87376
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{15}\})$	87380
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{16}\})$	43692
12	$\mathcal{O}(0; \{2^{27}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{16}, 4, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{19}, 4, 12\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^3, 12\})$	349520
12	$\mathcal{O}(0; \{3^{19}, 4^3, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^5, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{16}, 4^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^7, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^7, 12\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 3, 4^9, 12\})$	1024

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^7, 4^9, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^9, 12\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{11}, 12\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{11}, 12\})$	176128
12	$\mathcal{O}(0; \{3^{10}, 4^{11}, 12\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{13}, 12\})$	81920
12	$\mathcal{O}(0; \{2, 3^7, 4^{13}, 12\})$	704512
12	$\mathcal{O}(0; \{2^6, 3, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{15}, 12\})$	327680
12	$\mathcal{O}(0; \{2^3, 3, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{3, 4^{19}, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4, 6, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4, 6, 12\})$	349524
12	$\mathcal{O}(0; \{3^{20}, 4, 6, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^3, 6, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{17}, 4^3, 6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^5, 6, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^5, 6, 12\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^8, 4^7, 6, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^7, 6, 12\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^5, 4^9, 6, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^8, 4^9, 6, 12\})$	175104
12	$\mathcal{O}(0; \{3^{11}, 4^9, 6, 12\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{11}, 6, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^8, 4^{11}, 6, 12\})$	700416

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{13}, 6, 12\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{13}, 6, 12\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{15}, 6, 12\})$	196608
12	$\mathcal{O}(0; \{3^2, 4^{17}, 6, 12\})$	786432
12	$\mathcal{O}(0; \{2^{25}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4, 6^2, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{18}, 4, 6^2, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^3, 6^2, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^3, 6^2, 12\})$	699056
12	$\mathcal{O}(0; \{2^{19}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^9, 4^5, 6^2, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^5, 6^2, 12\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^6, 4^7, 6^2, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^9, 4^7, 6^2, 12\})$	174848
12	$\mathcal{O}(0; \{3^{12}, 4^7, 6^2, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^6, 4^9, 6^2, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^9, 4^9, 6^2, 12\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{11}, 6^2, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{11}, 6^2, 12\})$	348160
12	$\mathcal{O}(0; \{2^7, 4^{13}, 6^2, 12\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{13}, 6^2, 12\})$	180224
12	$\mathcal{O}(0; \{2^4, 4^{15}, 6^2, 12\})$	65536
12	$\mathcal{O}(0; \{3^3, 4^{15}, 6^2, 12\})$	720896
12	$\mathcal{O}(0; \{2, 4^{17}, 6^2, 12\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4, 6^3, 12\})$	10924

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4, 6^3, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4, 6^3, 12\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^3, 6^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^3, 6^3, 12\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^7, 4^5, 6^3, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^5, 6^3, 12\})$	174784
12	$\mathcal{O}(0; \{3^{13}, 4^5, 6^3, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^7, 4^7, 6^3, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^{10}, 4^7, 6^3, 12\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^4, 4^9, 6^3, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^7, 4^9, 6^3, 12\})$	349184
12	$\mathcal{O}(0; \{2^7, 3, 4^{11}, 6^3, 12\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{11}, 6^3, 12\})$	176128
12	$\mathcal{O}(0; \{2^4, 3, 4^{13}, 6^3, 12\})$	81920
12	$\mathcal{O}(0; \{3^4, 4^{13}, 6^3, 12\})$	704512
12	$\mathcal{O}(0; \{2, 3, 4^{15}, 6^3, 12\})$	327680
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4, 6^4, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4, 6^4, 12\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^8, 4^3, 6^4, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^3, 6^4, 12\})$	174768
12	$\mathcal{O}(0; \{3^{14}, 4^3, 6^4, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^8, 4^5, 6^4, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^{11}, 4^5, 6^4, 12\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^5, 4^7, 6^4, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^8, 4^7, 6^4, 12\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^2, 4^9, 6^4, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^5, 4^9, 6^4, 12\})$	175104

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{11}, 6^4, 12\})$	86016
12	$\mathcal{O}(0; \{3^5, 4^{11}, 6^4, 12\})$	700416
12	$\mathcal{O}(0; \{2, 3^2, 4^{13}, 6^4, 12\})$	344064
12	$\mathcal{O}(0; \{2^{20}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 6^5, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 6^5, 12\})$	174764
12	$\mathcal{O}(0; \{3^{15}, 4, 6^5, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 6^5, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 6^5, 12\})$	699056
12	$\mathcal{O}(0; \{2^{14}, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 6^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 6^5, 12\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 6^5, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 6^5, 12\})$	174848
12	$\mathcal{O}(0; \{2^8, 4^9, 6^5, 12\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 6^5, 12\})$	87040
12	$\mathcal{O}(0; \{3^6, 4^9, 6^5, 12\})$	699392
12	$\mathcal{O}(0; \{2^5, 4^{11}, 6^5, 12\})$	45056
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 6^5, 12\})$	348160
12	$\mathcal{O}(0; \{2^2, 4^{13}, 6^5, 12\})$	180224
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6^6, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6^6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6^6, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6^6, 12\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6^6, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6^6, 12\})$	174784
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6^6, 12\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6^6, 12\})$	87296
12	$\mathcal{O}(0; \{3^7, 4^7, 6^6, 12\})$	699136
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6^6, 12\})$	44032

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6^6, 12\})$	349184
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6^6, 12\})$	176128
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^7, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^7, 12\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^7, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^7, 12\})$	174768
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^7, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^7, 12\})$	87360
12	$\mathcal{O}(0; \{3^8, 4^5, 6^7, 12\})$	699072
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^7, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^7, 12\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^7, 12\})$	175104
12	$\mathcal{O}(0; \{2^{15}, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^8, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^8, 12\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^8, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^8, 12\})$	87376
12	$\mathcal{O}(0; \{3^9, 4^3, 6^8, 12\})$	699056
12	$\mathcal{O}(0; \{2^9, 4^5, 6^8, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^8, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^8, 12\})$	349504
12	$\mathcal{O}(0; \{2^6, 4^7, 6^8, 12\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^8, 12\})$	174848
12	$\mathcal{O}(0; \{2^3, 4^9, 6^8, 12\})$	87040
12	$\mathcal{O}(0; \{4^{11}, 6^8, 12\})$	348160
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^9, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^9, 12\})$	87380
12	$\mathcal{O}(0; \{3^{10}, 4, 6^9, 12\})$	699052
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^9, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^9, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^9, 12\})$	349520
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^9, 12\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^9, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^9, 12\})$	87296
12	$\mathcal{O}(0; \{3, 4^9, 6^9, 12\})$	349184
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^{10}, 12\})$	43692

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^{10}, 12\})$	349524
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^{10}, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^{10}, 12\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^{10}, 12\})$	87360
12	$\mathcal{O}(0; \{3^2, 4^7, 6^{10}, 12\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^{11}, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^{11}, 12\})$	174764
12	$\mathcal{O}(0; \{2^7, 4^3, 6^{11}, 12\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^{11}, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 4^5, 6^{11}, 12\})$	43712
12	$\mathcal{O}(0; \{3^3, 4^5, 6^{11}, 12\})$	349504
12	$\mathcal{O}(0; \{2, 4^7, 6^{11}, 12\})$	174848
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^{12}, 12\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^{12}, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^{12}, 12\})$	43696
12	$\mathcal{O}(0; \{3^4, 4^3, 6^{12}, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^{12}, 12\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^{13}, 12\})$	43692
12	$\mathcal{O}(0; \{3^5, 4, 6^{13}, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^{13}, 12\})$	174768
12	$\mathcal{O}(0; \{2^5, 4, 6^{14}, 12\})$	21844
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^{14}, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 4^3, 6^{14}, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{15}, 12\})$	87380
12	$\mathcal{O}(0; \{4, 6^{17}, 12\})$	174764
12	$\mathcal{O}(0; \{2^{28}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{18}, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{21}, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{25}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{18}, 4^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{22}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^4, 12^2\})$	320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^9, 4^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{16}, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^6, 4^8, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^9, 4^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^{12}, 4^8, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{13}, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{10}, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^9, 4^{10}, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{12}, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{12}, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^7, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{14}, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^4, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{3^3, 4^{16}, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2, 4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{16}, 6, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{19}, 6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^2, 6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^2, 6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^4, 6, 12^2\})$	87360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^4, 6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^7, 4^6, 6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^6, 6, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^{13}, 4^6, 6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^4, 4^8, 6, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^7, 4^8, 6, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^{10}, 4^8, 6, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{10}, 6, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{10}, 6, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^7, 3, 4^{12}, 6, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{12}, 6, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^4, 3, 4^{14}, 6, 12^2\})$	196608
12	$\mathcal{O}(0; \{3^4, 4^{14}, 6, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2, 3, 4^{16}, 6, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{22}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{14}, 6^2, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{17}, 6^2, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 6^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 6^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 6^2, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 6^2, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{14}, 4^4, 6^2, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 6^2, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 6^2, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 6^2, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 6^2, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 6^2, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 6^2, 12^2\})$	348160

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 6^2, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^5, 4^{12}, 6^2, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 6^2, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{23}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{12}, 6^3, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{15}, 6^3, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6^3, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6^3, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6^3, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6^3, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6^3, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6^3, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6^3, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6^3, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6^3, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6^3, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6^3, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6^3, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6^3, 12^2\})$	81920
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6^3, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6^3, 12^2\})$	327680
12	$\mathcal{O}(0; \{2^{20}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{10}, 6^4, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{13}, 6^4, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{16}, 6^4, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^4, 12^2\})$	174768

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^4, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^4, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^4, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^4, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^4, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^7, 4^8, 6^4, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^4, 12^2\})$	86016
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^4, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^4, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^{17}, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^8, 6^5, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{11}, 6^5, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{14}, 6^5, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^5, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^5, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^5, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^5, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^5, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^5, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^8, 4^6, 6^5, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^5, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^5, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^5, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{18}, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^9, 6^6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6^6, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^6, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^6, 12^2\})$	21824

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^6, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^9, 4^4, 6^6, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^9, 4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^6, 4^8, 6^6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^6, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^6, 12^2\})$	176128
12	$\mathcal{O}(0; \{4^{12}, 6^6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{15}, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^7, 6^7, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^7, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^7, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^7, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^7, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^7, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^7, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^7, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^7, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^7, 12^2\})$	175104
12	$\mathcal{O}(0; \{3, 4^{10}, 6^7, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^5, 6^8, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^8, 6^8, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^{11}, 6^8, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^8, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^8, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^8, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^8, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^8, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^2, 4^8, 6^8, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{13}, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^3, 6^9, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^6, 6^9, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^9, 6^9, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^9, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^9, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^7, 4^4, 6^9, 12^2\})$	21824

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^9, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^4, 4^6, 6^9, 12^2\})$	87296
12	$\mathcal{O}(0; \{3^3, 4^6, 6^9, 12^2\})$	699136
12	$\mathcal{O}(0; \{2, 4^8, 6^9, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^4, 6^{10}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^7, 6^{10}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^{10}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^{10}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^{10}, 12^2\})$	87360
12	$\mathcal{O}(0; \{3^4, 4^4, 6^{10}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^{10}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^2, 6^{11}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^5, 6^{11}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^{11}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^5, 4^2, 6^{11}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^{11}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^8, 6^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^3, 6^{12}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^6, 6^{12}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{12}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{12}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{12}, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^5, 3, 6^{13}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2, 3^4, 6^{13}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{13}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^2, 6^{14}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 6^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{4^2, 6^{15}, 12^2\})$	349520
12	$\mathcal{O}(0; \{3, 6^{16}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^5, 12^3\})$	11008

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^8, 4^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^{14}, 4^5, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^8, 4^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^{11}, 4^7, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^5, 4^9, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^8, 4^9, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{11}, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{11}, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{13}, 12^3\})$	327680
12	$\mathcal{O}(0; \{3^5, 4^{13}, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2, 3^2, 4^{15}, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{23}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4, 6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4, 6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^9, 4^3, 6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^3, 6, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{15}, 4^3, 6, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^9, 4^5, 6, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^{12}, 4^5, 6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^6, 4^7, 6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^9, 4^7, 6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^3, 4^9, 6, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^6, 4^9, 6, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^8, 4^{11}, 6, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{11}, 6, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^6, 4^{11}, 6, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^5, 4^{13}, 6, 12^3\})$	196608

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4^{13}, 6, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^2, 4^{15}, 6, 12^3\})$	786432
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 6^2, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 6^2, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{16}, 4, 6^2, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 6^2, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 6^2, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 6^2, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 6^2, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 6^2, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 6^2, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 6^2, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 6^2, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^7, 4^9, 6^2, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 6^2, 12^3\})$	180224
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 6^2, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 6^2, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6^3, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6^3, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6^3, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6^3, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6^3, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6^3, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^8, 4^7, 6^3, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6^3, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6^3, 12^3\})$	1396736

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6^3, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{18}, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^4, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^4, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^4, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^4, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^9, 4^5, 6^4, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^9, 4^7, 6^4, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^4, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^4, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^6, 4^9, 6^4, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^4, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^4, 12^3\})$	344064
12	$\mathcal{O}(0; \{4^{13}, 6^4, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^5, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^5, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^5, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^5, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^5, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^5, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^5, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^5, 12^3\})$	348160
12	$\mathcal{O}(0; \{3, 4^{11}, 6^5, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^6, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^{11}, 4, 6^6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^6, 12^3\})$	1398080

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^6, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^6, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^2, 4^9, 6^6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^{13}, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^7, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^7, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^7, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^7, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^7, 4^5, 6^7, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^7, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^4, 4^7, 6^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{3^3, 4^7, 6^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2, 4^9, 6^7, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^8, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^8, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^8, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^8, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^8, 12^3\})$	174848
12	$\mathcal{O}(0; \{3^4, 4^5, 6^8, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^8, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^9, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^9, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^9, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^5, 4^3, 6^9, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^9, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^8, 4, 6^{10}, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^{10}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^6, 4, 6^{10}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^5, 4^3, 6^{10}, 12^3\})$	87360
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^{10}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 4^5, 6^{10}, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^{11}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^{11}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^{11}, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{12}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 4, 6^{13}, 12^3\})$	174768
12	$\mathcal{O}(0; \{4^3, 6^{13}, 12^3\})$	699072
12	$\mathcal{O}(0; \{3, 4, 6^{14}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{23}, 3, 12^4\})$	80

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{16}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{16}, 4^2, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^7, 4^{10}, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 12^4\})$	327680
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 12^4\})$	1310720
12	$\mathcal{O}(0; \{2^{20}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{11}, 6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{14}, 6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{17}, 6, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6, 12^4\})$	349440

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^8, 4^8, 6, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6, 12^4\})$	344064
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{21}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{12}, 6^2, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{15}, 6^2, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^2, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^2, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^2, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^2, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^9, 4^6, 6^2, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^9, 4^8, 6^2, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^2, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^2, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^2, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^2, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^2, 12^4\})$	720896
12	$\mathcal{O}(0; \{4^{14}, 6^2, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{18}, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6^3, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6^3, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^3, 12^4\})$	21824

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^3, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^3, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^3, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^3, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^3, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^3, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^3, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^3, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^3, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^3, 12^4\})$	704512
12	$\mathcal{O}(0; \{3, 4^{12}, 6^3, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^8, 6^4, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^4, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^4, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^4, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^4, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^4, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^4, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^4, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^4, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{16}, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^6, 6^5, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^9, 6^5, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{12}, 6^5, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^5, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^5, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^5, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^5, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^7, 4^6, 6^5, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^5, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^4, 4^8, 6^5, 12^4\})$	348160

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^8, 6^5, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2, 4^{10}, 6^5, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{13}, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^7, 6^6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^{10}, 6^6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^6, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{3^4, 4^6, 6^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^5, 6^7, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^8, 6^7, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^7, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^7, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^7, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^5, 4^4, 6^7, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^7, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^3, 6^8, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^6, 6^8, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^8, 4^2, 6^8, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^8, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^6, 4^2, 6^8, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^5, 4^4, 6^8, 12^4\})$	174848
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^8, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^2, 4^6, 6^8, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^8, 3, 6^9, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^4, 6^9, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^7, 6^9, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^9, 12^4\})$	174784
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^9, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^9, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^2, 6^{10}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^5, 6^{10}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{10}, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^6, 6^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^3, 6^{11}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{11}, 12^4\})$	349504

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{4^4, 6^{11}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3, 6^{12}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3, 4^2, 6^{12}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^2, 6^{13}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 6^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^{21}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{18}, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{15}, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^{12}, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^9, 4^7, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^9, 4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 12^5\})$	704512
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^6, 4^{11}, 12^5\})$	327680
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^3, 4^{13}, 12^5\})$	1310720
12	$\mathcal{O}(0; \{4^{15}, 12^5\})$	5242880
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6, 12^5\})$	1397760

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6, 12^5\})$	1376256
12	$\mathcal{O}(0; \{3, 4^{13}, 6, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^2, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^2, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^2, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^2, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^2, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^2, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^2, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^2, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^2, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^2, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^2, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^2, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{16}, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^3, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^3, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{12}, 4, 6^3, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^3, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^3, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^7, 4^7, 6^3, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^3, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^4, 4^9, 6^3, 12^5\})$	704512
12	$\mathcal{O}(0; \{3^3, 4^9, 6^3, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2, 4^{11}, 6^3, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^4, 12^5\})$	699072

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^4, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^4, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^4, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^4, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^4, 12^5\})$	700416
12	$\mathcal{O}(0; \{3^4, 4^7, 6^4, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^4, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^5, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^5, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^5, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^5, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^5, 4^5, 6^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^5, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^{11}, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^8, 4^3, 6^6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^6, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^6, 4^3, 6^6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^5, 4^5, 6^6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^2, 4^7, 6^6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^7, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^7, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^7, 4, 6^7, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^7, 12^5\})$	349440
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^7, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^7, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^8, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^8, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^8, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^6, 4, 6^9, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^9, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^3, 4^3, 6^9, 12^5\})$	699136
12	$\mathcal{O}(0; \{4^5, 6^9, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{10}, 12^5\})$	699072
12	$\mathcal{O}(0; \{3, 4^3, 6^{10}, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^2, 4, 6^{11}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 4, 6^{12}, 12^5\})$	1398080

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{18}, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{14}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^{11}, 4^4, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 12^6\})$	2818048
12	$\mathcal{O}(0; \{3^2, 4^{12}, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{19}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^9, 6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^7, 4^8, 6, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6, 12^6\})$	1376256
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2, 4^{12}, 6, 12^6\})$	5505024
12	$\mathcal{O}(0; \{2^{16}, 3, 6^2, 12^6\})$	5440

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^7, 6^2, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^2, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{13}, 6^2, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^2, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^2, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^2, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^2, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^2, 12^6\})$	1392640
12	$\mathcal{O}(0; \{3^4, 4^8, 6^2, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^2, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^8, 6^3, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{11}, 6^3, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^3, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^3, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^3, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^3, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^3, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^5, 4^6, 6^3, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^3, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{14}, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^6, 6^4, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^9, 6^4, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^4, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^4, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^8, 4^4, 6^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^6, 4^4, 6^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^5, 4^6, 6^4, 12^6\})$	700416
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^4, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^2, 4^8, 6^4, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2^{11}, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^4, 6^5, 12^6\})$	349504

Continued on next page

Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^7, 6^5, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^5, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^5, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^7, 4^2, 6^5, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^5, 12^6\})$	699392
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^5, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^5, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3^2, 6^6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^5, 6^6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^8, 6^6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^6, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^9, 6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^3, 6^7, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^6, 6^7, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^6, 4^2, 6^7, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^7, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^3, 4^4, 6^7, 12^6\})$	1397760
12	$\mathcal{O}(0; \{4^6, 6^7, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3, 6^8, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^4, 6^8, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^8, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3, 4^4, 6^8, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^2, 6^9, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^2, 4^2, 6^9, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^4, 6^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{3^3, 6^{10}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 4^2, 6^{10}, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3, 6^{11}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^{13}, 4, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 12^7\})$	704512

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 12^7\})$	2818048
12	$\mathcal{O}(0; \{3^4, 4^9, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3^5, 4^7, 6, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{14}, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^2, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^2, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^2, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^2, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^8, 4^5, 6^2, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^2, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^6, 4^5, 6^2, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^5, 4^7, 6^2, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^2, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^2, 4^9, 6^2, 12^7\})$	5570560
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^3, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^3, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^7, 4^3, 6^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^3, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^3, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^3, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^8, 4, 6^4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^4, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^4, 12^7\})$	11185152

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^4, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^9, 4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^5, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^5, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^6, 4^3, 6^5, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^5, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^3, 4^5, 6^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{4^7, 6^5, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3, 4^5, 6^6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^7, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^2, 4^3, 6^7, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^4, 4, 6^8, 12^7\})$	1398016
12	$\mathcal{O}(0; \{3^3, 4, 6^8, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2, 4^3, 6^8, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2, 3, 4, 6^9, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{17}, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^{13}, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{12}, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{14}, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^{11}, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^8, 4^6, 12^8\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3^6, 4^6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^5, 4^8, 12^8\})$	2818048
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^2, 4^{10}, 12^8\})$	11272192
12	$\mathcal{O}(0; \{2^{14}, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^7, 6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6, 12^8\})$	11185152

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^7, 4^4, 6, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6, 12^8\})$	11206656
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^5, 6^2, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^8, 6^2, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^8, 4^2, 6^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^2, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^2, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^2, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^{12}, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^3, 6^3, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^6, 6^3, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^9, 6^3, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^9, 4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^3, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^3, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^6, 4^4, 6^3, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^3, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^3, 4^6, 6^3, 12^8\})$	5586944
12	$\mathcal{O}(0; \{4^8, 6^3, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^9, 3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^4, 6^4, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^7, 6^4, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^4, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^4, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3, 4^6, 6^4, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^6, 3^2, 6^5, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^5, 6^5, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^5, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^2, 4^4, 6^5, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^7, 6^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^3, 6^6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^4, 4^2, 6^6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{3^3, 4^2, 6^6, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2, 4^4, 6^6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3, 6^7, 12^8\})$	2796288

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 6^7, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^7, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2, 3^2, 6^8, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^2, 6^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^8, 4^3, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^{12}, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^9, 4, 6, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^9, 4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^6, 4^5, 6, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^3, 4^7, 6, 12^9\})$	11206656
12	$\mathcal{O}(0; \{4^9, 6, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^2, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^2, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^2, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^2, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^2, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3, 4^7, 6^2, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^3, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^3, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^2, 4^5, 6^3, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^7, 4, 6^4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^4, 4^3, 6^4, 12^9\})$	5591040
12	$\mathcal{O}(0; \{3^3, 4^3, 6^4, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2, 4^5, 6^4, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^5, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3^4, 4, 6^5, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^5, 12^9\})$	22368256

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^2, 4, 6^7, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^{12}, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^{10}, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{3, 4^8, 12^{10}\})$	89391104
12	$\mathcal{O}(0; \{2^9, 3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^5, 6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^8, 6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3^2, 4^6, 6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^{10}, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^7, 4^2, 6^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^4, 4^4, 6^2, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{3^3, 4^4, 6^2, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2, 4^6, 6^2, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^7, 3, 6^3, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^3, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{3^4, 4^2, 6^3, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^3, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^5, 6^4, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^4, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^5, 6^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2, 3^3, 6^5, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^2, 4^2, 6^5, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3, 6^6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{6^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 4, 12^{11}\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 12^{11}\})$	11186176

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^7, 4^3, 12^{11}\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 4^5, 12^{11}\})$	22347776
12	$\mathcal{O}(0; \{3^3, 4^5, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2, 4^7, 12^{11}\})$	89391104
12	$\mathcal{O}(0; \{2^7, 3, 4, 6, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{3^4, 4^3, 6, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2, 3, 4^5, 6, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^5, 4, 6^2, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^5, 4, 6^3, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{4, 6^6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^7, 3^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{3^5, 4^2, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^8, 6, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^3, 6, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^6, 6, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^5, 4^2, 6, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 4^4, 6, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{2^5, 3, 6^2, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^4, 6^2, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 6^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{4^2, 6^4, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{3, 6^5, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3, 4, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^4, 4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 4, 6^2, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{4^3, 6^2, 12^{13}\})$	357892096

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4, 6^3, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^6, 12^{14}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 4^2, 12^{14}\})$	178978816
12	$\mathcal{O}(0; \{4^4, 12^{14}\})$	715915264
12	$\mathcal{O}(0; \{2^3, 3, 6, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{3, 4^2, 6, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{3^2, 6^2, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2, 6^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{3^2, 4, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2, 4, 6, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{2, 3, 12^{16}\})$	1431633920
13	$\mathcal{O}(6; \{13^3\})$	3075347236167492
13	$\mathcal{O}(0; \{13^{16}\})$	14221866068848956
14	$\mathcal{O}(6; \{14^2\})$	340163474251776
14	$\mathcal{O}(5; \{2^4, 14^2\})$	1735527929856
14	$\mathcal{O}(4; \{2^3, 7^4, 14\})$	1638125852160
14	$\mathcal{O}(4; \{2^8, 14^2\})$	8854734336
14	$\mathcal{O}(4; \{2, 7^3, 14^3\})$	9837609847296
14	$\mathcal{O}(3; \{2^2, 7^8\})$	1806682045056
14	$\mathcal{O}(3; \{2^7, 7^4, 14\})$	8357784960
14	$\mathcal{O}(3; \{2^{12}, 14^2\})$	45177216
14	$\mathcal{O}(3; \{7^7, 14^2\})$	10840047093120
14	$\mathcal{O}(3; \{2^5, 7^3, 14^3\})$	50191886976
14	$\mathcal{O}(3; \{2^3, 7^2, 14^5\})$	301106144640
14	$\mathcal{O}(3; \{2, 7, 14^7\})$	1806682045056
14	$\mathcal{O}(2; \{2^6, 7^8\})$	9217765536
14	$\mathcal{O}(2; \{2^{11}, 7^4, 14\})$	42641760
14	$\mathcal{O}(2; \{2^{16}, 14^2\})$	230496
14	$\mathcal{O}(2; \{2^4, 7^7, 14^2\})$	55306362720
14	$\mathcal{O}(2; \{2^9, 7^3, 14^3\})$	256081056
14	$\mathcal{O}(2; \{2^2, 7^6, 14^4\})$	331838406816
14	$\mathcal{O}(2; \{2^7, 7^2, 14^5\})$	1536255840
14	$\mathcal{O}(2; \{7^5, 14^6\})$	1991030210400
14	$\mathcal{O}(2; \{2^5, 7, 14^7\})$	9217765536
14	$\mathcal{O}(2; \{2^3, 14^9\})$	55306362720
14	$\mathcal{O}(1; \{2^{10}, 7^8\})$	47029416
14	$\mathcal{O}(1; \{2^{15}, 7^4, 14\})$	217560
14	$\mathcal{O}(1; \{2^3, 7^{11}, 14\})$	60949905576
14	$\mathcal{O}(1; \{2^{20}, 14^2\})$	1176
14	$\mathcal{O}(1; \{2^8, 7^7, 14^2\})$	282175320
14	$\mathcal{O}(1; \{2^{13}, 7^3, 14^3\})$	1306536
14	$\mathcal{O}(1; \{2, 7^{10}, 14^3\})$	365699432280

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^6, 7^6, 14^4\})$	1693053096
14	$\mathcal{O}(1; \{2^{11}, 7^2, 14^5\})$	7838040
14	$\mathcal{O}(1; \{2^4, 7^5, 14^6\})$	10158317400
14	$\mathcal{O}(1; \{2^9, 7, 14^7\})$	47029416
14	$\mathcal{O}(1; \{2^2, 7^4, 14^8\})$	60949905576
14	$\mathcal{O}(1; \{2^7, 14^9\})$	282175320
14	$\mathcal{O}(1; \{7^3, 14^{10}\})$	365699432280
14	$\mathcal{O}(0; \{2^{14}, 7^8\})$	239946
14	$\mathcal{O}(0; \{2^2, 7^{15}\})$	67169283510
14	$\mathcal{O}(0; \{2^{19}, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^7, 7^{11}, 14\})$	310968906
14	$\mathcal{O}(0; \{2^{24}, 14^2\})$	6
14	$\mathcal{O}(0; \{2^{12}, 7^7, 14^2\})$	1439670
14	$\mathcal{O}(0; \{7^{14}, 14^2\})$	403015701066
14	$\mathcal{O}(0; \{2^{17}, 7^3, 14^3\})$	6666
14	$\mathcal{O}(0; \{2^5, 7^{10}, 14^3\})$	1865813430
14	$\mathcal{O}(0; \{2^{10}, 7^6, 14^4\})$	8638026
14	$\mathcal{O}(0; \{2^{15}, 7^2, 14^5\})$	39990
14	$\mathcal{O}(0; \{2^3, 7^9, 14^5\})$	11194880586
14	$\mathcal{O}(0; \{2^8, 7^5, 14^6\})$	51828150
14	$\mathcal{O}(0; \{2^{13}, 7, 14^7\})$	239946
14	$\mathcal{O}(0; \{2, 7^8, 14^7\})$	67169283510
14	$\mathcal{O}(0; \{2^6, 7^4, 14^8\})$	310968906
14	$\mathcal{O}(0; \{2^{11}, 14^9\})$	1439670
14	$\mathcal{O}(0; \{2^4, 7^3, 14^{10}\})$	1865813430
14	$\mathcal{O}(0; \{2^2, 7^2, 14^{12}\})$	11194880586
14	$\mathcal{O}(0; \{7, 14^{14}\})$	67169283510
15	$\mathcal{O}(5; \{3^2, 5, 15\})$	4613203125000
15	$\mathcal{O}(4; \{3^4, 5^3\})$	184528125000
15	$\mathcal{O}(4; \{3^5, 5, 15\})$	225534375000
15	$\mathcal{O}(4; \{5^4, 15^2\})$	4203140625000
15	$\mathcal{O}(4; \{3, 5^2, 15^3\})$	3136978125000
15	$\mathcal{O}(4; \{3^2, 15^4\})$	2931946875000
15	$\mathcal{O}(3; \{3^7, 5^3\})$	5740875000
15	$\mathcal{O}(3; \{3^8, 5, 15\})$	7745625000
15	$\mathcal{O}(3; \{3^2, 5^6, 15\})$	74631375000
15	$\mathcal{O}(3; \{3^3, 5^4, 15^2\})$	93403125000
15	$\mathcal{O}(3; \{3^4, 5^2, 15^3\})$	97594875000
15	$\mathcal{O}(3; \{3^5, 15^4\})$	100693125000
15	$\mathcal{O}(3; \{5^3, 15^5\})$	1493083125000
15	$\mathcal{O}(3; \{3, 5, 15^6\})$	1567258875000
15	$\mathcal{O}(2; \{3^{10}, 5^3\})$	207765000
15	$\mathcal{O}(2; \{3^4, 5^8\})$	3981555000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(2; \{3^{11}, 5, 15\})$	276615000
15	$\mathcal{O}(2; \{3^5, 5^6, 15\})$	3648645000
15	$\mathcal{O}(2; \{3^6, 5^4, 15^2\})$	3570075000
15	$\mathcal{O}(2; \{5^9, 15^2\})$	84934575000
15	$\mathcal{O}(2; \{3^7, 5^2, 15^3\})$	3532005000
15	$\mathcal{O}(2; \{3, 5^7, 15^3\})$	63701235000
15	$\mathcal{O}(2; \{3^8, 15^4\})$	3595995000
15	$\mathcal{O}(2; \{3^2, 5^5, 15^4\})$	58391685000
15	$\mathcal{O}(2; \{3^3, 5^3, 15^5\})$	57068955000
15	$\mathcal{O}(2; \{3^4, 5, 15^6\})$	56719845000
15	$\mathcal{O}(2; \{5^2, 15^8\})$	913051035000
15	$\mathcal{O}(2; \{3, 15^9\})$	907725285000
15	$\mathcal{O}(1; \{3^{13}, 5^3\})$	7371000
15	$\mathcal{O}(1; \{3^7, 5^8\})$	123870600
15	$\mathcal{O}(1; \{3^{14}, 5, 15\})$	9829800
15	$\mathcal{O}(1; \{3^8, 5^6, 15\})$	125307000
15	$\mathcal{O}(1; \{3^2, 5^{11}, 15\})$	1509949800
15	$\mathcal{O}(1; \{3^9, 5^4, 15^2\})$	125829000
15	$\mathcal{O}(1; \{3^3, 5^9, 15^2\})$	1887435000
15	$\mathcal{O}(1; \{3^{10}, 5^2, 15^3\})$	125307000
15	$\mathcal{O}(1; \{3^4, 5^7, 15^3\})$	1981816200
15	$\mathcal{O}(1; \{3^{11}, 15^4\})$	127787400
15	$\mathcal{O}(1; \{3^5, 5^5, 15^4\})$	2005371000
15	$\mathcal{O}(1; \{3^6, 5^3, 15^5\})$	2011422600
15	$\mathcal{O}(1; \{5^8, 15^5\})$	30198987000
15	$\mathcal{O}(1; \{3^7, 5, 15^6\})$	2012283000
15	$\mathcal{O}(1; \{3, 5^6, 15^6\})$	31708945800
15	$\mathcal{O}(1; \{3^2, 5^4, 15^7\})$	32086395000
15	$\mathcal{O}(1; \{3^3, 5^2, 15^8\})$	32180920200
15	$\mathcal{O}(1; \{3^4, 15^9\})$	32203899000
15	$\mathcal{O}(1; \{5, 15^{11}\})$	514892881800
15	$\mathcal{O}(0; \{3^{16}, 5^3\})$	262152
15	$\mathcal{O}(0; \{3^{10}, 5^8\})$	4482936
15	$\mathcal{O}(0; \{3^4, 5^{13}\})$	80530632
15	$\mathcal{O}(0; \{3^{17}, 5, 15\})$	349528
15	$\mathcal{O}(0; \{3^{11}, 5^6, 15\})$	4475016
15	$\mathcal{O}(0; \{3^5, 5^{11}, 15\})$	73819768
15	$\mathcal{O}(0; \{3^{12}, 5^4, 15^2\})$	4478840
15	$\mathcal{O}(0; \{3^6, 5^9, 15^2\})$	72141960
15	$\mathcal{O}(0; \{5^{14}, 15^2\})$	1717986920
15	$\mathcal{O}(0; \{3^{13}, 5^2, 15^3\})$	4456584
15	$\mathcal{O}(0; \{3^7, 5^7, 15^3\})$	71722872
15	$\mathcal{O}(0; \{3, 5^{12}, 15^3\})$	1288490184

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^{14}, 15^4\})$	4543864
15	$\mathcal{O}(0; \{3^8, 5^5, 15^4\})$	71616648
15	$\mathcal{O}(0; \{3^2, 5^{10}, 15^4\})$	1181116024
15	$\mathcal{O}(0; \{3^9, 5^3, 15^5\})$	71595896
15	$\mathcal{O}(0; \{3^3, 5^8, 15^5\})$	1154272392
15	$\mathcal{O}(0; \{3^{10}, 5, 15^6\})$	71567496
15	$\mathcal{O}(0; \{3^4, 5^6, 15^6\})$	1147561848
15	$\mathcal{O}(0; \{3^5, 5^4, 15^7\})$	1145882760
15	$\mathcal{O}(0; \{3^6, 5^2, 15^8\})$	1145468792
15	$\mathcal{O}(0; \{5^7, 15^8\})$	18468359304
15	$\mathcal{O}(0; \{3^7, 15^9\})$	1145342088
15	$\mathcal{O}(0; \{3, 5^5, 15^9\})$	18360985464
15	$\mathcal{O}(0; \{3^2, 5^3, 15^{10}\})$	18334140552
15	$\mathcal{O}(0; \{3^3, 5, 15^{11}\})$	18327435128
15	$\mathcal{O}(0; \{15^{14}\})$	293238896504
16	$\mathcal{O}(5; \{2, 16^2\})$	8796093022208
16	$\mathcal{O}(4; \{2^5, 16^2\})$	34359738368
16	$\mathcal{O}(4; \{2^2, 4^2, 16^2\})$	137438953472
16	$\mathcal{O}(4; \{4, 8^2, 16^2\})$	1099511627776
16	$\mathcal{O}(3; \{2^9, 16^2\})$	134217728
16	$\mathcal{O}(3; \{2^6, 4^2, 16^2\})$	536870912
16	$\mathcal{O}(3; \{2^3, 4^4, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{4^6, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2^4, 4, 8^2, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{2, 4^3, 8^2, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{2^2, 8^4, 16^2\})$	34359738368
16	$\mathcal{O}(3; \{2^2, 4, 8, 16^4\})$	68719476736
16	$\mathcal{O}(3; \{8^3, 16^4\})$	549755813888
16	$\mathcal{O}(3; \{4, 16^6\})$	1099511627776
16	$\mathcal{O}(2; \{2^{13}, 16^2\})$	524288
16	$\mathcal{O}(2; \{2^{10}, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2^7, 4^4, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^4, 4^6, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2, 4^8, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^8, 4, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^5, 4^3, 8^2, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^2, 4^5, 8^2, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^6, 8^4, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^3, 4^2, 8^4, 16^2\})$	536870912
16	$\mathcal{O}(2; \{4^4, 8^4, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2, 4, 8^6, 16^2\})$	4294967296
16	$\mathcal{O}(2; \{2^6, 4, 8, 16^4\})$	268435456
16	$\mathcal{O}(2; \{2^3, 4^3, 8, 16^4\})$	1073741824

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{4^5, 8, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2^4, 8^3, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2, 4^2, 8^3, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{2^4, 4, 16^6\})$	4294967296
16	$\mathcal{O}(2; \{2, 4^3, 16^6\})$	17179869184
16	$\mathcal{O}(2; \{2^2, 8^2, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{8, 16^8\})$	549755813888
16	$\mathcal{O}(1; \{2^{17}, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^{14}, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^{11}, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^8, 4^6, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^5, 4^8, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^2, 4^{10}, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^{12}, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^9, 4^3, 8^2, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^6, 4^5, 8^2, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^3, 4^7, 8^2, 16^2\})$	4194304
16	$\mathcal{O}(1; \{4^9, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^{10}, 8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^7, 4^2, 8^4, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^4, 4^4, 8^4, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2, 4^6, 8^4, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^5, 4, 8^6, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^2, 4^3, 8^6, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^3, 8^8, 16^2\})$	134217728
16	$\mathcal{O}(1; \{4^2, 8^8, 16^2\})$	536870912
16	$\mathcal{O}(1; \{2^{10}, 4, 8, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^7, 4^3, 8, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^4, 4^5, 8, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2, 4^7, 8, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^8, 8^3, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^5, 4^2, 8^3, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^2, 4^4, 8^3, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^3, 4, 8^5, 16^4\})$	268435456
16	$\mathcal{O}(1; \{4^3, 8^5, 16^4\})$	1073741824
16	$\mathcal{O}(1; \{2, 8^7, 16^4\})$	2147483648
16	$\mathcal{O}(1; \{2^8, 4, 16^6\})$	16777216
16	$\mathcal{O}(1; \{2^5, 4^3, 16^6\})$	67108864
16	$\mathcal{O}(1; \{2^2, 4^5, 16^6\})$	268435456
16	$\mathcal{O}(1; \{2^6, 8^2, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2^3, 4^2, 8^2, 16^6\})$	536870912
16	$\mathcal{O}(1; \{4^4, 8^2, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2, 4, 8^4, 16^6\})$	4294967296

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^4, 8, 16^8\})$	2147483648
16	$\mathcal{O}(1; \{2, 4^2, 8, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{2^2, 16^{10}\})$	34359738368
16	$\mathcal{O}(0; \{2^{21}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^{18}, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^{15}, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{12}, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{2^9, 4^8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^6, 4^{10}, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^3, 4^{12}, 16^2\})$	32768
16	$\mathcal{O}(0; \{4^{14}, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^{16}, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{13}, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^{10}, 4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^7, 4^7, 8^2, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^4, 4^9, 8^2, 16^2\})$	65536
16	$\mathcal{O}(0; \{2, 4^{11}, 8^2, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{14}, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^{11}, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^8, 4^4, 8^4, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^5, 4^6, 8^4, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^2, 4^8, 8^4, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^9, 4, 8^6, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^6, 4^3, 8^6, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^3, 4^5, 8^6, 16^2\})$	1048576
16	$\mathcal{O}(0; \{4^7, 8^6, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^7, 8^8, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^4, 4^2, 8^8, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2, 4^4, 8^8, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4, 8^{10}, 16^2\})$	16777216
16	$\mathcal{O}(0; \{8^{12}, 16^2\})$	134217728
16	$\mathcal{O}(0; \{2^{14}, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^{11}, 4^3, 8, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^8, 4^5, 8, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^5, 4^7, 8, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^2, 4^9, 8, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{12}, 8^3, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^9, 4^2, 8^3, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^6, 4^4, 8^3, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^3, 4^6, 8^3, 16^4\})$	2097152
16	$\mathcal{O}(0; \{4^8, 8^3, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^7, 4, 8^5, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^4, 4^3, 8^5, 16^4\})$	4194304

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2, 4^5, 8^5, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^5, 8^7, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4^2, 8^7, 16^4\})$	33554432
16	$\mathcal{O}(0; \{4, 8^9, 16^4\})$	268435456
16	$\mathcal{O}(0; \{2^{12}, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{2^9, 4^3, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^6, 4^5, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^3, 4^7, 16^6\})$	4194304
16	$\mathcal{O}(0; \{4^9, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^{10}, 8^2, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^7, 4^2, 8^2, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^4, 4^4, 8^2, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2, 4^6, 8^2, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^5, 4, 8^4, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^2, 4^3, 8^4, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^3, 8^6, 16^6\})$	134217728
16	$\mathcal{O}(0; \{4^2, 8^6, 16^6\})$	536870912
16	$\mathcal{O}(0; \{2^8, 8, 16^8\})$	8388608
16	$\mathcal{O}(0; \{2^5, 4^2, 8, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2^2, 4^4, 8, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^3, 4, 8^3, 16^8\})$	268435456
16	$\mathcal{O}(0; \{4^3, 8^3, 16^8\})$	1073741824
16	$\mathcal{O}(0; \{2, 8^5, 16^8\})$	2147483648
16	$\mathcal{O}(0; \{2^6, 16^{10}\})$	134217728
16	$\mathcal{O}(0; \{2^3, 4^2, 16^{10}\})$	536870912
16	$\mathcal{O}(0; \{4^4, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{2, 4, 8^2, 16^{10}\})$	4294967296
17	$\mathcal{O}(4; \{17^4\})$	26898520692496
18	$\mathcal{O}(4; \{2, 9^2, 18\})$	198359290368
18	$\mathcal{O}(4; \{3^2, 18^2\})$	264479053824
18	$\mathcal{O}(4; \{2, 6, 18^2\})$	132239526912
18	$\mathcal{O}(3; \{2^2, 3, 9^4\})$	11019960576
18	$\mathcal{O}(3; \{6^2, 9^4\})$	22039921152
18	$\mathcal{O}(3; \{2^5, 9^2, 18\})$	612220032
18	$\mathcal{O}(3; \{2, 3^3, 9^2, 18\})$	4897760256
18	$\mathcal{O}(3; \{2^2, 3, 6, 9^2, 18\})$	2448880128
18	$\mathcal{O}(3; \{6^3, 9^2, 18\})$	4897760256
18	$\mathcal{O}(3; \{2^4, 3^2, 18^2\})$	816293376
18	$\mathcal{O}(3; \{3^5, 18^2\})$	6530347008
18	$\mathcal{O}(3; \{2^5, 6, 18^2\})$	408146688
18	$\mathcal{O}(3; \{2, 3^3, 6, 18^2\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 3, 6^2, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{6^4, 18^2\})$	3265173504

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{3, 9^3, 18^2\})$	55099802880
18	$\mathcal{O}(3; \{2^3, 9, 18^3\})$	5509980288
18	$\mathcal{O}(3; \{3, 6, 9, 18^3\})$	22039921152
18	$\mathcal{O}(3; \{2, 18^5\})$	27549901440
18	$\mathcal{O}(2; \{2^6, 3, 9^4\})$	34012224
18	$\mathcal{O}(2; \{2^2, 3^4, 9^4\})$	272097792
18	$\mathcal{O}(2; \{2^3, 3^2, 6, 9^4\})$	136048896
18	$\mathcal{O}(2; \{2^4, 6^2, 9^4\})$	68024448
18	$\mathcal{O}(2; \{3^3, 6^2, 9^4\})$	544195584
18	$\mathcal{O}(2; \{2, 3, 6^3, 9^4\})$	272097792
18	$\mathcal{O}(2; \{2^2, 9^7\})$	3214155168
18	$\mathcal{O}(2; \{2^9, 9^2, 18\})$	1889568
18	$\mathcal{O}(2; \{2^5, 3^3, 9^2, 18\})$	15116544
18	$\mathcal{O}(2; \{2, 3^6, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^6, 3, 6, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^4, 6, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^3, 3^2, 6^2, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{2^4, 6^3, 9^2, 18\})$	15116544
18	$\mathcal{O}(2; \{3^3, 6^3, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2, 3, 6^4, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2, 3^2, 9^5, 18\})$	2244806784
18	$\mathcal{O}(2; \{2^2, 6, 9^5, 18\})$	1122403392
18	$\mathcal{O}(2; \{2^8, 3^2, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2^4, 3^5, 18^2\})$	20155392
18	$\mathcal{O}(2; \{3^8, 18^2\})$	161243136
18	$\mathcal{O}(2; \{2^9, 6, 18^2\})$	1259712
18	$\mathcal{O}(2; \{2^5, 3^3, 6, 18^2\})$	10077696
18	$\mathcal{O}(2; \{2, 3^6, 6, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^6, 3, 6^2, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3^4, 6^2, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^3, 3^2, 6^3, 18^2\})$	20155392
18	$\mathcal{O}(2; \{2^4, 6^4, 18^2\})$	10077696
18	$\mathcal{O}(2; \{3^3, 6^4, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2, 3, 6^5, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3, 9^3, 18^2\})$	170061120
18	$\mathcal{O}(2; \{3^4, 9^3, 18^2\})$	1360488960
18	$\mathcal{O}(2; \{2, 3^2, 6, 9^3, 18^2\})$	680244480
18	$\mathcal{O}(2; \{2^2, 6^2, 9^3, 18^2\})$	340122240
18	$\mathcal{O}(2; \{9^6, 18^2\})$	19744096032
18	$\mathcal{O}(2; \{2^7, 9, 18^3\})$	17006112
18	$\mathcal{O}(2; \{2^3, 3^3, 9, 18^3\})$	136048896
18	$\mathcal{O}(2; \{2^4, 3, 6, 9, 18^3\})$	68024448
18	$\mathcal{O}(2; \{3^4, 6, 9, 18^3\})$	544195584

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2, 3^2, 6^2, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2^2, 6^3, 9, 18^3\})$	136048896
18	$\mathcal{O}(2; \{6, 9^4, 18^3\})$	6428310336
18	$\mathcal{O}(2; \{2^2, 3, 9^2, 18^4\})$	1122403392
18	$\mathcal{O}(2; \{6^2, 9^2, 18^4\})$	2244806784
18	$\mathcal{O}(2; \{2^5, 18^5\})$	85030560
18	$\mathcal{O}(2; \{2, 3^3, 18^5\})$	680244480
18	$\mathcal{O}(2; \{2^2, 3, 6, 18^5\})$	340122240
18	$\mathcal{O}(2; \{6^3, 18^5\})$	680244480
18	$\mathcal{O}(2; \{3, 9, 18^6\})$	6428310336
18	$\mathcal{O}(1; \{2^{10}, 3, 9^4\})$	104976
18	$\mathcal{O}(1; \{2^6, 3^4, 9^4\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^7, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^7, 3^2, 6, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^5, 6, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^8, 6^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 9^4\})$	1679616
18	$\mathcal{O}(1; \{3^6, 6^2, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2^5, 3, 6^3, 9^4\})$	839808
18	$\mathcal{O}(1; \{2, 3^4, 6^3, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^3, 6^5, 9^4\})$	1679616
18	$\mathcal{O}(1; \{3, 6^6, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^6, 9^7\})$	9920232
18	$\mathcal{O}(1; \{2^2, 3^3, 9^7\})$	79361856
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^7\})$	39680928
18	$\mathcal{O}(1; \{3^2, 6^2, 9^7\})$	158723712
18	$\mathcal{O}(1; \{2, 6^3, 9^7\})$	79361856
18	$\mathcal{O}(1; \{2^{13}, 9^2, 18\})$	5832
18	$\mathcal{O}(1; \{2^9, 3^3, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^6, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{2, 3^9, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^{10}, 3, 6, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^4, 6, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^7, 6, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^7, 3^2, 6^2, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^5, 6^2, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^8, 6^3, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^3, 6^3, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{3^6, 6^3, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^5, 3, 6^4, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2, 3^4, 6^4, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^2, 3^2, 6^5, 9^2, 18\})$	746496

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 6^6, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{3, 6^7, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^5, 3^2, 9^5, 18\})$	6928416
18	$\mathcal{O}(1; \{2, 3^5, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2^6, 6, 9^5, 18\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^3, 6, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3, 6^2, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{3^2, 6^3, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2, 6^4, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{2, 3, 9^8, 18\})$	722759760
18	$\mathcal{O}(1; \{2^{12}, 3^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^8, 3^5, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^8, 18^2\})$	497664
18	$\mathcal{O}(1; \{3^{11}, 18^2\})$	3981312
18	$\mathcal{O}(1; \{2^{13}, 6, 18^2\})$	3888
18	$\mathcal{O}(1; \{2^9, 3^3, 6, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^6, 6, 18^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^9, 6, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^{10}, 3, 6^2, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^6, 3^4, 6^2, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^7, 6^2, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^7, 3^2, 6^3, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^5, 6^3, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^8, 6^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^4, 3^3, 6^4, 18^2\})$	248832
18	$\mathcal{O}(1; \{3^6, 6^4, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^5, 3, 6^5, 18^2\})$	124416
18	$\mathcal{O}(1; \{2, 3^4, 6^5, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^2, 3^2, 6^6, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^3, 6^7, 18^2\})$	248832
18	$\mathcal{O}(1; \{3, 6^8, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^4, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{3^7, 9^3, 18^2\})$	33592320
18	$\mathcal{O}(1; \{2^5, 3^2, 6, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{2, 3^5, 6, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^6, 6^2, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3, 6^3, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{3^2, 6^4, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2, 6^5, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^4, 9^6, 18^2\})$	60938568
18	$\mathcal{O}(1; \{3^3, 9^6, 18^2\})$	487508544

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2, 3, 6, 9^6, 18^2\})$	243754272
18	$\mathcal{O}(1; \{2^{11}, 9, 18^3\})$	52488
18	$\mathcal{O}(1; \{2^7, 3^3, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^6, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^8, 3, 6, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^4, 6, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{3^7, 6, 9, 18^3\})$	13436928
18	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2, 3^5, 6^2, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^6, 6^3, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3, 6^4, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{3^2, 6^5, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2, 6^6, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^3, 3^2, 9^4, 18^3\})$	39680928
18	$\mathcal{O}(1; \{2^4, 6, 9^4, 18^3\})$	19840464
18	$\mathcal{O}(1; \{3^3, 6, 9^4, 18^3\})$	158723712
18	$\mathcal{O}(1; \{2, 3, 6^2, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{2^6, 3, 9^2, 18^4\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^4, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^2, 18^4\})$	13856832
18	$\mathcal{O}(1; \{2^4, 6^2, 9^2, 18^4\})$	6928416
18	$\mathcal{O}(1; \{3^3, 6^2, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^2, 9^5, 18^4\})$	361379880
18	$\mathcal{O}(1; \{2^9, 18^5\})$	262440
18	$\mathcal{O}(1; \{2^5, 3^3, 18^5\})$	2099520
18	$\mathcal{O}(1; \{2, 3^6, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^6, 3, 6, 18^5\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^4, 6, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 18^5\})$	4199040
18	$\mathcal{O}(1; \{2^4, 6^3, 18^5\})$	2099520
18	$\mathcal{O}(1; \{3^3, 6^3, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2, 3, 6^4, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2, 3^2, 9^3, 18^5\})$	243754272
18	$\mathcal{O}(1; \{2^2, 6, 9^3, 18^5\})$	121877136
18	$\mathcal{O}(1; \{2^4, 3, 9, 18^6\})$	19840464
18	$\mathcal{O}(1; \{3^4, 9, 18^6\})$	158723712
18	$\mathcal{O}(1; \{2, 3^2, 6, 9, 18^6\})$	79361856
18	$\mathcal{O}(1; \{2^2, 6^2, 9, 18^6\})$	39680928
18	$\mathcal{O}(1; \{9^4, 18^6\})$	2181033864
18	$\mathcal{O}(1; \{6, 9^2, 18^7\})$	722759760
18	$\mathcal{O}(1; \{2^2, 3, 18^8\})$	121877136

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{6^2, 18^8\})$	243754272
18	$\mathcal{O}(0; \{2^{14}, 3, 9^4\})$	324
18	$\mathcal{O}(0; \{2^{10}, 3^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^7, 9^4\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^{10}, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^5, 6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^8, 6, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^{12}, 6^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 9^4\})$	41472
18	$\mathcal{O}(0; \{3^9, 6^2, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^9, 3, 6^3, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 9^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^7, 6^3, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^7, 6^5, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^4, 3, 6^6, 9^4\})$	20736
18	$\mathcal{O}(0; \{3^4, 6^6, 9^4\})$	165888
18	$\mathcal{O}(0; \{2, 3^2, 6^7, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^2, 6^8, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^{10}, 9^7\})$	30618
18	$\mathcal{O}(0; \{2^6, 3^3, 9^7\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^6, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^7\})$	979776
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^7\})$	489888
18	$\mathcal{O}(0; \{3^5, 6^2, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2^5, 6^3, 9^7\})$	244944
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^7\})$	979776
18	$\mathcal{O}(0; \{6^6, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 9^{10}\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 9^{10}\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 9^{10}\})$	53852688
18	$\mathcal{O}(0; \{2^{17}, 9^2, 18\})$	18
18	$\mathcal{O}(0; \{2^{13}, 3^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^9, 3^6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^9, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2, 3^{12}, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^{14}, 3, 6, 9^2, 18\})$	72

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{10}, 3^4, 6, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^6, 3^7, 6, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^{10}, 6, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6^2, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^7, 3^5, 6^2, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^8, 6^2, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 6^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^8, 3^3, 6^3, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^6, 6^3, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{3^9, 6^3, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^9, 3, 6^4, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^5, 3^4, 6^4, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2, 3^7, 6^4, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^6, 3^2, 6^5, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^5, 6^5, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^7, 6^6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^3, 6^6, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2^4, 3, 6^7, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{3^4, 6^7, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2, 3^2, 6^8, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^2, 6^9, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2^9, 3^2, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^5, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{2, 3^8, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^{10}, 6, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^3, 6, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^6, 6, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^7, 3, 6^2, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{3^5, 6^3, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^5, 6^4, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2, 3^3, 6^4, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^2, 3, 6^5, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{6^7, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^5, 3, 9^8, 18\})$	2230740
18	$\mathcal{O}(0; \{2, 3^4, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^8, 18\})$	8922960
18	$\mathcal{O}(0; \{2^3, 6^2, 9^8, 18\})$	4461480
18	$\mathcal{O}(0; \{3, 6^3, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2, 9^{11}, 18\})$	241982802
18	$\mathcal{O}(0; \{2^{16}, 3^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^{12}, 3^5, 18^2\})$	192

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3^8, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^{11}, 18^2\})$	12288
18	$\mathcal{O}(0; \{3^{14}, 18^2\})$	98304
18	$\mathcal{O}(0; \{2^{17}, 6, 18^2\})$	12
18	$\mathcal{O}(0; \{2^{13}, 3^3, 6, 18^2\})$	96
18	$\mathcal{O}(0; \{2^9, 3^6, 6, 18^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^9, 6, 18^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^{12}, 6, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{14}, 3, 6^2, 18^2\})$	48
18	$\mathcal{O}(0; \{2^{10}, 3^4, 6^2, 18^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^7, 6^2, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^{10}, 6^2, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6^3, 18^2\})$	192
18	$\mathcal{O}(0; \{2^7, 3^5, 6^3, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^8, 6^3, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^{12}, 6^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2^8, 3^3, 6^4, 18^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^6, 6^4, 18^2\})$	6144
18	$\mathcal{O}(0; \{3^9, 6^4, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^9, 3, 6^5, 18^2\})$	384
18	$\mathcal{O}(0; \{2^5, 3^4, 6^5, 18^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^7, 6^5, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^6, 3^2, 6^6, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^5, 6^6, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^7, 6^7, 18^2\})$	768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^7, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^4, 3, 6^8, 18^2\})$	3072
18	$\mathcal{O}(0; \{3^4, 6^8, 18^2\})$	24576
18	$\mathcal{O}(0; \{2, 3^2, 6^9, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^2, 6^{10}, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^{12}, 3, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^7, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{3^{10}, 9^3, 18^2\})$	829440
18	$\mathcal{O}(0; \{2^9, 3^2, 6, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^5, 6, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2, 3^8, 6, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 6^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^7, 3, 6^3, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 9^3, 18^2\})$	51840

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^5, 6^4, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^5, 6^5, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2, 3^3, 6^5, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^2, 3, 6^6, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{6^8, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^8, 9^6, 18^2\})$	188082
18	$\mathcal{O}(0; \{2^4, 3^3, 9^6, 18^2\})$	1504656
18	$\mathcal{O}(0; \{3^6, 9^6, 18^2\})$	12037248
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^6, 18^2\})$	752328
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{2^3, 6^3, 9^6, 18^2\})$	1504656
18	$\mathcal{O}(0; \{3, 6^4, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{3^2, 9^9, 18^2\})$	161085672
18	$\mathcal{O}(0; \{2, 6, 9^9, 18^2\})$	80542836
18	$\mathcal{O}(0; \{2^{15}, 9, 18^3\})$	162
18	$\mathcal{O}(0; \{2^{11}, 3^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^9, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^{12}, 3, 6, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^8, 3^4, 6, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^7, 6, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{3^{10}, 6, 9, 18^3\})$	331776
18	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2, 3^8, 6^2, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 6^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^7, 3, 6^4, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{3^5, 6^5, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^5, 6^6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2, 3^3, 6^6, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^2, 3, 6^7, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{6^9, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^7, 3^2, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^5, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2^8, 6, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{3^6, 6, 9^4, 18^3\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9^4, 18^3\})$	244944

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2^3, 6^4, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{3, 6^5, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 9^7, 18^3\})$	13463172
18	$\mathcal{O}(0; \{3^2, 6, 9^7, 18^3\})$	53852688
18	$\mathcal{O}(0; \{2, 6^2, 9^7, 18^3\})$	26926344
18	$\mathcal{O}(0; \{2^{10}, 3, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^4, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^7, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^8, 6^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{3^6, 6^2, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^3, 6^5, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{3, 6^6, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^6, 9^5, 18^4\})$	1115370
18	$\mathcal{O}(0; \{2^2, 3^3, 9^5, 18^4\})$	8922960
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^5, 18^4\})$	4461480
18	$\mathcal{O}(0; \{3^2, 6^2, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{2, 6^3, 9^5, 18^4\})$	8922960
18	$\mathcal{O}(0; \{2^{13}, 18^5\})$	810
18	$\mathcal{O}(0; \{2^9, 3^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^6, 18^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^9, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 3, 6, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^4, 6, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^7, 6, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^8, 6^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 18^5\})$	51840
18	$\mathcal{O}(0; \{3^6, 6^3, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^5, 3, 6^4, 18^5\})$	25920
18	$\mathcal{O}(0; \{2, 3^4, 6^4, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^3, 6^6, 18^5\})$	51840
18	$\mathcal{O}(0; \{3, 6^7, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^5, 3^2, 9^3, 18^5\})$	752328

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^5, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2^6, 6, 9^3, 18^5\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{3^2, 6^3, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2, 6^4, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{2, 3, 9^6, 18^5\})$	80542836
18	$\mathcal{O}(0; \{2^8, 3, 9, 18^6\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^4, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{3^7, 9, 18^6\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{2, 3^5, 6, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^6, 6^2, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{3^2, 6^4, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2, 6^5, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^4, 9^4, 18^6\})$	6731586
18	$\mathcal{O}(0; \{3^3, 9^4, 18^6\})$	53852688
18	$\mathcal{O}(0; \{2, 3, 6, 9^4, 18^6\})$	26926344
18	$\mathcal{O}(0; \{2^3, 3^2, 9^2, 18^7\})$	4461480
18	$\mathcal{O}(0; \{2^4, 6, 9^2, 18^7\})$	2230740
18	$\mathcal{O}(0; \{3^3, 6, 9^2, 18^7\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{2^6, 3, 18^8\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^4, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 18^8\})$	1504656
18	$\mathcal{O}(0; \{2^4, 6^2, 18^8\})$	752328
18	$\mathcal{O}(0; \{3^3, 6^2, 18^8\})$	6018624
18	$\mathcal{O}(0; \{2, 3, 6^3, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^2, 9^3, 18^8\})$	40271418
18	$\mathcal{O}(0; \{2, 3^2, 9, 18^9\})$	26926344
18	$\mathcal{O}(0; \{2^2, 6, 9, 18^9\})$	13463172
18	$\mathcal{O}(0; \{9^2, 18^{10}\})$	241982802
18	$\mathcal{O}(0; \{6, 18^{11}\})$	80542836
19	$\mathcal{O}(3; \{19^5\})$	4678712865450
20	$\mathcal{O}(3; \{2^2, 4^2, 10^2\})$	512000000
20	$\mathcal{O}(3; \{2^2, 4, 5^2, 20\})$	1536000000
20	$\mathcal{O}(3; \{4, 5, 10^2, 20\})$	6656000000
20	$\mathcal{O}(3; \{5^3, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{2^3, 10, 20^2\})$	1536000000
20	$\mathcal{O}(3; \{4^2, 10, 20^2\})$	6144000000
20	$\mathcal{O}(3; \{2, 20^4\})$	26624000000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{4^2, 5^6\})$	262400000
20	$\mathcal{O}(2; \{2^3, 4^2, 5^3, 10\})$	16640000
20	$\mathcal{O}(2; \{4^4, 5^3, 10\})$	66560000
20	$\mathcal{O}(2; \{2^6, 4^2, 10^2\})$	1280000
20	$\mathcal{O}(2; \{2^3, 4^4, 10^2\})$	5120000
20	$\mathcal{O}(2; \{4^6, 10^2\})$	20480000
20	$\mathcal{O}(2; \{2, 4^2, 5^2, 10^3\})$	65280000
20	$\mathcal{O}(2; \{2^6, 4, 5^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2^3, 4^3, 5^2, 20\})$	15360000
20	$\mathcal{O}(2; \{4^5, 5^2, 20\})$	61440000
20	$\mathcal{O}(2; \{2, 4, 5^4, 10, 20\})$	262400000
20	$\mathcal{O}(2; \{2^4, 4, 5, 10^2, 20\})$	16640000
20	$\mathcal{O}(2; \{2, 4^3, 5, 10^2, 20\})$	66560000
20	$\mathcal{O}(2; \{2^2, 4, 10^4, 20\})$	65280000
20	$\mathcal{O}(2; \{2^4, 5^3, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2, 4^2, 5^3, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^7, 10, 20^2\})$	3840000
20	$\mathcal{O}(2; \{2^4, 4^2, 10, 20^2\})$	15360000
20	$\mathcal{O}(2; \{2, 4^4, 10, 20^2\})$	61440000
20	$\mathcal{O}(2; \{2^2, 5^2, 10^2, 20^2\})$	262400000
20	$\mathcal{O}(2; \{5, 10^4, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^2, 4, 5, 10, 20^3\})$	261120000
20	$\mathcal{O}(2; \{4, 10^3, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^5, 20^4\})$	66560000
20	$\mathcal{O}(2; \{2^2, 4^2, 20^4\})$	266240000
20	$\mathcal{O}(2; \{5^2, 10, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{4, 5, 20^5\})$	4198400000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^6\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5^6\})$	2624000
20	$\mathcal{O}(1; \{2^7, 4^2, 5^3, 10\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^4, 5^3, 10\})$	166400
20	$\mathcal{O}(1; \{2, 4^6, 5^3, 10\})$	665600
20	$\mathcal{O}(1; \{2^{10}, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{2^7, 4^4, 10^2\})$	12800
20	$\mathcal{O}(1; \{2^4, 4^6, 10^2\})$	51200
20	$\mathcal{O}(1; \{2, 4^8, 10^2\})$	204800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^5, 10^2\})$	2620800
20	$\mathcal{O}(1; \{2^5, 4^2, 5^2, 10^3\})$	163200
20	$\mathcal{O}(1; \{2^2, 4^4, 5^2, 10^3\})$	652800
20	$\mathcal{O}(1; \{4^2, 5^4, 10^4\})$	10486400
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 10^5\})$	656000
20	$\mathcal{O}(1; \{4^4, 5, 10^5\})$	2624000
20	$\mathcal{O}(1; \{2, 4^2, 10^7\})$	2620800

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^{10}, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^7, 4^3, 5^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^4, 4^5, 5^2, 20\})$	153600
20	$\mathcal{O}(1; \{2, 4^7, 5^2, 20\})$	614400
20	$\mathcal{O}(1; \{2^2, 4, 5^7, 20\})$	10486400
20	$\mathcal{O}(1; \{2^5, 4, 5^4, 10, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^4, 10, 20\})$	2624000
20	$\mathcal{O}(1; \{2^8, 4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^3, 5, 10^2, 20\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^5, 5, 10^2, 20\})$	665600
20	$\mathcal{O}(1; \{4, 5^6, 10^2, 20\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4, 5^3, 10^3, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5^3, 10^3, 20\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4, 10^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^3, 10^4, 20\})$	652800
20	$\mathcal{O}(1; \{4^5, 10^4, 20\})$	2611200
20	$\mathcal{O}(1; \{2, 4, 5^2, 10^5, 20\})$	10486400
20	$\mathcal{O}(1; \{2^8, 5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^5, 4^2, 5^3, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^2, 4^4, 5^3, 20^2\})$	2611200
20	$\mathcal{O}(1; \{5^8, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^{11}, 10, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^8, 4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^5, 4^4, 10, 20^2\})$	153600
20	$\mathcal{O}(1; \{2^2, 4^6, 10, 20^2\})$	614400
20	$\mathcal{O}(1; \{2^3, 5^5, 10, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5^5, 10, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^6, 5^2, 10^2, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^2, 5^2, 10^2, 20^2\})$	2624000
20	$\mathcal{O}(1; \{4^4, 5^2, 10^2, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2, 5^4, 10^3, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 5, 10^4, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2, 4^2, 5, 10^4, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^2, 10^6, 20^2\})$	10486400
20	$\mathcal{O}(1; \{2^3, 4, 5^4, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4^3, 5^4, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2^6, 4, 5, 10, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^3, 4^3, 5, 10, 20^3\})$	2611200
20	$\mathcal{O}(1; \{4^5, 5, 10, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2, 4, 5^3, 10^2, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^4, 4, 10^3, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2, 4^3, 10^3, 20^3\})$	10496000
20	$\mathcal{O}(1; \{2^9, 20^4\})$	166400

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^6, 4^2, 20^4\})$	665600
20	$\mathcal{O}(1; \{2^3, 4^4, 20^4\})$	2662400
20	$\mathcal{O}(1; \{4^6, 20^4\})$	10649600
20	$\mathcal{O}(1; \{2, 5^5, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^4, 5^2, 10, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 10, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^2, 5, 10^3, 20^4\})$	41945600
20	$\mathcal{O}(1; \{10^5, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^4, 4, 5, 20^5\})$	10496000
20	$\mathcal{O}(1; \{2, 4^3, 5, 20^5\})$	41984000
20	$\mathcal{O}(1; \{2^2, 4, 10^2, 20^5\})$	41932800
20	$\mathcal{O}(1; \{2^2, 5^2, 20^6\})$	167782400
20	$\mathcal{O}(1; \{5, 10^2, 20^6\})$	671078400
20	$\mathcal{O}(1; \{4, 10, 20^7\})$	671129600
20	$\mathcal{O}(0; \{2^8, 4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5^6\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 5^6\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^{11}\})$	1677720
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2^8, 4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{2^5, 4^6, 5^3, 10\})$	1664
20	$\mathcal{O}(0; \{2^2, 4^8, 5^3, 10\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^2, 5^8, 10\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^8, 10\})$	419424
20	$\mathcal{O}(0; \{2^{14}, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^{11}, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2^8, 4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{2^5, 4^8, 10^2\})$	512
20	$\mathcal{O}(0; \{2^2, 4^{10}, 10^2\})$	2048
20	$\mathcal{O}(0; \{2^6, 4^2, 5^5, 10^2\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 5^5, 10^2\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^5, 10^2\})$	104832
20	$\mathcal{O}(0; \{2^9, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 5^2, 10^3\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 5^2, 10^3\})$	6528
20	$\mathcal{O}(0; \{4^8, 5^2, 10^3\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^7, 10^3\})$	419432
20	$\mathcal{O}(0; \{2^4, 4^2, 5^4, 10^4\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^4, 10^4\})$	104864
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 10^5\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 10^5\})$	6560
20	$\mathcal{O}(0; \{2, 4^6, 5, 10^5\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10^6\})$	104856

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^5, 4^2, 10^7\})$	6552
20	$\mathcal{O}(0; \{2^2, 4^4, 10^7\})$	26208
20	$\mathcal{O}(0; \{4^2, 5^2, 10^8\})$	419432
20	$\mathcal{O}(0; \{2^{14}, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{2^{11}, 4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{2^8, 4^5, 5^2, 20\})$	384
20	$\mathcal{O}(0; \{2^5, 4^7, 5^2, 20\})$	1536
20	$\mathcal{O}(0; \{2^2, 4^9, 5^2, 20\})$	6144
20	$\mathcal{O}(0; \{2^6, 4, 5^7, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^7, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^7, 20\})$	419456
20	$\mathcal{O}(0; \{2^9, 4, 5^4, 10, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 5^4, 10, 20\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^5, 5^4, 10, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 5^4, 10, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^9, 10, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2^9, 4^3, 5, 10^2, 20\})$	416
20	$\mathcal{O}(0; \{2^6, 4^5, 5, 10^2, 20\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^7, 5, 10^2, 20\})$	6656
20	$\mathcal{O}(0; \{4^9, 5, 10^2, 20\})$	26624
20	$\mathcal{O}(0; \{2^4, 4, 5^6, 10^2, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^6, 10^2, 20\})$	419424
20	$\mathcal{O}(0; \{2^7, 4, 5^3, 10^3, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5^3, 10^3, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5^3, 10^3, 20\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4, 10^4, 20\})$	408
20	$\mathcal{O}(0; \{2^7, 4^3, 10^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^5, 10^4, 20\})$	6528
20	$\mathcal{O}(0; \{2, 4^7, 10^4, 20\})$	26112
20	$\mathcal{O}(0; \{2^2, 4, 5^5, 10^4, 20\})$	419432
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 10^5, 20\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 10^5, 20\})$	104864
20	$\mathcal{O}(0; \{4, 5^4, 10^6, 20\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^7, 20\})$	104856
20	$\mathcal{O}(0; \{4^3, 5, 10^7, 20\})$	419424
20	$\mathcal{O}(0; \{2, 4, 10^9, 20\})$	419432
20	$\mathcal{O}(0; \{2^{12}, 5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^9, 4^2, 5^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^4, 5^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^3, 4^6, 5^3, 20^2\})$	26112
20	$\mathcal{O}(0; \{4^8, 5^3, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^4, 5^8, 20^2\})$	419432

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^2, 5^8, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^{15}, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{2^{12}, 4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2^9, 4^4, 10, 20^2\})$	384
20	$\mathcal{O}(0; \{2^6, 4^6, 10, 20^2\})$	1536
20	$\mathcal{O}(0; \{2^3, 4^8, 10, 20^2\})$	6144
20	$\mathcal{O}(0; \{4^{10}, 10, 20^2\})$	24576
20	$\mathcal{O}(0; \{2^7, 5^5, 10, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 5^5, 10, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5^5, 10, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^{10}, 5^2, 10^2, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^2, 5^2, 10^2, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^4, 5^2, 10^2, 20^2\})$	26240
20	$\mathcal{O}(0; \{2, 4^6, 5^2, 10^2, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^2, 5^7, 10^2, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^5, 5^4, 10^3, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 10^3, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^8, 5, 10^4, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10^4, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10^4, 20^2\})$	104832
20	$\mathcal{O}(0; \{5^6, 10^4, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^3, 5^3, 10^5, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5^3, 10^5, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^6, 10^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^2, 10^6, 20^2\})$	104864
20	$\mathcal{O}(0; \{4^4, 10^6, 20^2\})$	419456
20	$\mathcal{O}(0; \{2, 5^2, 10^7, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^7, 4, 5^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^3, 5^4, 20^3\})$	104832
20	$\mathcal{O}(0; \{2, 4^5, 5^4, 20^3\})$	419328
20	$\mathcal{O}(0; \{2^{10}, 4, 5, 10, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^3, 5, 10, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^4, 4^5, 5, 10, 20^3\})$	26112
20	$\mathcal{O}(0; \{2, 4^7, 5, 10, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^2, 4, 5^6, 10, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^5, 4, 5^3, 10^2, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 5^3, 10^2, 20^3\})$	419456
20	$\mathcal{O}(0; \{2^8, 4, 10^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^3, 10^3, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^5, 10^3, 20^3\})$	104960
20	$\mathcal{O}(0; \{4, 5^5, 10^3, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10^4, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 5^2, 10^4, 20^3\})$	1677696

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4, 5, 10^6, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^{13}, 20^4\})$	416
20	$\mathcal{O}(0; \{2^{10}, 4^2, 20^4\})$	1664
20	$\mathcal{O}(0; \{2^7, 4^4, 20^4\})$	6656
20	$\mathcal{O}(0; \{2^4, 4^6, 20^4\})$	26624
20	$\mathcal{O}(0; \{2, 4^8, 20^4\})$	106496
20	$\mathcal{O}(0; \{2^5, 5^5, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 5^5, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^8, 5^2, 10, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 10, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 10, 20^4\})$	419328
20	$\mathcal{O}(0; \{5^7, 10, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^3, 5^4, 10^2, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 5^4, 10^2, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^6, 5, 10^3, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^3, 20^4\})$	419456
20	$\mathcal{O}(0; \{4^4, 5, 10^3, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2, 5^3, 10^4, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^4, 10^5, 20^4\})$	419424
20	$\mathcal{O}(0; \{2, 4^2, 10^5, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^8, 4, 5, 20^5\})$	26240
20	$\mathcal{O}(0; \{2^5, 4^3, 5, 20^5\})$	104960
20	$\mathcal{O}(0; \{2^2, 4^5, 5, 20^5\})$	419840
20	$\mathcal{O}(0; \{4, 5^6, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 10, 20^5\})$	1677696
20	$\mathcal{O}(0; \{4^3, 5^3, 10, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^6, 4, 10^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^3, 10^2, 20^5\})$	419328
20	$\mathcal{O}(0; \{4^5, 10^2, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^3, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^6, 5^2, 20^6\})$	419456
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 20^6\})$	1677824
20	$\mathcal{O}(0; \{4^4, 5^2, 20^6\})$	6711296
20	$\mathcal{O}(0; \{2, 5^4, 10, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^4, 5, 10^2, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^2, 20^6\})$	6710784
20	$\mathcal{O}(0; \{2^2, 10^4, 20^6\})$	6710912
20	$\mathcal{O}(0; \{2, 4, 5^3, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2^4, 4, 10, 20^7\})$	1677824
20	$\mathcal{O}(0; \{2, 4^3, 10, 20^7\})$	6711296
20	$\mathcal{O}(0; \{2^2, 5, 10, 20^8\})$	26843648
20	$\mathcal{O}(0; \{10^3, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2^2, 4, 20^9\})$	26843136

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{5, 20^{10}\})$	429496320
21	$\mathcal{O}(4; \{21^2\})$	453874312332
21	$\mathcal{O}(3; \{3^2, 7^3\})$	5145967260
21	$\mathcal{O}(3; \{3^3, 21^2\})$	5145967260
21	$\mathcal{O}(2; \{3^5, 7^3\})$	58344300
21	$\mathcal{O}(2; \{3, 7^5, 21\})$	2592820692
21	$\mathcal{O}(2; \{3^6, 21^2\})$	100352196
21	$\mathcal{O}(2; \{3^2, 7^2, 21^3\})$	2158739100
21	$\mathcal{O}(1; \{3^8, 7^3\})$	1137780
21	$\mathcal{O}(1; \{3^4, 7^5, 21\})$	29397060
21	$\mathcal{O}(1; \{3^9, 21^2\})$	1804572
21	$\mathcal{O}(1; \{7^7, 21^2\})$	1269788940
21	$\mathcal{O}(1; \{3^5, 7^2, 21^3\})$	42097860
21	$\mathcal{O}(1; \{3, 7^4, 21^4\})$	1058161860
21	$\mathcal{O}(1; \{3^2, 7, 21^6\})$	1516660740
21	$\mathcal{O}(0; \{3^{11}, 7^3\})$	20460
21	$\mathcal{O}(0; \{3^2, 7^{10}\})$	17276052
21	$\mathcal{O}(0; \{3^7, 7^5, 21\})$	573276
21	$\mathcal{O}(0; \{3^{12}, 21^2\})$	32772
21	$\mathcal{O}(0; \{3^3, 7^7, 21^2\})$	14396700
21	$\mathcal{O}(0; \{3^8, 7^2, 21^3\})$	757020
21	$\mathcal{O}(0; \{3^4, 7^4, 21^4\})$	20635356
21	$\mathcal{O}(0; \{7^6, 21^5\})$	518281500
21	$\mathcal{O}(0; \{3^5, 7, 21^6\})$	27273180
21	$\mathcal{O}(0; \{3, 7^3, 21^7\})$	742870236
21	$\mathcal{O}(0; \{3^2, 21^9\})$	981854940
22	$\mathcal{O}(2; \{2^2, 11^5\})$	2129387040
22	$\mathcal{O}(2; \{11^4, 22^2\})$	21296212960
22	$\mathcal{O}(1; \{2^6, 11^5\})$	4399560
22	$\mathcal{O}(1; \{2^4, 11^4, 22^2\})$	44000440
22	$\mathcal{O}(1; \{2^2, 11^3, 22^4\})$	439999560
22	$\mathcal{O}(1; \{11^2, 22^6\})$	4400000440
22	$\mathcal{O}(0; \{2^{10}, 11^5\})$	9090
22	$\mathcal{O}(0; \{2^8, 11^4, 22^2\})$	90910
22	$\mathcal{O}(0; \{2^6, 11^3, 22^4\})$	909090
22	$\mathcal{O}(0; \{2^4, 11^2, 22^6\})$	9090910
22	$\mathcal{O}(0; \{2^2, 11, 22^8\})$	90909090
22	$\mathcal{O}(0; \{22^{10}\})$	909090910
24	$\mathcal{O}(3; \{2^2, 24^2\})$	1528823808
24	$\mathcal{O}(2; \{2, 3^4, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2^2, 3^2, 6, 8^2\})$	2654208
24	$\mathcal{O}(2; \{2^3, 6^2, 8^2\})$	2654208
24	$\mathcal{O}(2; \{4^2, 6^2, 8^2\})$	10616832

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{3, 6^3, 8^2\})$	7962624
24	$\mathcal{O}(2; \{3, 4, 6, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{3^2, 8^2, 12^2\})$	31850496
24	$\mathcal{O}(2; \{2, 6, 8^2, 12^2\})$	10616832
24	$\mathcal{O}(2; \{2^2, 3^2, 4, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{2^3, 4, 6, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{4^3, 6, 8, 24\})$	21233664
24	$\mathcal{O}(2; \{3, 4, 6^2, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{3^2, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2, 6, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2^3, 3, 8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{3, 4^2, 8, 12, 24\})$	21233664
24	$\mathcal{O}(2; \{3^2, 6, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{2, 6^2, 8, 12, 24\})$	15925248
24	$\mathcal{O}(2; \{2, 4, 8, 12^2, 24\})$	21233664
24	$\mathcal{O}(2; \{2^6, 24^2\})$	2654208
24	$\mathcal{O}(2; \{2^2, 3^3, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2^3, 4^2, 24^2\})$	10616832
24	$\mathcal{O}(2; \{4^4, 24^2\})$	42467328
24	$\mathcal{O}(2; \{2^3, 3, 6, 24^2\})$	7962624
24	$\mathcal{O}(2; \{3, 4^2, 6, 24^2\})$	31850496
24	$\mathcal{O}(2; \{3^2, 6^2, 24^2\})$	29196288
24	$\mathcal{O}(2; \{2, 6^3, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2, 4, 8^2, 24^2\})$	84934656
24	$\mathcal{O}(2; \{3^2, 4, 12, 24^2\})$	53084160
24	$\mathcal{O}(2; \{2, 4, 6, 12, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2, 3, 12^2, 24^2\})$	53084160
24	$\mathcal{O}(2; \{2, 3, 8, 24^3\})$	127401984
24	$\mathcal{O}(1; \{2^5, 3^4, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3^7, 8^2\})$	96768
24	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 8^2\})$	55296
24	$\mathcal{O}(1; \{2^6, 3^2, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 3^5, 6, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^2, 4^4, 6, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^7, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 8^2\})$	23040
24	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 8^2\})$	92160
24	$\mathcal{O}(1; \{2, 4^4, 6^2, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^4, 3, 6^3, 8^2\})$	13824
24	$\mathcal{O}(1; \{3^4, 6^3, 8^2\})$	96768
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 8^2\})$	55296

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^2, 6^4, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^2, 6^5, 8^2\})$	23040
24	$\mathcal{O}(1; \{3^4, 4, 8^4\})$	442368
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8^4\})$	147456
24	$\mathcal{O}(1; \{6^2, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{3^3, 4^3, 8^2, 12\})$	221184
24	$\mathcal{O}(1; \{2^4, 3, 4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{3^4, 4, 6, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2, 3, 4^3, 6, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^2, 4, 6^3, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{2, 3^3, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^2, 3, 6, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{6^3, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^4, 3^2, 8^2, 12^2\})$	55296
24	$\mathcal{O}(1; \{3^5, 8^2, 12^2\})$	387072
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8^2, 12^2\})$	221184
24	$\mathcal{O}(1; \{2^5, 6, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 6, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 8^2, 12^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{6^4, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{4, 6, 8^4, 12^2\})$	589824
24	$\mathcal{O}(1; \{2^2, 3, 4, 8^2, 12^3\})$	221184
24	$\mathcal{O}(1; \{4, 6^2, 8^2, 12^3\})$	368640
24	$\mathcal{O}(1; \{3, 8^4, 12^3\})$	1769472
24	$\mathcal{O}(1; \{2^3, 8^2, 12^4\})$	221184
24	$\mathcal{O}(1; \{4^2, 8^2, 12^4\})$	884736
24	$\mathcal{O}(1; \{3, 6, 8^2, 12^4\})$	811008
24	$\mathcal{O}(1; \{2^6, 3^2, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^5, 4, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3^2, 4^5, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^7, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 6, 8, 24\})$	46080
24	$\mathcal{O}(1; \{2^4, 4^3, 6, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3^3, 4^3, 6, 8, 24\})$	184320
24	$\mathcal{O}(1; \{2, 4^5, 6, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^4, 3, 4, 6^2, 8, 24\})$	27648
24	$\mathcal{O}(1; \{3^4, 4, 6^2, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 8, 24\})$	110592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^2, 4, 6^4, 8, 24\})$	46080
24	$\mathcal{O}(1; \{2^4, 3^2, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{3^5, 8^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2^5, 6, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2, 3^3, 6, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{6^4, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{4, 6, 8^5, 24\})$	2359296
24	$\mathcal{O}(1; \{2^7, 3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^4, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{3^4, 4^2, 8, 12, 24\})$	405504
24	$\mathcal{O}(1; \{2, 3, 4^4, 8, 12, 24\})$	147456
24	$\mathcal{O}(1; \{2^4, 3^2, 6, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{3^5, 6, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2^5, 6^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3^3, 6^2, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 8, 12, 24\})$	110592
24	$\mathcal{O}(1; \{2^2, 3, 6^3, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{6^5, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 3, 4, 8^3, 12, 24\})$	294912
24	$\mathcal{O}(1; \{4, 6^2, 8^3, 12, 24\})$	884736
24	$\mathcal{O}(1; \{3, 8^5, 12, 24\})$	2359296
24	$\mathcal{O}(1; \{2^5, 4, 8, 12^2, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 4, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2^2, 4^3, 8, 12^2, 24\})$	147456
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8, 12^2, 24\})$	184320
24	$\mathcal{O}(1; \{4, 6^3, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2^3, 8^3, 12^2, 24\})$	294912
24	$\mathcal{O}(1; \{4^2, 8^3, 12^2, 24\})$	1179648
24	$\mathcal{O}(1; \{3, 6, 8^3, 12^2, 24\})$	1474560
24	$\mathcal{O}(1; \{2^2, 3^2, 8, 12^3, 24\})$	405504
24	$\mathcal{O}(1; \{2^3, 6, 8, 12^3, 24\})$	184320
24	$\mathcal{O}(1; \{4^2, 6, 8, 12^3, 24\})$	737280
24	$\mathcal{O}(1; \{3, 6^2, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{3, 4, 8, 12^4, 24\})$	1622016
24	$\mathcal{O}(1; \{2, 8, 12^5, 24\})$	1622016
24	$\mathcal{O}(1; \{2^{10}, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^6, 3^3, 24^2\})$	23040

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^6, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^7, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2^4, 4^4, 24^2\})$	73728
24	$\mathcal{O}(1; \{3^3, 4^4, 24^2\})$	368640
24	$\mathcal{O}(1; \{2, 4^6, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^7, 3, 6, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^3, 3^4, 6, 24^2\})$	96768
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 24^2\})$	55296
24	$\mathcal{O}(1; \{3^4, 4^2, 6, 24^2\})$	387072
24	$\mathcal{O}(1; \{2, 3, 4^4, 6, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 24^2\})$	50688
24	$\mathcal{O}(1; \{3^5, 6^2, 24^2\})$	391680
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^5, 6^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 3^3, 6^3, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 24^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 3, 6^4, 24^2\})$	96768
24	$\mathcal{O}(1; \{6^6, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^5, 4, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{2, 3^3, 4, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^2, 4^3, 8^2, 24^2\})$	589824
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{4, 6^3, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^3, 8^4, 24^2\})$	1179648
24	$\mathcal{O}(1; \{4^2, 8^4, 24^2\})$	4718592
24	$\mathcal{O}(1; \{3, 6, 8^4, 24^2\})$	3538944
24	$\mathcal{O}(1; \{2^4, 3^2, 4, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{3^5, 4, 12, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 3^2, 4^3, 12, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^5, 4, 6, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 3^3, 4, 6, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 4^3, 6, 12, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 12, 24^2\})$	202752
24	$\mathcal{O}(1; \{4, 6^4, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 3^2, 8^2, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^3, 6, 8^2, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{4^2, 6, 8^2, 12, 24^2\})$	1769472
24	$\mathcal{O}(1; \{3, 6^2, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^5, 3, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2, 3^4, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 12^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 12^2, 24^2\})$	387072

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 6^2, 12^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{4^2, 6^2, 12^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{3, 6^3, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{3, 4, 8^2, 12^2, 24^2\})$	2949120
24	$\mathcal{O}(1; \{2^3, 4, 12^3, 24^2\})$	368640
24	$\mathcal{O}(1; \{4^3, 12^3, 24^2\})$	1474560
24	$\mathcal{O}(1; \{3, 4, 6, 12^3, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 8^2, 12^3, 24^2\})$	2949120
24	$\mathcal{O}(1; \{3^2, 12^4, 24^2\})$	3170304
24	$\mathcal{O}(1; \{2, 6, 12^4, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2^5, 3, 8, 24^3\})$	221184
24	$\mathcal{O}(1; \{2, 3^4, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 8, 24^3\})$	884736
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{2^3, 6^2, 8, 24^3\})$	368640
24	$\mathcal{O}(1; \{4^2, 6^2, 8, 24^3\})$	1474560
24	$\mathcal{O}(1; \{3, 6^3, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{3, 4, 8^3, 24^3\})$	7077888
24	$\mathcal{O}(1; \{2^3, 4, 8, 12, 24^3\})$	884736
24	$\mathcal{O}(1; \{4^3, 8, 12, 24^3\})$	3538944
24	$\mathcal{O}(1; \{3, 4, 6, 8, 12, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2, 8^3, 12, 24^3\})$	7077888
24	$\mathcal{O}(1; \{3^2, 8, 12^2, 24^3\})$	6193152
24	$\mathcal{O}(1; \{2, 6, 8, 12^2, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 24^4\})$	1622016
24	$\mathcal{O}(1; \{2^3, 4, 6, 24^4\})$	737280
24	$\mathcal{O}(1; \{4^3, 6, 24^4\})$	2949120
24	$\mathcal{O}(1; \{3, 4, 6^2, 24^4\})$	3096576
24	$\mathcal{O}(1; \{3^2, 8^2, 24^4\})$	12976128
24	$\mathcal{O}(1; \{2, 6, 8^2, 24^4\})$	5898240
24	$\mathcal{O}(1; \{2^3, 3, 12, 24^4\})$	1622016
24	$\mathcal{O}(1; \{3, 4^2, 12, 24^4\})$	6488064
24	$\mathcal{O}(1; \{3^2, 6, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2, 6^2, 12, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2, 4, 12^2, 24^4\})$	6488064
24	$\mathcal{O}(1; \{2, 4, 8, 24^5\})$	11796480
24	$\mathcal{O}(1; \{2, 3, 24^6\})$	24772608
24	$\mathcal{O}(0; \{2^9, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2^5, 3^7, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^{10}, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 8^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 8^2\})$	384

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^4, 4^6, 8^2\})$	1536
24	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^6, 3^5, 6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^8, 6, 8^2\})$	680
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6, 8^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{3^5, 4^4, 6, 8^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 6, 8^2\})$	512
24	$\mathcal{O}(0; \{2^{11}, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 8^2\})$	344
24	$\mathcal{O}(0; \{2^8, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^2, 8^2\})$	160
24	$\mathcal{O}(0; \{3^6, 4^2, 6^2, 8^2\})$	1376
24	$\mathcal{O}(0; \{2^5, 4^4, 6^2, 8^2\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^2, 8^2\})$	640
24	$\mathcal{O}(0; \{2^2, 4^6, 6^2, 8^2\})$	512
24	$\mathcal{O}(0; \{2^8, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 8^2\})$	168
24	$\mathcal{O}(0; \{3^7, 6^3, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^3, 8^2\})$	96
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^3, 8^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^3, 8^2\})$	384
24	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^5, 6^4, 8^2\})$	680
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^4, 8^2\})$	352
24	$\mathcal{O}(0; \{2^6, 6^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 8^2\})$	344
24	$\mathcal{O}(0; \{2^3, 4^2, 6^5, 8^2\})$	160
24	$\mathcal{O}(0; \{4^4, 6^5, 8^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3, 6^6, 8^2\})$	168
24	$\mathcal{O}(0; \{3, 4^2, 6^6, 8^2\})$	672
24	$\mathcal{O}(0; \{3^2, 6^7, 8^2\})$	680
24	$\mathcal{O}(0; \{2, 6^8, 8^2\})$	344
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8^4\})$	768
24	$\mathcal{O}(0; \{3^7, 4, 8^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8^4\})$	3072
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8^4\})$	1024
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8^4\})$	1280

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8^4\})$	1024
24	$\mathcal{O}(0; \{4^5, 6^2, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8^4\})$	768
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8^4\})$	3072
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8^4\})$	2816
24	$\mathcal{O}(0; \{2, 4, 6^5, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^4, 8^6\})$	6144
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^4, 6^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^3, 6^2, 8^6\})$	10240
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^6\})$	6144
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{3^6, 4^3, 8^2, 12\})$	2688
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^8, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^7, 4, 6, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2^6, 4, 6^3, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{4^5, 6^3, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3, 4^3, 6^4, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{3^2, 4, 6^5, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2, 4, 6^6, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^5, 3^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 3^6, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2^6, 3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3, 4^4, 6, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8^4, 12\})$	1280

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{2^4, 6^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{3^3, 6^3, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2, 3, 6^4, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{3^3, 4, 8^6, 12\})$	24576
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{2^8, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^5, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3^8, 8^2, 12^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8^2, 12^2\})$	1536
24	$\mathcal{O}(0; \{2^9, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3^6, 6, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{4^6, 6, 8^2, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 6^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{3^3, 6^4, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2, 3, 6^5, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^4, 12^2\})$	3072
24	$\mathcal{O}(0; \{3^2, 4^3, 8^4, 12^2\})$	12288
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^4, 12^2\})$	4096
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{2, 3^2, 8^6, 12^2\})$	24576
24	$\mathcal{O}(0; \{2^2, 6, 8^6, 12^2\})$	8192
24	$\mathcal{O}(0; \{2^6, 3, 4, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8^2, 12^3\})$	1536
24	$\mathcal{O}(0; \{3, 4^5, 8^2, 12^3\})$	6144
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8^2, 12^3\})$	1408

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8^2, 12^3\})$	2560
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 8^4, 12^3\})$	3072
24	$\mathcal{O}(0; \{3^4, 8^4, 12^3\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^4, 12^3\})$	12288
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2^2, 6^2, 8^4, 12^3\})$	5120
24	$\mathcal{O}(0; \{2^7, 8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{2^3, 3^3, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 12^4\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^2, 8^2, 12^4\})$	10752
24	$\mathcal{O}(0; \{2, 4^4, 8^2, 12^4\})$	6144
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{3^4, 6, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^2, 12^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2^2, 6^3, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 4, 8^4, 12^4\})$	12288
24	$\mathcal{O}(0; \{8^6, 12^4\})$	98304
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2, 12^5\})$	10752
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^2, 12^5\})$	5632
24	$\mathcal{O}(0; \{6, 8^4, 12^5\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12^6\})$	10752
24	$\mathcal{O}(0; \{6^2, 8^2, 12^6\})$	22016
24	$\mathcal{O}(0; \{4, 8^2, 12^7\})$	43008
24	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^6, 3^5, 4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^8, 4, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 8, 24\})$	704
24	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{3^5, 4^5, 8, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3^2, 4^7, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^{11}, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 6, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^8, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6, 8, 24\})$	320
24	$\mathcal{O}(0; \{3^6, 4^3, 6, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2^5, 4^5, 6, 8, 24\})$	256

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 6, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^2, 4^7, 6, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^8, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^2, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^7, 4, 6^2, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^2, 8, 24\})$	192
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^2, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^2, 8, 24\})$	768
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^3, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^3, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^3, 8, 24\})$	704
24	$\mathcal{O}(0; \{2^6, 4, 6^4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^4, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^3, 4^3, 6^4, 8, 24\})$	320
24	$\mathcal{O}(0; \{4^5, 6^4, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^5, 8, 24\})$	336
24	$\mathcal{O}(0; \{3, 4^3, 6^5, 8, 24\})$	1344
24	$\mathcal{O}(0; \{3^2, 4, 6^6, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2, 4, 6^7, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^8, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^5, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^8, 8^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{2^9, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^6, 6, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{4^6, 6, 8^3, 24\})$	8192
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^4, 6^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{3^3, 6^4, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2, 3, 6^5, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^5, 24\})$	4096

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^3, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{2, 3^2, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^2, 6, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^{11}, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^7, 3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^7, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3^7, 4^2, 8, 12, 24\})$	5440
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 8, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2^8, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^5, 6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^8, 6, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^9, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^6, 6^2, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^6, 4^2, 6^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^3, 4^4, 6^2, 8, 12, 24\})$	768
24	$\mathcal{O}(0; \{4^6, 6^2, 8, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^6, 3, 6^3, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3, 4^4, 6^3, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^2, 4^2, 6^4, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^4, 6^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{3^3, 6^5, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2, 4^2, 6^5, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3, 6^6, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^6, 3, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8^3, 12, 24\})$	2048
24	$\mathcal{O}(0; \{3, 4^5, 8^3, 12, 24\})$	8192

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8^3, 12, 24\})$	6144
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^4, 3, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{3^4, 8^5, 12, 24\})$	45056
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^5, 12, 24\})$	16384
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2^2, 6^2, 8^5, 12, 24\})$	12288
24	$\mathcal{O}(0; \{2^9, 4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^6, 4, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^6, 4^3, 8, 12^2, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 4^5, 8, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{4^7, 8, 12^2, 24\})$	4096
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8, 12^2, 24\})$	1280
24	$\mathcal{O}(0; \{3, 4^5, 6, 8, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^7, 8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^4, 4^2, 8^3, 12^2, 24\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^2, 8^3, 12^2, 24\})$	22528
24	$\mathcal{O}(0; \{2, 4^4, 8^3, 12^2, 24\})$	8192
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{3^4, 6, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^3, 12^2, 24\})$	10240
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2^2, 6^3, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 4, 8^5, 12^2, 24\})$	16384
24	$\mathcal{O}(0; \{8^7, 12^2, 24\})$	131072
24	$\mathcal{O}(0; \{2^6, 3^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 3^5, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8, 12^3, 24\})$	2816

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^4, 8, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^7, 6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8, 12^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{2, 4^4, 6, 8, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{3^4, 6^2, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^2, 6^4, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^3, 12^3, 24\})$	22528
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^3, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{6, 8^5, 12^3, 24\})$	81920
24	$\mathcal{O}(0; \{2^4, 3, 4, 8, 12^4, 24\})$	2816
24	$\mathcal{O}(0; \{3^4, 4, 8, 12^4, 24\})$	21760
24	$\mathcal{O}(0; \{2, 3, 4^3, 8, 12^4, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8, 12^4, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 8^3, 12^4, 24\})$	22528
24	$\mathcal{O}(0; \{6^2, 8^3, 12^4, 24\})$	43008
24	$\mathcal{O}(0; \{2^5, 8, 12^5, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3^3, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{2^2, 4^2, 8, 12^5, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 12^5, 24\})$	11008
24	$\mathcal{O}(0; \{6^3, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{4, 8^3, 12^5, 24\})$	90112
24	$\mathcal{O}(0; \{4, 6, 8, 12^6, 24\})$	44032
24	$\mathcal{O}(0; \{3, 8, 12^7, 24\})$	87040
24	$\mathcal{O}(0; \{2^{14}, 24^2\})$	8
24	$\mathcal{O}(0; \{2^{10}, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^6, 3^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^9, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^{11}, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^8, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 24^2\})$	640
24	$\mathcal{O}(0; \{3^6, 4^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 4^6, 24^2\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^6, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 4^8, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^{11}, 3, 6, 24^2\})$	24

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^7, 6, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6, 24^2\})$	672
24	$\mathcal{O}(0; \{3^7, 4^2, 6, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 6, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 6, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 6, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 24^2\})$	680
24	$\mathcal{O}(0; \{3^8, 6^2, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^9, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3^6, 6^3, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^6, 4^2, 6^3, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^3, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 4^4, 6^3, 24^2\})$	640
24	$\mathcal{O}(0; \{4^6, 6^3, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^6, 3, 6^4, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^4, 24^2\})$	672
24	$\mathcal{O}(0; \{3, 4^4, 6^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 24^2\})$	680
24	$\mathcal{O}(0; \{3^2, 4^2, 6^5, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 6^6, 24^2\})$	344
24	$\mathcal{O}(0; \{3^3, 6^6, 24^2\})$	2728
24	$\mathcal{O}(0; \{2, 4^2, 6^6, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3, 6^7, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^9, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^6, 4, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^6, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^3, 4^5, 8^2, 24^2\})$	4096
24	$\mathcal{O}(0; \{4^7, 8^2, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{3, 4^5, 6, 8^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8^2, 24^2\})$	2816

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^7, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^3, 3^3, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^4, 4^2, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{3^3, 4^2, 8^4, 24^2\})$	40960
24	$\mathcal{O}(0; \{2, 4^4, 8^4, 24^2\})$	32768
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{3^4, 6, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^4, 24^2\})$	24576
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^2, 6^3, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 4, 8^6, 24^2\})$	65536
24	$\mathcal{O}(0; \{8^8, 24^2\})$	524288
24	$\mathcal{O}(0; \{2^8, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 3^5, 4, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^8, 4, 12, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^5, 4^3, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^9, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 6, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^6, 4, 6, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 4^3, 6, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 4^5, 6, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{4^7, 6, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^6, 3, 4, 6^2, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^2, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^2, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{3, 4^5, 6^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^3, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^2, 4^3, 6^3, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^4, 4, 6^4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{3^3, 4, 6^4, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2, 4^3, 6^4, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4, 6^5, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^6, 3^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^5, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8^2, 12, 24^2\})$	5120

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^4, 8^2, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^7, 6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 4^4, 6, 8^2, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^4, 6^2, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 6^4, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^4, 12, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^4, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{6, 8^6, 12, 24^2\})$	196608
24	$\mathcal{O}(0; \{2^9, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^5, 3^4, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^7, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3, 4^6, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^7, 6^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^4, 6^3, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^2, 6^5, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^2, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{3^4, 4, 8^2, 12^2, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^2, 12^2, 24^2\})$	20480
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 8^4, 12^2, 24^2\})$	40960
24	$\mathcal{O}(0; \{6^2, 8^4, 12^2, 24^2\})$	90112
24	$\mathcal{O}(0; \{2^7, 4, 12^3, 24^2\})$	640

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^4, 4^3, 12^3, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^3, 4^3, 12^3, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 4^5, 12^3, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^4, 4, 6, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 12^3, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 8^2, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{2, 3^3, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 12^3, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{6^3, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{4, 8^4, 12^3, 24^2\})$	163840
24	$\mathcal{O}(0; \{2^4, 3^2, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^5, 12^4, 24^2\})$	43648
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 12^4, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^5, 6, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^3, 6, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 12^4, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{6^4, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{4, 6, 8^2, 12^4, 24^2\})$	86016
24	$\mathcal{O}(0; \{2^2, 3, 4, 12^5, 24^2\})$	22016
24	$\mathcal{O}(0; \{4, 6^2, 12^5, 24^2\})$	43520
24	$\mathcal{O}(0; \{3, 8^2, 12^5, 24^2\})$	176128
24	$\mathcal{O}(0; \{2^3, 12^6, 24^2\})$	22016
24	$\mathcal{O}(0; \{4^2, 12^6, 24^2\})$	88064
24	$\mathcal{O}(0; \{3, 6, 12^6, 24^2\})$	87552
24	$\mathcal{O}(0; \{2^9, 3, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{2^5, 3^4, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 3^7, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 8, 24^3\})$	6144
24	$\mathcal{O}(0; \{3, 4^6, 8, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^7, 6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8, 24^3\})$	5504

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{3^4, 6^3, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^2, 6^5, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^3, 24^3\})$	12288
24	$\mathcal{O}(0; \{3^4, 4, 8^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^3, 24^3\})$	49152
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^3, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 8^5, 24^3\})$	98304
24	$\mathcal{O}(0; \{6^2, 8^5, 24^3\})$	163840
24	$\mathcal{O}(0; \{2^7, 4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^4, 4^3, 8, 12, 24^3\})$	6144
24	$\mathcal{O}(0; \{3^3, 4^3, 8, 12, 24^3\})$	43008
24	$\mathcal{O}(0; \{2, 4^5, 8, 12, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^4, 4, 6, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8, 12, 24^3\})$	22528
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^5, 8^3, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{2, 3^3, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 12, 24^3\})$	49152
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^3, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{6^3, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{4, 8^5, 12, 24^3\})$	393216
24	$\mathcal{O}(0; \{2^4, 3^2, 8, 12^2, 24^3\})$	10752
24	$\mathcal{O}(0; \{3^5, 8, 12^2, 24^3\})$	87552
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8, 12^2, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^5, 6, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 3^3, 6, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8, 12^2, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{6^4, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{4, 6, 8^3, 12^2, 24^3\})$	180224
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 12^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{4, 6^2, 8, 12^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{3, 8^3, 12^3, 24^3\})$	344064

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 8, 12^4, 24^3\})$	43008
24	$\mathcal{O}(0; \{4^2, 8, 12^4, 24^3\})$	172032
24	$\mathcal{O}(0; \{3, 6, 8, 12^4, 24^3\})$	174080
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 24^4\})$	11264
24	$\mathcal{O}(0; \{3^2, 4^5, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^7, 4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 24^4\})$	11008
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 24^4\})$	5120
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 24^4\})$	44032
24	$\mathcal{O}(0; \{2, 4^5, 6, 24^4\})$	20480
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 24^4\})$	5376
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 24^4\})$	43776
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 24^4\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 24^4\})$	11008
24	$\mathcal{O}(0; \{2^4, 3^2, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{3^5, 8^2, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^5, 6, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^2, 24^4\})$	40960
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{6^4, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{4, 6, 8^4, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^7, 3, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^4, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 12, 24^4\})$	11264
24	$\mathcal{O}(0; \{3^4, 4^2, 12, 24^4\})$	87040
24	$\mathcal{O}(0; \{2, 3, 4^4, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^5, 6, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^5, 6^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 12, 24^4\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{6^5, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 12, 24^4\})$	90112
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 12, 24^4\})$	172032
24	$\mathcal{O}(0; \{3, 8^4, 12, 24^4\})$	720896
24	$\mathcal{O}(0; \{2^5, 4, 12^2, 24^4\})$	11264

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^3, 4, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^2, 4^3, 12^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12^2, 24^4\})$	44032
24	$\mathcal{O}(0; \{4, 6^3, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^3, 8^2, 12^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{4^2, 8^2, 12^2, 24^4\})$	360448
24	$\mathcal{O}(0; \{3, 6, 8^2, 12^2, 24^4\})$	352256
24	$\mathcal{O}(0; \{2^2, 3^2, 12^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^3, 6, 12^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{4^2, 6, 12^3, 24^4\})$	176128
24	$\mathcal{O}(0; \{3, 6^2, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{3, 4, 12^4, 24^4\})$	348160
24	$\mathcal{O}(0; \{2, 12^5, 24^4\})$	348160
24	$\mathcal{O}(0; \{2^5, 4, 8, 24^5\})$	20480
24	$\mathcal{O}(0; \{2, 3^3, 4, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^2, 4^3, 8, 24^5\})$	81920
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8, 24^5\})$	86016
24	$\mathcal{O}(0; \{4, 6^3, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^3, 8^3, 24^5\})$	163840
24	$\mathcal{O}(0; \{4^2, 8^3, 24^5\})$	655360
24	$\mathcal{O}(0; \{3, 6, 8^3, 24^5\})$	688128
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 12, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^3, 6, 8, 12, 24^5\})$	86016
24	$\mathcal{O}(0; \{4^2, 6, 8, 12, 24^5\})$	344064
24	$\mathcal{O}(0; \{3, 6^2, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{3, 4, 8, 12^2, 24^5\})$	704512
24	$\mathcal{O}(0; \{2, 8, 12^3, 24^5\})$	704512
24	$\mathcal{O}(0; \{2^5, 3, 24^6\})$	43008
24	$\mathcal{O}(0; \{2, 3^4, 24^6\})$	350208
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 24^6\})$	172032
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 24^6\})$	174080
24	$\mathcal{O}(0; \{2^3, 6^2, 24^6\})$	88064
24	$\mathcal{O}(0; \{4^2, 6^2, 24^6\})$	352256
24	$\mathcal{O}(0; \{3, 6^3, 24^6\})$	350208
24	$\mathcal{O}(0; \{3, 4, 8^2, 24^6\})$	1376256
24	$\mathcal{O}(0; \{2^3, 4, 12, 24^6\})$	172032
24	$\mathcal{O}(0; \{4^3, 12, 24^6\})$	688128
24	$\mathcal{O}(0; \{3, 4, 6, 12, 24^6\})$	696320
24	$\mathcal{O}(0; \{2, 8^2, 12, 24^6\})$	1376256
24	$\mathcal{O}(0; \{3^2, 12^2, 24^6\})$	1400832
24	$\mathcal{O}(0; \{2, 6, 12^2, 24^6\})$	696320
24	$\mathcal{O}(0; \{3^2, 8, 24^7\})$	2785280
24	$\mathcal{O}(0; \{2, 6, 8, 24^7\})$	1409024

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4, 24^8\})$	2818048
25	$\mathcal{O}(2; \{5, 25^4\})$	10156250000
25	$\mathcal{O}(0; \{5^6, 25^4\})$	26624000
25	$\mathcal{O}(0; \{25^9\})$	20479687500
26	$\mathcal{O}(3; \{2, 13, 26\})$	3706989312
26	$\mathcal{O}(2; \{2^5, 13, 26\})$	5483712
26	$\mathcal{O}(2; \{2^3, 26^3\})$	60320832
26	$\mathcal{O}(1; \{2^9, 13, 26\})$	8112
26	$\mathcal{O}(1; \{2^7, 26^3\})$	89232
26	$\mathcal{O}(0; \{2^2, 13^8\})$	33075516
26	$\mathcal{O}(0; \{2^{13}, 13, 26\})$	12
26	$\mathcal{O}(0; \{13^7, 26^2\})$	396906180
26	$\mathcal{O}(0; \{2^{11}, 26^3\})$	132
27	$\mathcal{O}(2; \{3^2, 9, 27^2\})$	229582512
27	$\mathcal{O}(1; \{3^5, 9, 27^2\})$	2519424
27	$\mathcal{O}(1; \{3, 9^4, 27^2\})$	34012224
27	$\mathcal{O}(1; \{3^2, 27^5\})$	191318760
27	$\mathcal{O}(0; \{3^8, 9, 27^2\})$	27648
27	$\mathcal{O}(0; \{3^4, 9^4, 27^2\})$	373248
27	$\mathcal{O}(0; \{9^7, 27^2\})$	5038848
27	$\mathcal{O}(0; \{3^5, 27^5\})$	2099520
27	$\mathcal{O}(0; \{3, 9^3, 27^5\})$	28343520
28	$\mathcal{O}(3; \{28^2\})$	5782683648
28	$\mathcal{O}(2; \{2, 4, 7^2, 28\})$	36879360
28	$\mathcal{O}(2; \{2^4, 28^2\})$	7375872
28	$\mathcal{O}(2; \{2, 4^2, 28^2\})$	29503488
28	$\mathcal{O}(1; \{2^2, 4^2, 7^4\})$	291648
28	$\mathcal{O}(1; \{4^2, 7^3, 14^2\})$	1740480
28	$\mathcal{O}(1; \{2^5, 4, 7^2, 28\})$	47040
28	$\mathcal{O}(1; \{2^2, 4^3, 7^2, 28\})$	188160
28	$\mathcal{O}(1; \{2^3, 4, 7, 14^2, 28\})$	291648
28	$\mathcal{O}(1; \{4^3, 7, 14^2, 28\})$	1166592
28	$\mathcal{O}(1; \{2, 4, 14^4, 28\})$	1740480
28	$\mathcal{O}(1; \{2^8, 28^2\})$	9408
28	$\mathcal{O}(1; \{2^5, 4^2, 28^2\})$	37632
28	$\mathcal{O}(1; \{2^2, 4^4, 28^2\})$	150528
28	$\mathcal{O}(1; \{2, 7^3, 14, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2, 4, 7, 14, 28^3\})$	6961920
28	$\mathcal{O}(0; \{2^6, 4^2, 7^4\})$	372
28	$\mathcal{O}(0; \{2^3, 4^4, 7^4\})$	1488
28	$\mathcal{O}(0; \{4^6, 7^4\})$	5952
28	$\mathcal{O}(0; \{2^4, 4^2, 7^3, 14^2\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 7^3, 14^2\})$	8880

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 14^4\})$	13332
28	$\mathcal{O}(0; \{4^2, 7, 14^6\})$	79980
28	$\mathcal{O}(0; \{2^9, 4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{2^6, 4^3, 7^2, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 4^5, 7^2, 28\})$	960
28	$\mathcal{O}(0; \{4^7, 7^2, 28\})$	3840
28	$\mathcal{O}(0; \{2^2, 4, 7^5, 14, 28\})$	79980
28	$\mathcal{O}(0; \{2^7, 4, 7, 14^2, 28\})$	372
28	$\mathcal{O}(0; \{2^4, 4^3, 7, 14^2, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4^5, 7, 14^2, 28\})$	5952
28	$\mathcal{O}(0; \{4, 7^4, 14^3, 28\})$	479892
28	$\mathcal{O}(0; \{2^5, 4, 14^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^3, 14^4, 28\})$	8880
28	$\mathcal{O}(0; \{2^{12}, 28^2\})$	12
28	$\mathcal{O}(0; \{2^9, 4^2, 28^2\})$	48
28	$\mathcal{O}(0; \{2^6, 4^4, 28^2\})$	192
28	$\mathcal{O}(0; \{2^3, 4^6, 28^2\})$	768
28	$\mathcal{O}(0; \{4^8, 28^2\})$	3072
28	$\mathcal{O}(0; \{7^7, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^5, 7^3, 14, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4^2, 7^3, 14, 28^2\})$	53328
28	$\mathcal{O}(0; \{2^3, 7^2, 14^3, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 7^2, 14^3, 28^2\})$	319920
28	$\mathcal{O}(0; \{2, 7, 14^5, 28^2\})$	479892
28	$\mathcal{O}(0; \{4, 7^5, 28^3\})$	1919568
28	$\mathcal{O}(0; \{2^5, 4, 7, 14, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^2, 4^3, 7, 14, 28^3\})$	35520
28	$\mathcal{O}(0; \{2^3, 4, 14^3, 28^3\})$	53328
28	$\mathcal{O}(0; \{4^3, 14^3, 28^3\})$	213312
28	$\mathcal{O}(0; \{2^3, 7^3, 28^4\})$	319920
28	$\mathcal{O}(0; \{4^2, 7^3, 28^4\})$	1279680
28	$\mathcal{O}(0; \{2, 7^2, 14^2, 28^4\})$	1919568
28	$\mathcal{O}(0; \{2^3, 4, 7, 28^5\})$	213312
28	$\mathcal{O}(0; \{4^3, 7, 28^5\})$	853248
28	$\mathcal{O}(0; \{2, 4, 14^2, 28^5\})$	1279680
29	$\mathcal{O}(0; \{29^8\})$	13027655116
30	$\mathcal{O}(2; \{2, 3^2, 5, 10\})$	6480000
30	$\mathcal{O}(2; \{2^2, 3, 15^2\})$	6480000
30	$\mathcal{O}(2; \{6^2, 15^2\})$	19440000
30	$\mathcal{O}(2; \{2^2, 3, 10, 30\})$	6480000
30	$\mathcal{O}(2; \{6^2, 10, 30\})$	6480000
30	$\mathcal{O}(2; \{5, 6, 15, 30\})$	19440000
30	$\mathcal{O}(2; \{5^2, 30^2\})$	84240000

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(2; \{3, 15, 30^2\})$	58320000
30	$\mathcal{O}(1; \{2^2, 3^2, 5^4\})$	93600
30	$\mathcal{O}(1; \{3, 5^4, 6^2\})$	93600
30	$\mathcal{O}(1; \{2^5, 3^2, 5, 10\})$	7200
30	$\mathcal{O}(1; \{2, 3^5, 5, 10\})$	36000
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 6, 10\})$	21600
30	$\mathcal{O}(1; \{2^3, 3, 5, 6^2, 10\})$	7200
30	$\mathcal{O}(1; \{3^2, 5, 6^3, 10\})$	36000
30	$\mathcal{O}(1; \{2, 5, 6^4, 10\})$	21600
30	$\mathcal{O}(1; \{3^2, 5^3, 10^2\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 10^3\})$	21600
30	$\mathcal{O}(1; \{3^3, 6, 10^3\})$	64800
30	$\mathcal{O}(1; \{2, 3, 6^2, 10^3\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 5^2, 15\})$	64800
30	$\mathcal{O}(1; \{2^3, 3, 5^2, 6, 15\})$	21600
30	$\mathcal{O}(1; \{3^2, 5^2, 6^2, 15\})$	108000
30	$\mathcal{O}(1; \{2, 5^2, 6^3, 15\})$	64800
30	$\mathcal{O}(1; \{3^3, 5, 10^2, 15\})$	280800
30	$\mathcal{O}(1; \{2, 3, 5, 6, 10^2, 15\})$	93600
30	$\mathcal{O}(1; \{2^6, 3, 15^2\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^4, 15^2\})$	79200
30	$\mathcal{O}(1; \{2^3, 3^2, 6, 15^2\})$	36000
30	$\mathcal{O}(1; \{2^4, 6^2, 15^2\})$	21600
30	$\mathcal{O}(1; \{3^3, 6^2, 15^2\})$	151200
30	$\mathcal{O}(1; \{2, 3, 6^3, 15^2\})$	79200
30	$\mathcal{O}(1; \{2, 3, 5^2, 10, 15^2\})$	367200
30	$\mathcal{O}(1; \{2, 3^2, 10, 15^3\})$	468000
30	$\mathcal{O}(1; \{2^2, 6, 10, 15^3\})$	280800
30	$\mathcal{O}(1; \{2^2, 5, 15^4\})$	1101600
30	$\mathcal{O}(1; \{10^2, 15^4\})$	4428000
30	$\mathcal{O}(1; \{2^3, 3, 5^3, 30\})$	93600
30	$\mathcal{O}(1; \{3^2, 5^3, 6, 30\})$	280800
30	$\mathcal{O}(1; \{2, 5^3, 6^2, 30\})$	93600
30	$\mathcal{O}(1; \{2^6, 3, 10, 30\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^4, 10, 30\})$	36000
30	$\mathcal{O}(1; \{2^3, 3^2, 6, 10, 30\})$	21600
30	$\mathcal{O}(1; \{2^4, 6^2, 10, 30\})$	7200
30	$\mathcal{O}(1; \{3^3, 6^2, 10, 30\})$	79200
30	$\mathcal{O}(1; \{2, 3, 6^3, 10, 30\})$	36000
30	$\mathcal{O}(1; \{2, 3, 5^2, 10^2, 30\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 5, 15, 30\})$	64800
30	$\mathcal{O}(1; \{2^4, 5, 6, 15, 30\})$	21600
30	$\mathcal{O}(1; \{3^3, 5, 6, 15, 30\})$	237600

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2, 3, 5, 6^2, 15, 30\})$	108000
30	$\mathcal{O}(1; \{2, 3^2, 10^2, 15, 30\})$	280800
30	$\mathcal{O}(1; \{2^2, 6, 10^2, 15, 30\})$	93600
30	$\mathcal{O}(1; \{2^2, 5, 10, 15^2, 30\})$	367200
30	$\mathcal{O}(1; \{10^3, 15^2, 30\})$	1476000
30	$\mathcal{O}(1; \{6, 15^4, 30\})$	4039200
30	$\mathcal{O}(1; \{2^4, 5^2, 30^2\})$	93600
30	$\mathcal{O}(1; \{3^3, 5^2, 30^2\})$	468000
30	$\mathcal{O}(1; \{2, 3, 5^2, 6, 30^2\})$	280800
30	$\mathcal{O}(1; \{2^2, 5, 10^2, 30^2\})$	367200
30	$\mathcal{O}(1; \{10^4, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2^4, 3, 15, 30^2\})$	64800
30	$\mathcal{O}(1; \{3^4, 15, 30^2\})$	453600
30	$\mathcal{O}(1; \{2, 3^2, 6, 15, 30^2\})$	237600
30	$\mathcal{O}(1; \{2^2, 6^2, 15, 30^2\})$	108000
30	$\mathcal{O}(1; \{6, 10, 15^2, 30^2\})$	1836000
30	$\mathcal{O}(1; \{5, 15^3, 30^2\})$	7380000
30	$\mathcal{O}(1; \{2, 3^2, 5, 30^3\})$	468000
30	$\mathcal{O}(1; \{2^2, 5, 6, 30^3\})$	280800
30	$\mathcal{O}(1; \{6, 10^2, 30^3\})$	1101600
30	$\mathcal{O}(1; \{5, 10, 15, 30^3\})$	4428000
30	$\mathcal{O}(1; \{2^2, 3, 30^4\})$	468000
30	$\mathcal{O}(1; \{6^2, 30^4\})$	1029600
30	$\mathcal{O}(0; \{2^6, 3^2, 5^4\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 5^4\})$	520
30	$\mathcal{O}(0; \{2^3, 3^3, 5^4, 6\})$	312
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 6^2\})$	104
30	$\mathcal{O}(0; \{3^4, 5^4, 6^2\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6^3\})$	520
30	$\mathcal{O}(0; \{2^2, 5^4, 6^4\})$	312
30	$\mathcal{O}(0; \{2^9, 3^2, 5, 10\})$	8
30	$\mathcal{O}(0; \{2^5, 3^5, 5, 10\})$	40
30	$\mathcal{O}(0; \{2, 3^8, 5, 10\})$	344
30	$\mathcal{O}(0; \{2, 3^2, 5^6, 10\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 6, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 6, 10\})$	168
30	$\mathcal{O}(0; \{2^7, 3, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6^2, 10\})$	88
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^3, 10\})$	40
30	$\mathcal{O}(0; \{3^5, 5, 6^3, 10\})$	344
30	$\mathcal{O}(0; \{2^5, 5, 6^4, 10\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^4, 10\})$	168
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^5, 10\})$	88

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5, 6^7, 10\})$	168
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 10^2\})$	408
30	$\mathcal{O}(0; \{3^5, 5^3, 10^2\})$	2040
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6, 10^2\})$	1224
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^2, 10^2\})$	408
30	$\mathcal{O}(0; \{5^3, 6^4, 10^2\})$	1224
30	$\mathcal{O}(0; \{2^7, 3^2, 10^3\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 10^3\})$	120
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 10^3\})$	72
30	$\mathcal{O}(0; \{3^6, 6, 10^3\})$	504
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 10^3\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 10^3\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 10^3\})$	120
30	$\mathcal{O}(0; \{2^3, 6^4, 10^3\})$	72
30	$\mathcal{O}(0; \{3, 6^5, 10^3\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10^4\})$	1640
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10^4\})$	1640
30	$\mathcal{O}(0; \{3^2, 5, 10^6\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^3, 5^2, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 3^6, 5^2, 15\})$	504
30	$\mathcal{O}(0; \{2^7, 3, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 5^2, 6, 15\})$	264
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 6^2, 15\})$	120
30	$\mathcal{O}(0; \{3^5, 5^2, 6^2, 15\})$	1032
30	$\mathcal{O}(0; \{2^5, 5^2, 6^3, 15\})$	72
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6^3, 15\})$	504
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^4, 15\})$	264
30	$\mathcal{O}(0; \{5^2, 6^6, 15\})$	504
30	$\mathcal{O}(0; \{2, 3^3, 5^4, 10, 15\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 6, 10, 15\})$	1640
30	$\mathcal{O}(0; \{5^4, 6^3, 10, 15\})$	4920
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 10^2, 15\})$	312
30	$\mathcal{O}(0; \{3^6, 5, 10^2, 15\})$	2184
30	$\mathcal{O}(0; \{2^5, 3, 5, 6, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 5, 6, 10^2, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^2, 10^2, 15\})$	520
30	$\mathcal{O}(0; \{2^3, 5, 6^3, 10^2, 15\})$	312
30	$\mathcal{O}(0; \{3, 5, 6^4, 10^2, 15\})$	1144
30	$\mathcal{O}(0; \{3, 5^3, 6, 10^3, 15\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^3, 10^4, 15\})$	1224
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{3^2, 6^2, 10^4, 15\})$	2040
30	$\mathcal{O}(0; \{2, 6^3, 10^4, 15\})$	1224

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^{10}, 3, 15^2\})$	8
30	$\mathcal{O}(0; \{2^6, 3^4, 15^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3^7, 15^2\})$	680
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^2, 6, 15^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3^5, 6, 15^2\})$	344
30	$\mathcal{O}(0; \{2^8, 6^2, 15^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 15^2\})$	168
30	$\mathcal{O}(0; \{3^6, 6^2, 15^2\})$	1368
30	$\mathcal{O}(0; \{5^5, 6^2, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^5, 3, 6^3, 15^2\})$	88
30	$\mathcal{O}(0; \{2, 3^4, 6^3, 15^2\})$	680
30	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 15^2\})$	344
30	$\mathcal{O}(0; \{2^3, 6^5, 15^2\})$	168
30	$\mathcal{O}(0; \{3, 6^6, 15^2\})$	680
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 10, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 10, 15^2\})$	1224
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 10, 15^2\})$	4488
30	$\mathcal{O}(0; \{3, 5^4, 10^2, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^3, 15^2\})$	1640
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^3, 15^2\})$	8200
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^3, 15^2\})$	4920
30	$\mathcal{O}(0; \{2, 3, 10^5, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^3, 5^3, 6, 15^3\})$	4920
30	$\mathcal{O}(0; \{3, 5^3, 6^2, 15^3\})$	18040
30	$\mathcal{O}(0; \{2^5, 3^2, 10, 15^3\})$	520
30	$\mathcal{O}(0; \{2, 3^5, 10, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^6, 6, 10, 15^3\})$	312
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 10, 15^3\})$	2184
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 10, 15^3\})$	1144
30	$\mathcal{O}(0; \{3^2, 6^3, 10, 15^3\})$	4472
30	$\mathcal{O}(0; \{2, 6^4, 10, 15^3\})$	2184
30	$\mathcal{O}(0; \{3^2, 5^2, 10^2, 15^3\})$	32760
30	$\mathcal{O}(0; \{2, 5^2, 6, 10^2, 15^3\})$	19656
30	$\mathcal{O}(0; \{2^6, 5, 15^4\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 15^4\})$	8568
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 15^4\})$	4488
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 15^4\})$	17544
30	$\mathcal{O}(0; \{2, 5, 6^3, 15^4\})$	8568
30	$\mathcal{O}(0; \{2, 5^3, 10, 15^4\})$	78648

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 10^2, 15^4\})$	4920
30	$\mathcal{O}(0; \{3^3, 10^2, 15^4\})$	34440
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 15^4\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15^5\})$	72072
30	$\mathcal{O}(0; \{2^2, 15^7\})$	137592
30	$\mathcal{O}(0; \{2^7, 3, 5^3, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5^3, 30\})$	520
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 6, 30\})$	312
30	$\mathcal{O}(0; \{3^5, 5^3, 6, 30\})$	2184
30	$\mathcal{O}(0; \{2^5, 5^3, 6^2, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6^2, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^3, 30\})$	520
30	$\mathcal{O}(0; \{5^3, 6^5, 30\})$	1144
30	$\mathcal{O}(0; \{2^{10}, 3, 10, 30\})$	8
30	$\mathcal{O}(0; \{2^6, 3^4, 10, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^7, 10, 30\})$	344
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 10, 30\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^2, 6, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 6, 10, 30\})$	168
30	$\mathcal{O}(0; \{2^8, 6^2, 10, 30\})$	8
30	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 10, 30\})$	88
30	$\mathcal{O}(0; \{3^6, 6^2, 10, 30\})$	680
30	$\mathcal{O}(0; \{5^5, 6^2, 10, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 6^3, 10, 30\})$	40
30	$\mathcal{O}(0; \{2, 3^4, 6^3, 10, 30\})$	344
30	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 10, 30\})$	168
30	$\mathcal{O}(0; \{2^3, 6^5, 10, 30\})$	88
30	$\mathcal{O}(0; \{3, 6^6, 10, 30\})$	344
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 10^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 10^2, 30\})$	1224
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 10^2, 30\})$	2040
30	$\mathcal{O}(0; \{3, 5^4, 10^3, 30\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^4, 30\})$	1640
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^4, 30\})$	4920
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^4, 30\})$	1640
30	$\mathcal{O}(0; \{2, 3, 10^6, 30\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^2, 5, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 3^5, 5, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^8, 5, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 6, 15, 30\})$	264
30	$\mathcal{O}(0; \{3^6, 5, 6, 15, 30\})$	2040

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5^6, 6, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5, 6^2, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^4, 5, 6^2, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^3, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^3, 5, 6^4, 15, 30\})$	264
30	$\mathcal{O}(0; \{3, 5, 6^5, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 10, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^3, 5^3, 6, 10, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3, 5^3, 6^2, 10, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^5, 3^2, 10^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^5, 10^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^6, 6, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 10^2, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 10^2, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^2, 6^3, 10^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2, 6^4, 10^2, 15, 30\})$	1144
30	$\mathcal{O}(0; \{3^2, 5^2, 10^3, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2, 5^2, 6, 10^3, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^3, 5^4, 15^2, 30\})$	6552
30	$\mathcal{O}(0; \{3, 5^4, 6, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2^6, 5, 10, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2, 5, 6^3, 10, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2, 5^3, 10^2, 15^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^4, 10^3, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{3^3, 10^3, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2, 3, 6, 10^3, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 15^3, 30\})$	8200
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 10^2, 15^3, 30\})$	32760
30	$\mathcal{O}(0; \{2^3, 3^2, 15^4, 30\})$	8568
30	$\mathcal{O}(0; \{2^4, 6, 15^4, 30\})$	4488
30	$\mathcal{O}(0; \{3^3, 6, 15^4, 30\})$	34680
30	$\mathcal{O}(0; \{2, 3, 6^2, 15^4, 30\})$	17544
30	$\mathcal{O}(0; \{2^2, 10, 15^5, 30\})$	72072
30	$\mathcal{O}(0; \{2^8, 5^2, 30^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3^6, 5^2, 30^2\})$	4472
30	$\mathcal{O}(0; \{5^7, 30^2\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6, 30^2\})$	312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 5^2, 6^3, 30^2\})$	520
30	$\mathcal{O}(0; \{3, 5^2, 6^4, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 5^4, 10, 30^2\})$	6552
30	$\mathcal{O}(0; \{3, 5^4, 6, 10, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^6, 5, 10^2, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 5, 6^3, 10^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{2, 5^3, 10^3, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^4, 10^4, 30^2\})$	1640
30	$\mathcal{O}(0; \{3^3, 10^4, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 3, 6, 10^4, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^8, 3, 15, 30^2\})$	72
30	$\mathcal{O}(0; \{2^4, 3^4, 15, 30^2\})$	504
30	$\mathcal{O}(0; \{3^7, 15, 30^2\})$	4104
30	$\mathcal{O}(0; \{3, 5^5, 15, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^5, 3^2, 6, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 3^5, 6, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^6, 6^2, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 15, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^3, 3, 6^3, 15, 30^2\})$	504
30	$\mathcal{O}(0; \{3^2, 6^4, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2, 6^5, 15, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 10, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5, 10^3, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{3^2, 5^3, 15^2, 30^2\})$	72072
30	$\mathcal{O}(0; \{2, 5^3, 6, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 15^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^4, 6, 10, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{3^3, 6, 10, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 15^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^4, 5, 15^3, 30^2\})$	8200
30	$\mathcal{O}(0; \{3^3, 5, 15^3, 30^2\})$	70520
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15^3, 30^2\})$	34440
30	$\mathcal{O}(0; \{2^2, 10^2, 15^3, 30^2\})$	32760
30	$\mathcal{O}(0; \{15^6, 30^2\})$	1127288
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 3^5, 5, 30^3\})$	4472

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^6, 5, 6, 30^3\})$	312
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 30^3\})$	1144
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 30^3\})$	4472
30	$\mathcal{O}(0; \{2, 5, 6^4, 30^3\})$	2184
30	$\mathcal{O}(0; \{3^2, 5^3, 10, 30^3\})$	32760
30	$\mathcal{O}(0; \{2, 5^3, 6, 10, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^3, 3^2, 10^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{2^4, 6, 10^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{3^3, 6, 10^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 5^4, 15, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^4, 5, 10, 15, 30^3\})$	4920
30	$\mathcal{O}(0; \{3^3, 5, 10, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^2, 10^3, 15, 30^3\})$	19656
30	$\mathcal{O}(0; \{2, 3, 5^2, 15^2, 30^3\})$	72072
30	$\mathcal{O}(0; \{2, 3^2, 15^3, 30^3\})$	70520
30	$\mathcal{O}(0; \{2^2, 6, 15^3, 30^3\})$	34440
30	$\mathcal{O}(0; \{10, 15^4, 30^3\})$	550536
30	$\mathcal{O}(0; \{2^6, 3, 30^4\})$	520
30	$\mathcal{O}(0; \{2^2, 3^4, 30^4\})$	4472
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 30^4\})$	2184
30	$\mathcal{O}(0; \{2^4, 6^2, 30^4\})$	1144
30	$\mathcal{O}(0; \{3^3, 6^2, 30^4\})$	8840
30	$\mathcal{O}(0; \{2, 3, 6^3, 30^4\})$	4472
30	$\mathcal{O}(0; \{2, 3, 5^2, 10, 30^4\})$	32760
30	$\mathcal{O}(0; \{2, 3^2, 10, 15, 30^4\})$	34440
30	$\mathcal{O}(0; \{2^2, 6, 10, 15, 30^4\})$	18040
30	$\mathcal{O}(0; \{2^2, 5, 15^2, 30^4\})$	72072
30	$\mathcal{O}(0; \{10^2, 15^2, 30^4\})$	288376
30	$\mathcal{O}(0; \{2^2, 5, 10, 30^5\})$	32760
30	$\mathcal{O}(0; \{10^3, 30^5\})$	131080
30	$\mathcal{O}(0; \{6, 15^2, 30^5\})$	281736
30	$\mathcal{O}(0; \{6, 10, 30^6\})$	137592
30	$\mathcal{O}(0; \{5, 15, 30^6\})$	550536
32	$\mathcal{O}(2; \{2, 4, 32^2\})$	33554432
32	$\mathcal{O}(1; \{2^5, 4, 32^2\})$	32768
32	$\mathcal{O}(1; \{2^2, 4^3, 32^2\})$	131072
32	$\mathcal{O}(1; \{2^3, 8^2, 32^2\})$	262144
32	$\mathcal{O}(1; \{4^2, 8^2, 32^2\})$	1048576
32	$\mathcal{O}(1; \{2, 8, 16^2, 32^2\})$	4194304
32	$\mathcal{O}(0; \{2^9, 4, 32^2\})$	32

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(0; \{2^6, 4^3, 32^2\})$	128
32	$\mathcal{O}(0; \{2^3, 4^5, 32^2\})$	512
32	$\mathcal{O}(0; \{4^7, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^7, 8^2, 32^2\})$	256
32	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{2, 4^4, 8^2, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^2, 4, 8^4, 32^2\})$	8192
32	$\mathcal{O}(0; \{8^6, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^5, 8, 16^2, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^2, 4^2, 8, 16^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{4, 8^3, 16^2, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^3, 16^4, 32^2\})$	65536
32	$\mathcal{O}(0; \{4^2, 16^4, 32^2\})$	262144
32	$\mathcal{O}(0; \{2^3, 8, 16, 32^4\})$	131072
32	$\mathcal{O}(0; \{4^2, 8, 16, 32^4\})$	524288
32	$\mathcal{O}(0; \{2, 16^3, 32^4\})$	2097152
32	$\mathcal{O}(0; \{2, 8, 32^6\})$	4194304
33	$\mathcal{O}(1; \{3^2, 11^3, 33\})$	1981980
33	$\mathcal{O}(0; \{3^5, 11^3, 33\})$	20020
33	$\mathcal{O}(0; \{3^2, 11^2, 33^4\})$	2000020
34	$\mathcal{O}(2; \{2^2, 17^2\})$	21381376
34	$\mathcal{O}(2; \{17, 34^2\})$	320720640
34	$\mathcal{O}(1; \{2^6, 17^2\})$	18496
34	$\mathcal{O}(1; \{2^4, 17, 34^2\})$	277440
34	$\mathcal{O}(1; \{2^2, 34^4\})$	4457536
34	$\mathcal{O}(0; \{2^{10}, 17^2\})$	16
34	$\mathcal{O}(0; \{2^8, 17, 34^2\})$	240
34	$\mathcal{O}(0; \{2^6, 34^4\})$	3856
35	$\mathcal{O}(2; \{5, 35^2\})$	108045000
35	$\mathcal{O}(1; \{7, 35^4\})$	70707000
35	$\mathcal{O}(0; \{5^2, 7^6\})$	26664
35	$\mathcal{O}(0; \{5^4, 7^3, 35\})$	37944
35	$\mathcal{O}(0; \{5^6, 35^2\})$	78648
36	$\mathcal{O}(2; \{4, 9, 36\})$	20155392
36	$\mathcal{O}(2; \{3, 36^2\})$	40310784
36	$\mathcal{O}(1; \{3^2, 4^2, 9^2\})$	62208
36	$\mathcal{O}(1; \{2, 4^2, 6, 9^2\})$	31104
36	$\mathcal{O}(1; \{2, 3, 4, 9^2, 12\})$	62208
36	$\mathcal{O}(1; \{2^2, 9^2, 12^2\})$	62208
36	$\mathcal{O}(1; \{9, 12^2, 18^2\})$	186624
36	$\mathcal{O}(1; \{2^4, 4, 9, 36\})$	15552
36	$\mathcal{O}(1; \{3^3, 4, 9, 36\})$	124416
36	$\mathcal{O}(1; \{2, 4^3, 9, 36\})$	62208

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{2, 3, 4, 6, 9, 36\})$	62208
36	$\mathcal{O}(1; \{2, 3^2, 9, 12, 36\})$	124416
36	$\mathcal{O}(1; \{2^2, 6, 9, 12, 36\})$	62208
36	$\mathcal{O}(1; \{9, 12^3, 36\})$	497664
36	$\mathcal{O}(1; \{9^2, 12, 18, 36\})$	839808
36	$\mathcal{O}(1; \{2^2, 4, 18^2, 36\})$	46656
36	$\mathcal{O}(1; \{6, 12, 18^2, 36\})$	186624
36	$\mathcal{O}(1; \{2^4, 3, 36^2\})$	31104
36	$\mathcal{O}(1; \{3^4, 36^2\})$	248832
36	$\mathcal{O}(1; \{2, 3, 4^2, 36^2\})$	124416
36	$\mathcal{O}(1; \{2, 3^2, 6, 36^2\})$	124416
36	$\mathcal{O}(1; \{2^2, 6^2, 36^2\})$	62208
36	$\mathcal{O}(1; \{9^3, 36^2\})$	2099520
36	$\mathcal{O}(1; \{2^2, 4, 12, 36^2\})$	124416
36	$\mathcal{O}(1; \{6, 12^2, 36^2\})$	497664
36	$\mathcal{O}(1; \{6, 9, 18, 36^2\})$	839808
36	$\mathcal{O}(1; \{4, 18, 36^3\})$	1679616
36	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 9^2\})$	48
36	$\mathcal{O}(0; \{3^5, 4^2, 9^2\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4^4, 9^2\})$	192
36	$\mathcal{O}(0; \{2^5, 4^2, 6, 9^2\})$	24
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 9^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^4, 6, 9^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 9^2\})$	96
36	$\mathcal{O}(0; \{4^2, 6^4, 9^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 9^5\})$	3240
36	$\mathcal{O}(0; \{2^5, 3, 4, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{2, 3^4, 4, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{4^3, 6^2, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{3, 4, 6^3, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2, 4, 9^5, 12\})$	3240
36	$\mathcal{O}(0; \{2^6, 9^2, 12^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{4^4, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{3^2, 6^2, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2, 6^3, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 12^3\})$	1536

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 12^3\})$	768
36	$\mathcal{O}(0; \{2, 3, 9^2, 12^4\})$	1536
36	$\mathcal{O}(0; \{2^3, 4^2, 9^3, 18\})$	324
36	$\mathcal{O}(0; \{4^4, 9^3, 18\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^3, 18\})$	1296
36	$\mathcal{O}(0; \{3^2, 4, 9^3, 12, 18\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6, 9^3, 12, 18\})$	1296
36	$\mathcal{O}(0; \{2, 3, 9^3, 12^2, 18\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 9, 18^2\})$	144
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 9, 18^2\})$	72
36	$\mathcal{O}(0; \{4^4, 6, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 12, 18^2\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{2^4, 9, 12^2, 18^2\})$	144
36	$\mathcal{O}(0; \{3^3, 9, 12^2, 18^2\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 9, 12^2, 18^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12^2, 18^2\})$	576
36	$\mathcal{O}(0; \{2, 4^2, 9^2, 18^3\})$	1620
36	$\mathcal{O}(0; \{3^2, 4^2, 18^4\})$	1296
36	$\mathcal{O}(0; \{2, 4^2, 6, 18^4\})$	648
36	$\mathcal{O}(0; \{2, 3, 4, 12, 18^4\})$	1296
36	$\mathcal{O}(0; \{2^2, 12^2, 18^4\})$	1296
36	$\mathcal{O}(0; \{2^8, 4, 9, 36\})$	12
36	$\mathcal{O}(0; \{2^4, 3^3, 4, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^6, 4, 9, 36\})$	768
36	$\mathcal{O}(0; \{2^5, 4^3, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4^3, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 4^5, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^5, 3, 4, 6, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^4, 4, 6, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^3, 4, 6^3, 9, 36\})$	96
36	$\mathcal{O}(0; \{4^3, 6^3, 9, 36\})$	384
36	$\mathcal{O}(0; \{3, 4, 6^4, 9, 36\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 9^4, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 6, 9^4, 36\})$	3240
36	$\mathcal{O}(0; \{2^5, 3^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^5, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 9, 12, 36\})$	384

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^6, 6, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 6, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{4^4, 6, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6^2, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{3^2, 6^3, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2, 6^4, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2, 3, 9^4, 12, 36\})$	6480
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 12^2, 36\})$	384
36	$\mathcal{O}(0; \{3, 4^3, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{2^4, 9, 12^3, 36\})$	384
36	$\mathcal{O}(0; \{3^3, 9, 12^3, 36\})$	3072
36	$\mathcal{O}(0; \{2, 4^2, 9, 12^3, 36\})$	1536
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12^3, 36\})$	1536
36	$\mathcal{O}(0; \{2^3, 3, 4, 9^2, 18, 36\})$	648
36	$\mathcal{O}(0; \{3, 4^3, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{3^2, 4, 6, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6^2, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2^4, 9^2, 12, 18, 36\})$	648
36	$\mathcal{O}(0; \{3^3, 9^2, 12, 18, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 9^2, 12, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6, 9^2, 12, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2^6, 4, 18^2, 36\})$	36
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4^3, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{4^5, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 6, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^3, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 3^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{3^2, 4^2, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2^4, 6, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3^3, 6, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 6, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 6^2, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 3, 4, 12^2, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 12^3, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 4, 9, 18^3, 36\})$	3240
36	$\mathcal{O}(0; \{2^2, 9, 12, 18^3, 36\})$	3240

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{12, 18^5, 36\})$	21384
36	$\mathcal{O}(0; \{2^8, 3, 36^2\})$	24
36	$\mathcal{O}(0; \{2^4, 3^4, 36^2\})$	192
36	$\mathcal{O}(0; \{3^7, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^5, 3, 4^2, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 4^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^4, 36^2\})$	384
36	$\mathcal{O}(0; \{2^5, 3^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^5, 6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 36^2\})$	384
36	$\mathcal{O}(0; \{2^6, 6^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 36^2\})$	192
36	$\mathcal{O}(0; \{4^4, 6^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6^3, 36^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^3, 36^2\})$	768
36	$\mathcal{O}(0; \{3^2, 6^4, 36^2\})$	768
36	$\mathcal{O}(0; \{2, 6^5, 36^2\})$	384
36	$\mathcal{O}(0; \{2^4, 9^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{3^3, 9^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 4^2, 9^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 3, 6, 9^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^6, 4, 12, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 4^3, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{4^5, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{3, 4^3, 6, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 4, 6^3, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{3^2, 4^2, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2^4, 6, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{3^3, 6, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 4^2, 6, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3, 6^2, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3, 4, 12^3, 36^2\})$	3072
36	$\mathcal{O}(0; \{2^2, 12^4, 36^2\})$	3072
36	$\mathcal{O}(0; \{2^3, 3^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{3^2, 4^2, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^4, 6, 9, 18, 36^2\})$	648
36	$\mathcal{O}(0; \{3^3, 6, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 6, 9, 18, 36^2\})$	2592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3, 6^2, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3, 4, 9, 12, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 9, 12^2, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 9^2, 18^2, 36^2\})$	10692
36	$\mathcal{O}(0; \{2, 3^2, 18^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^2, 6, 18^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{12^2, 18^3, 36^2\})$	25920
36	$\mathcal{O}(0; \{9, 18^4, 36^2\})$	61236
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 36^3\})$	12960
36	$\mathcal{O}(0; \{2^2, 9^2, 12, 36^3\})$	12960
36	$\mathcal{O}(0; \{2^4, 4, 18, 36^3\})$	1296
36	$\mathcal{O}(0; \{3^3, 4, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4^3, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{2, 3, 4, 6, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{2, 3^2, 12, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2^2, 6, 12, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{12^3, 18, 36^3\})$	41472
36	$\mathcal{O}(0; \{9, 12, 18^2, 36^3\})$	85536
36	$\mathcal{O}(0; \{2, 3^2, 9, 36^4\})$	25920
36	$\mathcal{O}(0; \{2^2, 6, 9, 36^4\})$	12960
36	$\mathcal{O}(0; \{9, 12^2, 36^4\})$	103680
36	$\mathcal{O}(0; \{9^2, 18, 36^4\})$	244944
36	$\mathcal{O}(0; \{6, 18^2, 36^4\})$	85536
36	$\mathcal{O}(0; \{2^2, 4, 36^5\})$	25920
36	$\mathcal{O}(0; \{6, 12, 36^5\})$	103680
38	$\mathcal{O}(1; \{2^3, 19^2, 38\})$	441864
38	$\mathcal{O}(1; \{2, 19, 38^3\})$	7979544
38	$\mathcal{O}(0; \{2^7, 19^2, 38\})$	306
38	$\mathcal{O}(0; \{2^5, 19, 38^3\})$	5526
38	$\mathcal{O}(0; \{2^3, 38^5\})$	99450
39	$\mathcal{O}(1; \{3^2, 39^3\})$	2007720
39	$\mathcal{O}(0; \{3, 13^5, 39\})$	459384
39	$\mathcal{O}(0; \{3^5, 39^3\})$	11352
40	$\mathcal{O}(1; \{5^3, 8^2\})$	76800
40	$\mathcal{O}(1; \{2, 8^2, 20^2\})$	102400
40	$\mathcal{O}(1; \{2^3, 5, 8, 40\})$	25600
40	$\mathcal{O}(1; \{4^2, 5, 8, 40\})$	102400
40	$\mathcal{O}(1; \{2, 8, 10^2, 40\})$	76800
40	$\mathcal{O}(1; \{2, 5, 10, 40^2\})$	332800
40	$\mathcal{O}(1; \{2, 4, 20, 40^2\})$	307200
40	$\mathcal{O}(0; \{2^4, 5^3, 8^2\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 5^3, 8^2\})$	192
40	$\mathcal{O}(0; \{2^2, 5^2, 8^2, 10^2\})$	208

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{5, 8^2, 10^4\})$	816
40	$\mathcal{O}(0; \{2^2, 4, 5, 8^2, 10, 20\})$	192
40	$\mathcal{O}(0; \{5, 8^4, 10, 20\})$	1536
40	$\mathcal{O}(0; \{4, 8^2, 10^3, 20\})$	832
40	$\mathcal{O}(0; \{2^5, 8^2, 20^2\})$	64
40	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 20^2\})$	256
40	$\mathcal{O}(0; \{4, 8^4, 20^2\})$	2048
40	$\mathcal{O}(0; \{5^2, 8^2, 10, 20^2\})$	3264
40	$\mathcal{O}(0; \{4, 5, 8^2, 20^3\})$	3328
40	$\mathcal{O}(0; \{2^7, 5, 8, 40\})$	16
40	$\mathcal{O}(0; \{2^4, 4^2, 5, 8, 40\})$	64
40	$\mathcal{O}(0; \{2, 4^4, 5, 8, 40\})$	256
40	$\mathcal{O}(0; \{2^2, 4, 5, 8^3, 40\})$	512
40	$\mathcal{O}(0; \{5, 8^5, 40\})$	4096
40	$\mathcal{O}(0; \{2^2, 5^3, 8, 10, 40\})$	816
40	$\mathcal{O}(0; \{2^5, 8, 10^2, 40\})$	48
40	$\mathcal{O}(0; \{2^2, 4^2, 8, 10^2, 40\})$	192
40	$\mathcal{O}(0; \{4, 8^3, 10^2, 40\})$	1536
40	$\mathcal{O}(0; \{5^2, 8, 10^3, 40\})$	3280
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 8, 20, 40\})$	832
40	$\mathcal{O}(0; \{5^2, 8^3, 20, 40\})$	6656
40	$\mathcal{O}(0; \{4, 5, 8, 10^2, 20, 40\})$	3264
40	$\mathcal{O}(0; \{5^3, 8, 20^2, 40\})$	13120
40	$\mathcal{O}(0; \{2^3, 8, 10, 20^2, 40\})$	832
40	$\mathcal{O}(0; \{4^2, 8, 10, 20^2, 40\})$	3328
40	$\mathcal{O}(0; \{2, 8, 20^4, 40\})$	13056
40	$\mathcal{O}(0; \{2^2, 5^4, 40^2\})$	3280
40	$\mathcal{O}(0; \{2^5, 5, 10, 40^2\})$	208
40	$\mathcal{O}(0; \{2^2, 4^2, 5, 10, 40^2\})$	832
40	$\mathcal{O}(0; \{4, 5, 8^2, 10, 40^2\})$	6656
40	$\mathcal{O}(0; \{5^3, 10^2, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^3, 10^3, 40^2\})$	816
40	$\mathcal{O}(0; \{4^2, 10^3, 40^2\})$	3264
40	$\mathcal{O}(0; \{2^5, 4, 20, 40^2\})$	192
40	$\mathcal{O}(0; \{2^2, 4^3, 20, 40^2\})$	768
40	$\mathcal{O}(0; \{2^3, 8^2, 20, 40^2\})$	1536
40	$\mathcal{O}(0; \{4^2, 8^2, 20, 40^2\})$	6144
40	$\mathcal{O}(0; \{4, 5^2, 10, 20, 40^2\})$	13120
40	$\mathcal{O}(0; \{2^3, 5, 20^2, 40^2\})$	3264
40	$\mathcal{O}(0; \{4^2, 5, 20^2, 40^2\})$	13056
40	$\mathcal{O}(0; \{2, 10^2, 20^2, 40^2\})$	13120
40	$\mathcal{O}(0; \{4, 5^2, 8, 40^3\})$	26112
40	$\mathcal{O}(0; \{2, 8, 10, 20, 40^3\})$	26112

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^3, 4, 40^4\})$	6656
40	$\mathcal{O}(0; \{4^3, 40^4\})$	26624
40	$\mathcal{O}(0; \{2, 8^2, 40^4\})$	53248
40	$\mathcal{O}(0; \{2, 5, 20, 40^4\})$	104960
42	$\mathcal{O}(2; \{42^2\})$	37340352
42	$\mathcal{O}(1; \{3^2, 6, 7, 14\})$	21168
42	$\mathcal{O}(1; \{2, 6^2, 7, 14\})$	21168
42	$\mathcal{O}(1; \{2, 3, 7, 21, 42\})$	105840
42	$\mathcal{O}(1; \{2^4, 42^2\})$	21168
42	$\mathcal{O}(1; \{3^3, 42^2\})$	105840
42	$\mathcal{O}(1; \{2, 3, 6, 42^2\})$	63504
42	$\mathcal{O}(0; \{6^2, 7^5\})$	2220
42	$\mathcal{O}(0; \{2^3, 3^4, 7, 14\})$	36
42	$\mathcal{O}(0; \{2^4, 3^2, 6, 7, 14\})$	12
42	$\mathcal{O}(0; \{3^5, 6, 7, 14\})$	132
42	$\mathcal{O}(0; \{2^5, 6^2, 7, 14\})$	12
42	$\mathcal{O}(0; \{2, 3^3, 6^2, 7, 14\})$	60
42	$\mathcal{O}(0; \{2^2, 3, 6^3, 7, 14\})$	36
42	$\mathcal{O}(0; \{6^5, 7, 14\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 14^3\})$	180
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 14^3\})$	60
42	$\mathcal{O}(0; \{2^3, 6^2, 14^3\})$	60
42	$\mathcal{O}(0; \{3, 6^3, 14^3\})$	180
42	$\mathcal{O}(0; \{3, 6, 7^3, 14, 21\})$	2220
42	$\mathcal{O}(0; \{2^2, 3^2, 7^2, 21^2\})$	1116
42	$\mathcal{O}(0; \{2^3, 6, 7^2, 21^2\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7^2, 21^2\})$	1860
42	$\mathcal{O}(0; \{3^2, 7, 14^2, 21^2\})$	6660
42	$\mathcal{O}(0; \{2, 6, 7, 14^2, 21^2\})$	2220
42	$\mathcal{O}(0; \{2^3, 3, 14, 21^3\})$	1116
42	$\mathcal{O}(0; \{3^2, 6, 14, 21^3\})$	4092
42	$\mathcal{O}(0; \{2, 6^2, 14, 21^3\})$	1860
42	$\mathcal{O}(0; \{2^2, 3^2, 7^2, 14, 42\})$	372
42	$\mathcal{O}(0; \{2^3, 6, 7^2, 14, 42\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7^2, 14, 42\})$	1116
42	$\mathcal{O}(0; \{3^2, 7, 14^3, 42\})$	2220
42	$\mathcal{O}(0; \{2, 6, 7, 14^3, 42\})$	2220
42	$\mathcal{O}(0; \{2^5, 3, 7, 21, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 7, 21, 42\})$	660
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 7, 21, 42\})$	300
42	$\mathcal{O}(0; \{2^3, 6^2, 7, 21, 42\})$	180
42	$\mathcal{O}(0; \{3, 6^3, 7, 21, 42\})$	660
42	$\mathcal{O}(0; \{2^3, 3, 14^2, 21, 42\})$	372

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3^2, 6, 14^2, 21, 42\})$	1860
42	$\mathcal{O}(0; \{2, 6^2, 14^2, 21, 42\})$	1116
42	$\mathcal{O}(0; \{2, 7^3, 21^2, 42\})$	13332
42	$\mathcal{O}(0; \{2, 3, 21^4, 42\})$	24420
42	$\mathcal{O}(0; \{2^8, 42^2\})$	12
42	$\mathcal{O}(0; \{2^4, 3^3, 42^2\})$	60
42	$\mathcal{O}(0; \{3^6, 42^2\})$	516
42	$\mathcal{O}(0; \{2^5, 3, 6, 42^2\})$	36
42	$\mathcal{O}(0; \{2, 3^4, 6, 42^2\})$	252
42	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 42^2\})$	132
42	$\mathcal{O}(0; \{2^3, 6^3, 42^2\})$	60
42	$\mathcal{O}(0; \{3, 6^4, 42^2\})$	252
42	$\mathcal{O}(0; \{2, 7^3, 14, 42^2\})$	13332
42	$\mathcal{O}(0; \{3^2, 7^2, 21, 42^2\})$	11100
42	$\mathcal{O}(0; \{2, 6, 7^2, 21, 42^2\})$	6660
42	$\mathcal{O}(0; \{2, 3, 14, 21^2, 42^2\})$	11100
42	$\mathcal{O}(0; \{2^3, 3, 7, 42^3\})$	1116
42	$\mathcal{O}(0; \{3^2, 6, 7, 42^3\})$	4092
42	$\mathcal{O}(0; \{2, 6^2, 7, 42^3\})$	1860
42	$\mathcal{O}(0; \{2, 3, 14^2, 42^3\})$	6660
43	$\mathcal{O}(0; \{43^6\})$	127651902
44	$\mathcal{O}(1; \{11^2, 44^2\})$	3523520
44	$\mathcal{O}(0; \{2^3, 4^2, 11^2, 22\})$	180
44	$\mathcal{O}(0; \{4^4, 11^2, 22\})$	720
44	$\mathcal{O}(0; \{2, 4^2, 11, 22^3\})$	1820
44	$\mathcal{O}(0; \{2^4, 11^2, 44^2\})$	1820
44	$\mathcal{O}(0; \{2, 4^2, 11^2, 44^2\})$	7280
44	$\mathcal{O}(0; \{2^2, 11, 22^2, 44^2\})$	18180
44	$\mathcal{O}(0; \{22^4, 44^2\})$	181820
44	$\mathcal{O}(0; \{11, 22, 44^4\})$	727280
45	$\mathcal{O}(1; \{9^2, 15, 45\})$	291600
45	$\mathcal{O}(1; \{5, 15, 45^2\})$	1263600
45	$\mathcal{O}(0; \{3^2, 5^2, 9^2, 45\})$	864
45	$\mathcal{O}(0; \{3^3, 9^2, 15, 45\})$	1152
45	$\mathcal{O}(0; \{3^2, 5^3, 45^2\})$	4896
45	$\mathcal{O}(0; \{3^3, 5, 15, 45^2\})$	4992
45	$\mathcal{O}(0; \{15^4, 45^2\})$	78720
45	$\mathcal{O}(0; \{9, 15^2, 45^3\})$	132192
45	$\mathcal{O}(0; \{9^2, 45^4\})$	277992
45	$\mathcal{O}(0; \{5, 45^5\})$	664200
48	$\mathcal{O}(1; \{3, 12, 16^2\})$	73728
48	$\mathcal{O}(1; \{3, 8, 16, 48\})$	147456
48	$\mathcal{O}(1; \{2^3, 48^2\})$	36864

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(1; \{4^2, 48^2\})$	147456
48	$\mathcal{O}(1; \{3, 6, 48^2\})$	110592
48	$\mathcal{O}(0; \{2^3, 3^2, 4, 16^2\})$	32
48	$\mathcal{O}(0; \{3^2, 4^3, 16^2\})$	128
48	$\mathcal{O}(0; \{3^3, 4, 6, 16^2\})$	96
48	$\mathcal{O}(0; \{2, 3, 4, 6^2, 16^2\})$	32
48	$\mathcal{O}(0; \{2, 3^2, 8^2, 16^2\})$	256
48	$\mathcal{O}(0; \{2^4, 3, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{3^4, 12, 16^2\})$	160
48	$\mathcal{O}(0; \{2, 3, 4^2, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 6, 12, 16^2\})$	96
48	$\mathcal{O}(0; \{2^2, 6^2, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{2^2, 4, 12^2, 16^2\})$	128
48	$\mathcal{O}(0; \{8^2, 12^2, 16^2\})$	1024
48	$\mathcal{O}(0; \{6, 12^3, 16^2\})$	384
48	$\mathcal{O}(0; \{6, 8, 12, 16^2, 24\})$	512
48	$\mathcal{O}(0; \{2^2, 3, 16^2, 24^2\})$	256
48	$\mathcal{O}(0; \{6^2, 16^2, 24^2\})$	768
48	$\mathcal{O}(0; \{4, 12, 16^2, 24^2\})$	1024
48	$\mathcal{O}(0; \{2^4, 3, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{3^4, 8, 16, 48\})$	320
48	$\mathcal{O}(0; \{2, 3, 4^2, 8, 16, 48\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 6, 8, 16, 48\})$	192
48	$\mathcal{O}(0; \{2^2, 6^2, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{2^2, 4, 8, 12, 16, 48\})$	256
48	$\mathcal{O}(0; \{8^3, 12, 16, 48\})$	2048
48	$\mathcal{O}(0; \{6, 8, 12^2, 16, 48\})$	768
48	$\mathcal{O}(0; \{2^2, 3, 16^3, 48\})$	1024
48	$\mathcal{O}(0; \{6^2, 16^3, 48\})$	1024
48	$\mathcal{O}(0; \{4, 12, 16^3, 48\})$	4096
48	$\mathcal{O}(0; \{2, 3^2, 4, 16, 24, 48\})$	384
48	$\mathcal{O}(0; \{2^2, 4, 6, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{6, 8^2, 16, 24, 48\})$	1024
48	$\mathcal{O}(0; \{2^2, 3, 12, 16, 24, 48\})$	384
48	$\mathcal{O}(0; \{6^2, 12, 16, 24, 48\})$	640
48	$\mathcal{O}(0; \{4, 12^2, 16, 24, 48\})$	1536
48	$\mathcal{O}(0; \{4, 8, 16, 24^2, 48\})$	2048
48	$\mathcal{O}(0; \{3, 16, 24^3, 48\})$	5120
48	$\mathcal{O}(0; \{2^7, 48^2\})$	16
48	$\mathcal{O}(0; \{2^3, 3^3, 48^2\})$	80
48	$\mathcal{O}(0; \{2^4, 4^2, 48^2\})$	64
48	$\mathcal{O}(0; \{3^3, 4^2, 48^2\})$	320
48	$\mathcal{O}(0; \{2, 4^4, 48^2\})$	256

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2^4, 3, 6, 48^2\})$	48
48	$\mathcal{O}(0; \{3^4, 6, 48^2\})$	336
48	$\mathcal{O}(0; \{2, 3, 4^2, 6, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 3^2, 6^2, 48^2\})$	176
48	$\mathcal{O}(0; \{2^2, 6^3, 48^2\})$	80
48	$\mathcal{O}(0; \{2^2, 4, 8^2, 48^2\})$	512
48	$\mathcal{O}(0; \{8^4, 48^2\})$	4096
48	$\mathcal{O}(0; \{2, 3^2, 4, 12, 48^2\})$	320
48	$\mathcal{O}(0; \{2^2, 4, 6, 12, 48^2\})$	192
48	$\mathcal{O}(0; \{6, 8^2, 12, 48^2\})$	1536
48	$\mathcal{O}(0; \{2^2, 3, 12^2, 48^2\})$	320
48	$\mathcal{O}(0; \{6^2, 12^2, 48^2\})$	704
48	$\mathcal{O}(0; \{4, 12^3, 48^2\})$	1280
48	$\mathcal{O}(0; \{4, 8, 16^2, 48^2\})$	8192
48	$\mathcal{O}(0; \{2^2, 3, 8, 24, 48^2\})$	768
48	$\mathcal{O}(0; \{6^2, 8, 24, 48^2\})$	1280
48	$\mathcal{O}(0; \{4, 8, 12, 24, 48^2\})$	3072
48	$\mathcal{O}(0; \{3, 16^2, 24, 48^2\})$	12288
48	$\mathcal{O}(0; \{4, 6, 24^2, 48^2\})$	2560
48	$\mathcal{O}(0; \{3, 12, 24^2, 48^2\})$	5632
48	$\mathcal{O}(0; \{4, 6, 16, 48^3\})$	6144
48	$\mathcal{O}(0; \{3, 12, 16, 48^3\})$	10240
48	$\mathcal{O}(0; \{3, 8, 48^4\})$	20480
49	$\mathcal{O}(0; \{7^4, 49^2\})$	54432
50	$\mathcal{O}(1; \{2, 10, 25^2\})$	200000
50	$\mathcal{O}(0; \{2^2, 5^3, 25^2\})$	1280
50	$\mathcal{O}(0; \{2^5, 10, 25^2\})$	80
50	$\mathcal{O}(0; \{5^2, 10^2, 25^2\})$	5120
50	$\mathcal{O}(0; \{2, 25^4, 50\})$	127500
50	$\mathcal{O}(0; \{5^3, 25, 50^2\})$	19200
50	$\mathcal{O}(0; \{2^3, 10, 25, 50^2\})$	1200
50	$\mathcal{O}(0; \{2, 10, 50^4\})$	26000
51	$\mathcal{O}(1; \{3^2, 17, 51\})$	83232
51	$\mathcal{O}(0; \{3^5, 17, 51\})$	352
51	$\mathcal{O}(0; \{3^2, 51^4\})$	84832
52	$\mathcal{O}(1; \{2, 4, 26, 52\})$	64896
52	$\mathcal{O}(0; \{4^2, 13^4\})$	3192
52	$\mathcal{O}(0; \{2^5, 4, 26, 52\})$	24
52	$\mathcal{O}(0; \{2^2, 4^3, 26, 52\})$	96
52	$\mathcal{O}(0; \{2^3, 4, 52^3\})$	1056
52	$\mathcal{O}(0; \{4^3, 52^3\})$	4224
54	$\mathcal{O}(0; \{2^3, 3, 27^2, 54\})$	324
54	$\mathcal{O}(0; \{3^2, 6, 27^2, 54\})$	1296

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
54	$\mathcal{O}(0; \{2, 6^2, 27^2, 54\})$	648
54	$\mathcal{O}(0; \{3^2, 9^2, 54^2\})$	2592
54	$\mathcal{O}(0; \{2, 6, 9^2, 54^2\})$	1296
54	$\mathcal{O}(0; \{2^3, 3, 18, 54^2\})$	216
54	$\mathcal{O}(0; \{3^2, 6, 18, 54^2\})$	864
54	$\mathcal{O}(0; \{2, 6^2, 18, 54^2\})$	432
54	$\mathcal{O}(0; \{2, 3, 27, 54^3\})$	8748
55	$\mathcal{O}(0; \{5^4, 11^2\})$	520
56	$\mathcal{O}(1; \{2^2, 56^2\})$	75264
56	$\mathcal{O}(0; \{2^3, 7^2, 8^2\})$	24
56	$\mathcal{O}(0; \{4^2, 7^2, 8^2\})$	96
56	$\mathcal{O}(0; \{2, 7, 8^2, 14^2\})$	120
56	$\mathcal{O}(0; \{2^3, 4, 7, 8, 56\})$	48
56	$\mathcal{O}(0; \{4^3, 7, 8, 56\})$	192
56	$\mathcal{O}(0; \{2, 7, 8^3, 56\})$	384
56	$\mathcal{O}(0; \{2, 4, 8, 14^2, 56\})$	240
56	$\mathcal{O}(0; \{2^6, 56^2\})$	24
56	$\mathcal{O}(0; \{2^3, 4^2, 56^2\})$	96
56	$\mathcal{O}(0; \{4^4, 56^2\})$	384
56	$\mathcal{O}(0; \{2, 4, 8^2, 56^2\})$	768
57	$\mathcal{O}(1; \{19, 57^2\})$	1988388
57	$\mathcal{O}(0; \{3^3, 19, 57^2\})$	3060
57	$\mathcal{O}(0; \{57^5\})$	994500
58	$\mathcal{O}(0; \{2^2, 29^4\})$	21196
58	$\mathcal{O}(0; \{29^3, 58^2\})$	593460
60	$\mathcal{O}(1; \{6, 20, 60\})$	57600
60	$\mathcal{O}(1; \{5, 60^2\})$	172800
60	$\mathcal{O}(0; \{4^2, 5^2, 6^2\})$	16
60	$\mathcal{O}(0; \{3, 4, 5^2, 6, 12\})$	16
60	$\mathcal{O}(0; \{3^2, 5^2, 12^2\})$	48
60	$\mathcal{O}(0; \{2, 5^2, 6, 12^2\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 10, 15^2\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 6, 10, 20\})$	16
60	$\mathcal{O}(0; \{2, 4, 6^2, 10, 20\})$	16
60	$\mathcal{O}(0; \{3^3, 10, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 6, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 5, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{2^2, 15^2, 20^2\})$	208
60	$\mathcal{O}(0; \{3, 4^2, 5, 6, 30\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 5, 12, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6, 12, 30\})$	16

Continued on next page

Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{2, 3, 5, 12^2, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 15, 20, 30\})$	48
60	$\mathcal{O}(0; \{2^2, 12, 15, 20, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 4^2, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 6, 30^2\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 12, 30^2\})$	48
60	$\mathcal{O}(0; \{2^2, 12^2, 30^2\})$	48
60	$\mathcal{O}(0; \{15, 20^2, 30^2\})$	816
60	$\mathcal{O}(0; \{12, 20, 30^3\})$	624
60	$\mathcal{O}(0; \{3^2, 4, 5, 10, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6, 10, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 10, 12, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 5^2, 15, 60\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 15^2, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 12, 15^2, 60\})$	144
60	$\mathcal{O}(0; \{2^3, 3^2, 20, 60\})$	16
60	$\mathcal{O}(0; \{3^2, 4^2, 20, 60\})$	64
60	$\mathcal{O}(0; \{2^4, 6, 20, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 6, 20, 60\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 6, 20, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 6^2, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 12, 20, 60\})$	64
60	$\mathcal{O}(0; \{2^2, 12^2, 20, 60\})$	64
60	$\mathcal{O}(0; \{2^2, 10, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{15, 20^3, 60\})$	3264
60	$\mathcal{O}(0; \{2, 3, 4, 10, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 10, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{15^2, 20, 30, 60\})$	2448
60	$\mathcal{O}(0; \{12, 20^2, 30, 60\})$	832
60	$\mathcal{O}(0; \{12, 15, 30^2, 60\})$	1040
60	$\mathcal{O}(0; \{10, 20, 30^2, 60\})$	816
60	$\mathcal{O}(0; \{2^4, 5, 60^2\})$	48
60	$\mathcal{O}(0; \{3^3, 5, 60^2\})$	240
60	$\mathcal{O}(0; \{2, 4^2, 5, 60^2\})$	192
60	$\mathcal{O}(0; \{2, 3, 5, 6, 60^2\})$	144
60	$\mathcal{O}(0; \{2^2, 10^2, 60^2\})$	208
60	$\mathcal{O}(0; \{15^3, 60^2\})$	4080
60	$\mathcal{O}(0; \{12, 15, 20, 60^2\})$	2496
60	$\mathcal{O}(0; \{10, 20^2, 60^2\})$	3264
60	$\mathcal{O}(0; \{2, 3^2, 30, 60^2\})$	240
60	$\mathcal{O}(0; \{2^2, 6, 30, 60^2\})$	144
60	$\mathcal{O}(0; \{12^2, 30, 60^2\})$	960
60	$\mathcal{O}(0; \{10, 15, 30, 60^2\})$	2448

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{10, 12, 60^3\})$	2496
60	$\mathcal{O}(0; \{6, 60^4\})$	4160
63	$\mathcal{O}(1; \{3, 63^2\})$	285768
63	$\mathcal{O}(0; \{9^2, 21^3\})$	1440
63	$\mathcal{O}(0; \{7, 9, 21^2, 63\})$	4464
63	$\mathcal{O}(0; \{3^4, 63^2\})$	576
63	$\mathcal{O}(0; \{9^3, 63^2\})$	4860
63	$\mathcal{O}(0; \{7^2, 21, 63^2\})$	13320
64	$\mathcal{O}(0; \{2^2, 4, 8, 64^2\})$	256
64	$\mathcal{O}(0; \{8^3, 64^2\})$	2048
64	$\mathcal{O}(0; \{4, 16^2, 64^2\})$	4096
65	$\mathcal{O}(0; \{5, 13^3, 65\})$	6384
65	$\mathcal{O}(0; \{5^2, 65^3\})$	26928
66	$\mathcal{O}(0; \{2^2, 3, 11, 33^2\})$	180
66	$\mathcal{O}(0; \{6^2, 11, 33^2\})$	540
66	$\mathcal{O}(0; \{3, 22^2, 33^2\})$	1820
66	$\mathcal{O}(0; \{2^2, 3, 11, 22, 66\})$	180
66	$\mathcal{O}(0; \{6^2, 11, 22, 66\})$	180
66	$\mathcal{O}(0; \{3, 22^3, 66\})$	1820
66	$\mathcal{O}(0; \{3, 11, 33, 66^2\})$	5460
68	$\mathcal{O}(0; \{2^2, 4^2, 34^2\})$	32
68	$\mathcal{O}(0; \{2^3, 34, 68^2\})$	480
68	$\mathcal{O}(0; \{4^2, 34, 68^2\})$	1920
68	$\mathcal{O}(0; \{2, 68^4\})$	30848
70	$\mathcal{O}(0; \{7^3, 10^2\})$	120
70	$\mathcal{O}(0; \{2^3, 14, 35^2\})$	120
70	$\mathcal{O}(0; \{5^2, 7, 14, 70\})$	360
70	$\mathcal{O}(0; \{5^3, 70^2\})$	1224
70	$\mathcal{O}(0; \{2^3, 10, 70^2\})$	72
70	$\mathcal{O}(0; \{2, 14, 35, 70^2\})$	2232
72	$\mathcal{O}(0; \{3, 8^2, 18^2\})$	48
72	$\mathcal{O}(0; \{2, 18^2, 24^2\})$	96
72	$\mathcal{O}(0; \{3, 8, 9^2, 72\})$	144
72	$\mathcal{O}(0; \{2^3, 8, 18, 72\})$	24
72	$\mathcal{O}(0; \{4^2, 8, 18, 72\})$	96
72	$\mathcal{O}(0; \{3, 6, 8, 18, 72\})$	96
72	$\mathcal{O}(0; \{3, 4, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{2, 12, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{2, 9, 24, 36, 72\})$	288
72	$\mathcal{O}(0; \{2, 8, 36^2, 72\})$	288
72	$\mathcal{O}(0; \{2^2, 3^2, 72^2\})$	96
72	$\mathcal{O}(0; \{2^3, 6, 72^2\})$	48
72	$\mathcal{O}(0; \{4^2, 6, 72^2\})$	192

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{3, 6^2, 72^2\})$	192
72	$\mathcal{O}(0; \{3, 4, 12, 72^2\})$	384
72	$\mathcal{O}(0; \{2, 12^2, 72^2\})$	384
72	$\mathcal{O}(0; \{2, 9, 18, 72^2\})$	648
72	$\mathcal{O}(0; \{2, 8, 24, 72^2\})$	768
75	$\mathcal{O}(0; \{3^2, 25^3\})$	600
75	$\mathcal{O}(0; \{3, 5^2, 25, 75\})$	640
75	$\mathcal{O}(0; \{3^2, 15, 25, 75\})$	480
76	$\mathcal{O}(0; \{2^3, 4, 19, 76\})$	36
76	$\mathcal{O}(0; \{4^3, 19, 76\})$	144
76	$\mathcal{O}(0; \{2, 4, 38^2, 76\})$	612
78	$\mathcal{O}(0; \{2^3, 3, 39, 78\})$	24
78	$\mathcal{O}(0; \{3^2, 6, 39, 78\})$	120
78	$\mathcal{O}(0; \{2, 6^2, 39, 78\})$	72
78	$\mathcal{O}(0; \{2, 3, 78^3\})$	792
80	$\mathcal{O}(0; \{2, 5, 10, 16^2\})$	32
80	$\mathcal{O}(0; \{2, 4, 10, 16, 80\})$	64
80	$\mathcal{O}(0; \{2, 5^2, 80^2\})$	416
83	$\mathcal{O}(2; \emptyset)$	47458320
84	$\mathcal{O}(1; \{84^2\})$	169344
84	$\mathcal{O}(0; \{3, 4^2, 7, 21\})$	24
84	$\mathcal{O}(0; \{2, 4, 7, 12, 21\})$	24
84	$\mathcal{O}(0; \{3^2, 4, 14, 28\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 14, 28\})$	24
84	$\mathcal{O}(0; \{2, 3, 7, 28, 84\})$	120
84	$\mathcal{O}(0; \{2^4, 84^2\})$	24
84	$\mathcal{O}(0; \{3^3, 84^2\})$	120
84	$\mathcal{O}(0; \{2, 4^2, 84^2\})$	96
84	$\mathcal{O}(0; \{2, 3, 6, 84^2\})$	72
85	$\mathcal{O}(0; \{85^4\})$	200512
86	$\mathcal{O}(0; \{2^2, 43^3\})$	1722
86	$\mathcal{O}(0; \{43^2, 86^2\})$	72366
87	$\mathcal{O}(0; \{29^2, 87^2\})$	42392
88	$\mathcal{O}(0; \{2^2, 11, 88^2\})$	360
88	$\mathcal{O}(0; \{22^2, 88^2\})$	3640
90	$\mathcal{O}(0; \{2^2, 9, 45^2\})$	72
90	$\mathcal{O}(0; \{18^2, 45^2\})$	648
90	$\mathcal{O}(0; \{2, 3, 5, 9, 90\})$	48
90	$\mathcal{O}(0; \{2^2, 9, 30, 90\})$	48
90	$\mathcal{O}(0; \{18^2, 30, 90\})$	144
90	$\mathcal{O}(0; \{15, 18, 45, 90\})$	432
90	$\mathcal{O}(0; \{10, 45^2, 90\})$	936
90	$\mathcal{O}(0; \{15^2, 90^2\})$	1248

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
90	$\mathcal{O}(0; \{10, 30, 90^2\})$	624
90	$\mathcal{O}(0; \{9, 45, 90^2\})$	1944
91	$\mathcal{O}(0; \{13^2, 91^2\})$	9576
91	$\mathcal{O}(0; \{7, 91^3\})$	24552
96	$\mathcal{O}(0; \{6, 24, 32^2\})$	128
96	$\mathcal{O}(0; \{6, 16, 32, 96\})$	256
96	$\mathcal{O}(0; \{2^2, 4, 96^2\})$	64
96	$\mathcal{O}(0; \{8^2, 96^2\})$	512
96	$\mathcal{O}(0; \{6, 12, 96^2\})$	192
98	$\mathcal{O}(0; \{7^2, 98^2\})$	1512
99	$\mathcal{O}(0; \{9^2, 11, 99\})$	180
100	$\mathcal{O}(0; \{4, 20, 50^2\})$	160
100	$\mathcal{O}(0; \{4, 25^2, 100\})$	600
102	$\mathcal{O}(0; \{2^2, 3, 51^2\})$	32
102	$\mathcal{O}(0; \{6^2, 51^2\})$	96
102	$\mathcal{O}(0; \{2^2, 3, 34, 102\})$	32
102	$\mathcal{O}(0; \{6^2, 34, 102\})$	32
102	$\mathcal{O}(0; \{3, 51, 102^2\})$	1440
104	$\mathcal{O}(0; \{8^2, 13^2\})$	48
104	$\mathcal{O}(0; \{4, 8, 52, 104\})$	192
105	$\mathcal{O}(0; \{7^2, 15^2\})$	48
105	$\mathcal{O}(0; \{5, 7, 15, 105\})$	144
105	$\mathcal{O}(0; \{3, 21, 35, 105\})$	240
105	$\mathcal{O}(0; \{5^2, 105^2\})$	624
105	$\mathcal{O}(0; \{3, 15, 105^2\})$	432
108	$\mathcal{O}(0; \{4, 6, 27, 108\})$	72
108	$\mathcal{O}(0; \{3, 12, 27, 108\})$	144
108	$\mathcal{O}(0; \{3, 9, 108^2\})$	432
110	$\mathcal{O}(0; \{5^2, 22^2\})$	40
112	$\mathcal{O}(0; \{2^3, 112^2\})$	48
112	$\mathcal{O}(0; \{4^2, 112^2\})$	192
114	$\mathcal{O}(0; \{3, 6, 38, 57\})$	36
114	$\mathcal{O}(0; \{2, 57^2, 114\})$	612
114	$\mathcal{O}(0; \{2, 38, 114^2\})$	612
116	$\mathcal{O}(0; \{4^2, 29^2\})$	56
120	$\mathcal{O}(0; \{2, 15, 24, 120\})$	32
120	$\mathcal{O}(0; \{3, 4, 40, 120\})$	64
120	$\mathcal{O}(0; \{2, 12, 40, 120\})$	64
120	$\mathcal{O}(0; \{2, 10, 120^2\})$	96
126	$\mathcal{O}(0; \{3^2, 126^2\})$	144
126	$\mathcal{O}(0; \{2, 6, 126^2\})$	72
129	$\mathcal{O}(0; \{3^2, 43^2\})$	84
130	$\mathcal{O}(0; \{2, 5, 65, 130\})$	144

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
144	$\mathcal{O}(0; \{2, 3, 144^2\})$	96
166	$\mathcal{O}(1; \{2^2\})$	27552
168	$\mathcal{O}(0; \{2^2, 168^2\})$	48
169	$\mathcal{O}(0; \{169^3\})$	22308
170	$\mathcal{O}(0; \{2^2, 85^2\})$	64
170	$\mathcal{O}(0; \{85, 170^2\})$	2880
171	$\mathcal{O}(0; \{57, 171^2\})$	3672
172	$\mathcal{O}(0; \{43, 172^2\})$	3444
174	$\mathcal{O}(0; \{29, 174^2\})$	1512
175	$\mathcal{O}(0; \{25, 175^2\})$	1800
176	$\mathcal{O}(0; \{22, 176^2\})$	720
180	$\mathcal{O}(0; \{20, 45, 180\})$	144
180	$\mathcal{O}(0; \{18, 60, 180\})$	96
180	$\mathcal{O}(0; \{15, 180^2\})$	288
182	$\mathcal{O}(0; \{14, 91, 182\})$	360
182	$\mathcal{O}(0; \{13, 182^2\})$	792
189	$\mathcal{O}(0; \{9, 189^2\})$	648
192	$\mathcal{O}(0; \{8, 192^2\})$	256
195	$\mathcal{O}(0; \{13, 15, 195\})$	96
196	$\mathcal{O}(0; \{7, 196^2\})$	504
198	$\mathcal{O}(0; \{9, 22, 198\})$	60
200	$\mathcal{O}(0; \{8, 25, 200\})$	80
203	$\mathcal{O}(0; \{7, 29, 203\})$	168
204	$\mathcal{O}(0; \{6, 68, 204\})$	64
210	$\mathcal{O}(0; \{5, 210^2\})$	144
215	$\mathcal{O}(0; \{5, 43, 215\})$	168
224	$\mathcal{O}(0; \{4, 224^2\})$	192
228	$\mathcal{O}(0; \{4, 57, 228\})$	72
252	$\mathcal{O}(0; \{3, 252^2\})$	144
255	$\mathcal{O}(0; \{3, 85, 255\})$	128
336	$\mathcal{O}(0; \{2, 336^2\})$	96
338	$\mathcal{O}(0; \{2, 169, 338\})$	156

Table 5: 85-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(85; \emptyset)$	1
2	$\mathcal{O}(43; \emptyset)$	77371252455336267181195263
2	$\mathcal{O}(42; \{2^4\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^8\})$	4835703278458516698824704
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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(40; \{2^{12}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{16}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{20}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{24}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{28}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{32}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{36}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{40}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{44}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{48}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{52}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{56}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{60}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{64}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{68}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{72}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{76}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{80}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{84}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{88}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{92}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{96}\})$	274877906944
2	$\mathcal{O}(18; \{2^{100}\})$	68719476736
2	$\mathcal{O}(17; \{2^{104}\})$	17179869184
2	$\mathcal{O}(16; \{2^{108}\})$	4294967296
2	$\mathcal{O}(15; \{2^{112}\})$	1073741824
2	$\mathcal{O}(14; \{2^{116}\})$	268435456
2	$\mathcal{O}(13; \{2^{120}\})$	67108864
2	$\mathcal{O}(12; \{2^{124}\})$	16777216
2	$\mathcal{O}(11; \{2^{128}\})$	4194304
2	$\mathcal{O}(10; \{2^{132}\})$	1048576
2	$\mathcal{O}(9; \{2^{136}\})$	262144
2	$\mathcal{O}(8; \{2^{140}\})$	65536
2	$\mathcal{O}(7; \{2^{144}\})$	16384
2	$\mathcal{O}(6; \{2^{148}\})$	4096
2	$\mathcal{O}(5; \{2^{152}\})$	1024
2	$\mathcal{O}(4; \{2^{156}\})$	256
2	$\mathcal{O}(3; \{2^{160}\})$	64
2	$\mathcal{O}(2; \{2^{164}\})$	16
2	$\mathcal{O}(1; \{2^{168}\})$	4
2	$\mathcal{O}(0; \{2^{172}\})$	1
3	$\mathcal{O}(29; \emptyset)$	4710128697246244834921603688
3	$\mathcal{O}(28; \{3^3\})$	1046695266054721074427023042

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(27; \{3^6\})$	1279294214066881313188583718
3	$\mathcal{O}(26; \{3^9\})$	1098383921168534460818480970
3	$\mathcal{O}(25; \{3^{12}\})$	980648651187070636260160134
3	$\mathcal{O}(24; \{3^{15}\})$	871209091285601552727628842
3	$\mathcal{O}(23; \{3^{18}\})$	774461258771474850764467878
3	$\mathcal{O}(22; \{3^{21}\})$	688404099171453432345463050
3	$\mathcal{O}(21; \{3^{24}\})$	611915411333004506714566854
3	$\mathcal{O}(20; \{3^{27}\})$	543924737127789029404708842
3	$\mathcal{O}(19; \{3^{30}\})$	483488663329811665508804838
3	$\mathcal{O}(18; \{3^{33}\})$	429767699837042557559165130
3	$\mathcal{O}(17; \{3^{36}\})$	382015733288545363583923974
3	$\mathcal{O}(16; \{3^{39}\})$	339569540689811090941488042
3	$\mathcal{O}(15; \{3^{42}\})$	301839591725511872073890598
3	$\mathcal{O}(14; \{3^{45}\})$	268301859311428847755395210
3	$\mathcal{O}(13; \{3^{48}\})$	238490541610174226977543494
3	$\mathcal{O}(12; \{3^{51}\})$	211991592542375396069486442
3	$\mathcal{O}(11; \{3^{54}\})$	188436971148778318125901158
3	$\mathcal{O}(10; \{3^{57}\})$	167499529910025150746761290
3	$\mathcal{O}(9; \{3^{60}\})$	148888471031133469654977414
3	$\mathcal{O}(8; \{3^{63}\})$	132345307583229750546144042
3	$\mathcal{O}(7; \{3^{66}\})$	117640273407315333847492518
3	$\mathcal{O}(6; \{3^{69}\})$	104569131917613630083471370
3	$\mathcal{O}(5; \{3^{72}\})$	92950339482323226741217734
3	$\mathcal{O}(4; \{3^{75}\})$	82622523984287312658820842
3	$\mathcal{O}(3; \{3^{78}\})$	73442243541588722363400678
3	$\mathcal{O}(2; \{3^{81}\})$	65281994259189975434133450
3	$\mathcal{O}(1; \{3^{84}\})$	58028439341502200385896454
3	$\mathcal{O}(0; \{3^{87}\})$	51580834970224178120796842
4	$\mathcal{O}(22; \emptyset)$	309485009821327476538736640
4	$\mathcal{O}(21; \{2^4\})$	19342813113829668748787712
4	$\mathcal{O}(21; \{2, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(20; \{2^8\})$	1208925819613529663078400
4	$\mathcal{O}(20; \{2^5, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^2, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{2^{12}\})$	75557863725639445512192
4	$\mathcal{O}(19; \{2^9, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^6, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^3, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{4^8\})$	9671406556917033397649408
4	$\mathcal{O}(18; \{2^{16}\})$	4722366482800925736960
4	$\mathcal{O}(18; \{2^{13}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{10}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^7, 4^6\})$	151115727451828646838272

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(18; \{2^4, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(17; \{2^{20}\})$	295147905162172956672
4	$\mathcal{O}(17; \{2^{17}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{14}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{11}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^8, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^5, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^2, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{2^{24}\})$	18446744069414584320
4	$\mathcal{O}(16; \{2^{21}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{18}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{15}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{12}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^9, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^6, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^3, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(15; \{2^{28}\})$	1152921503533105152
4	$\mathcal{O}(15; \{2^{25}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{22}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{19}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{16}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{13}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{10}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^7, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^4, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(14; \{2^{32}\})$	72057593769492480
4	$\mathcal{O}(14; \{2^{29}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{26}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{23}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{20}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{17}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{14}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{11}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^8, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^5, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^2, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{2^{36}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^{33}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{30}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{27}, 4^6\})$	144115188075855872

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(13; \{2^{24}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{21}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{18}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{15}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{12}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^9, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^6, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^3, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(12; \{2^{40}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{37}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{34}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{31}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{28}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{25}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{22}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{19}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{16}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{13}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{10}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^7, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^4, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(11; \{2^{44}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{41}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{38}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{35}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{32}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{29}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{26}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{23}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{20}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{17}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{14}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{11}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^8, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^5, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^2, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(10; \{2^{48}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{45}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{42}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{39}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{36}, 4^8\})$	140737488355328

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{33}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{30}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{27}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{24}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{21}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{18}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{15}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{12}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^9, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^6, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^3, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{4^{32}\})$	2361183241434822606848
4	$\mathcal{O}(9; \{2^{52}\})$	68719214592
4	$\mathcal{O}(9; \{2^{49}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{46}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{43}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{40}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{37}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{34}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{31}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{28}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{25}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{22}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{19}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{16}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{13}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{10}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^7, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^4, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(8; \{2^{56}\})$	4294901760
4	$\mathcal{O}(8; \{2^{53}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{50}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{47}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{44}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{41}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{38}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{35}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{32}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{29}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{26}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{23}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{20}, 4^{24}\})$	36028797018963968

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{17}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{14}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{11}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^8, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^5, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^2, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(7; \{2^{60}\})$	268419072
4	$\mathcal{O}(7; \{2^{57}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{54}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{51}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{48}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{45}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{42}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{39}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{36}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{33}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{30}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{27}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{24}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{21}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{18}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{15}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{12}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^9, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^6, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^3, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{4^{40}\})$	147573952589676412928
4	$\mathcal{O}(6; \{2^{64}\})$	16773120
4	$\mathcal{O}(6; \{2^{61}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{58}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{55}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{52}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{49}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{46}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{43}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{40}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{37}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{34}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{31}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{28}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{25}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{22}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{19}, 4^{30}\})$	9007199254740992

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{16}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{13}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{10}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^7, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^4, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(5; \{2^{68}\})$	1047552
4	$\mathcal{O}(5; \{2^{65}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{62}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{59}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{56}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{53}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{50}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{47}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{44}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{41}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{38}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{35}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{32}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{29}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{26}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{23}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{20}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{17}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{14}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{11}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^8, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^5, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^2, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(4; \{2^{72}\})$	65280
4	$\mathcal{O}(4; \{2^{69}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{66}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{63}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{60}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{57}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{54}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{51}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{48}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{45}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{42}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{39}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{36}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{33}, 4^{26}\})$	2199023255552

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{30}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{27}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{24}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{21}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{18}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{15}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{12}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^9, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^6, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^3, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{4^{48}\})$	9223372036854775808
4	$\mathcal{O}(3; \{2^{76}\})$	4032
4	$\mathcal{O}(3; \{2^{73}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{70}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{67}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{64}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{61}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{58}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{55}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{52}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{49}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{46}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{43}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{40}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{37}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{34}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{31}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{28}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{25}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{22}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{19}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{16}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{13}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{10}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^7, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^4, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{2, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(2; \{2^{80}\})$	240
4	$\mathcal{O}(2; \{2^{77}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{74}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{71}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{68}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{65}, 4^{10}\})$	131072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{62}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{59}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{56}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{53}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{50}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{47}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{44}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{41}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{38}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{35}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{32}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{29}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{26}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{23}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{20}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{17}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{14}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{11}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^8, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^5, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^2, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(1; \{2^{84}\})$	12
4	$\mathcal{O}(1; \{2^{81}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{78}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{75}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{72}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{69}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{66}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{63}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{60}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{57}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{54}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{51}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{48}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{45}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{42}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{39}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{36}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{33}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{30}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{27}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{24}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{21}, 4^{42}\})$	35184372088832

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{18}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{15}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{12}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^9, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^6, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^3, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{4^{56}\})$	576460752303423488
4	$\mathcal{O}(0; \{2^{85}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{82}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{79}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{76}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{73}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{70}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{67}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{64}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{61}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{58}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{55}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{52}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{49}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{46}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{43}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{40}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{37}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{34}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{31}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{28}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{25}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{22}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{19}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{16}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{13}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{10}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^7, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^4, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2, 4^{58}\})$	144115188075855872
5	$\mathcal{O}(17; \{5^2\})$	2328306436538696289062500
5	$\mathcal{O}(15; \{5^7\})$	3051012754440307617187500
5	$\mathcal{O}(13; \{5^{12}\})$	5000001192092895507812500
5	$\mathcal{O}(11; \{5^{17}\})$	819199998092651367187500
5	$\mathcal{O}(9; \{5^{22}\})$	13421772800003051757812500
5	$\mathcal{O}(7; \{5^{27}\})$	21990232555519995117187500
5	$\mathcal{O}(5; \{5^{32}\})$	36028797018963968007812500

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(3; \{5^{37}\})$	59029581035870565171187500
5	$\mathcal{O}(1; \{5^{42}\})$	96714065569170333976494100
6	$\mathcal{O}(15; \emptyset)$	221073919514841152063304
6	$\mathcal{O}(14; \{2^4\})$	6140942214464547061760
6	$\mathcal{O}(14; \{3^3\})$	12281884383176046084510
6	$\mathcal{O}(14; \{2, 3, 6\})$	12281884428929630994432
6	$\mathcal{O}(13; \{2^8\})$	170581728179511099392
6	$\mathcal{O}(13; \{2^4, 3^3\})$	341163456359156416512
6	$\mathcal{O}(13; \{3^6\})$	3752797964029672358394
6	$\mathcal{O}(13; \{2^5, 3, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2, 3^4, 6\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^2, 3^2, 6^2\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2^3, 6^3\})$	341163456359156416512
6	$\mathcal{O}(13; \{3, 6^4\})$	1705817281795782082560
6	$\mathcal{O}(12; \{2^{12}\})$	4738381338304839680
6	$\mathcal{O}(12; \{2^8, 3^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^4, 3^6\})$	104244389443075571712
6	$\mathcal{O}(12; \{3^9\})$	805524779501653670550
6	$\mathcal{O}(12; \{2^9, 3, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^5, 3^4, 6\})$	47383813383216168960
6	$\mathcal{O}(12; \{2, 3^7, 6\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^6, 3^2, 6^2\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^2, 3^5, 6^2\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^7, 6^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^3, 3^3, 6^3\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^4, 3, 6^4\})$	47383813383216168960
6	$\mathcal{O}(12; \{3^4, 6^4\})$	407500795095659053056
6	$\mathcal{O}(12; \{2, 3^2, 6^5\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^2, 6^6\})$	104244389443075571712
6	$\mathcal{O}(11; \{2^{16}\})$	131621703838072832
6	$\mathcal{O}(11; \{2^{12}, 3^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^8, 3^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^4, 3^9\})$	22375689653185413120
6	$\mathcal{O}(11; \{3^{12}\})$	179795204582009481882
6	$\mathcal{O}(11; \{2^{13}, 3, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^9, 3^4, 6\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^5, 3^7, 6\})$	11319466530434973696
6	$\mathcal{O}(11; \{2, 3^{10}, 6\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{10}, 3^2, 6^2\})$	789730223053602816
6	$\mathcal{O}(11; \{2^6, 3^5, 6^2\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^2, 3^8, 6^2\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^{11}, 6^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^7, 3^3, 6^3\})$	2895677484529876992

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(11; \{2^3, 3^6, 6^3\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^8, 3, 6^4\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^4, 3^4, 6^4\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^7, 6^4\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^5, 3^2, 6^5\})$	5528111561375219712
6	$\mathcal{O}(11; \{2, 3^5, 6^5\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^6, 6^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^2, 3^3, 6^6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^3, 3, 6^7\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^2, 6^8\})$	45014622714055360512
6	$\mathcal{O}(11; \{2, 6^9\})$	22375689653185413120
6	$\mathcal{O}(10; \{2^{20}\})$	3656158439014400
6	$\mathcal{O}(10; \{2^{16}, 3^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{12}, 3^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^8, 3^9\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 3^{12}\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^{15}\})$	39932524399708596150
6	$\mathcal{O}(10; \{2^{17}, 3, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{13}, 3^4, 6\})$	36561584400629760
6	$\mathcal{O}(10; \{2^9, 3^7, 6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^5, 3^{10}, 6\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^{13}, 6\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{14}, 3^2, 6^2\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{10}, 3^5, 6^2\})$	153558654482644992
6	$\mathcal{O}(10; \{2^6, 3^8, 6^2\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^{11}, 6^2\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{15}, 6^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{11}, 3^3, 6^3\})$	80435485681385472
6	$\mathcal{O}(10; \{2^7, 3^6, 6^3\})$	621546934810705920
6	$\mathcal{O}(10; \{2^3, 3^9, 6^3\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^{12}, 3, 6^4\})$	36561584400629760
6	$\mathcal{O}(10; \{2^8, 3^4, 6^4\})$	314429625845415936
6	$\mathcal{O}(10; \{2^4, 3^7, 6^4\})$	2493500056122949632
6	$\mathcal{O}(10; \{3^{10}, 6^4\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^9, 3^2, 6^5\})$	153558654482644992
6	$\mathcal{O}(10; \{2^5, 3^5, 6^5\})$	1250406186501537792
6	$\mathcal{O}(10; \{2, 3^8, 6^5\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{10}, 6^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^6, 3^3, 6^6\})$	621546934810705920
6	$\mathcal{O}(10; \{2^2, 3^6, 6^6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^7, 3, 6^7\})$	314429625845415936
6	$\mathcal{O}(10; \{2^3, 3^4, 6^7\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^4, 3^2, 6^8\})$	1250406186501537792

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{3^5, 6^8\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^5, 6^9\})$	621546934810705920
6	$\mathcal{O}(10; \{2, 3^3, 6^9\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^2, 3, 6^{10}\})$	2493500056122949632
6	$\mathcal{O}(10; \{6^{12}\})$	4994312429126025216
6	$\mathcal{O}(9; \{2^{24}\})$	101559956406272
6	$\mathcal{O}(9; \{2^{20}, 3^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^{16}, 3^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{12}, 3^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^8, 3^{12}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^{15}\})$	1109237846732439552
6	$\mathcal{O}(9; \{3^{18}\})$	8874478280022357114
6	$\mathcal{O}(9; \{2^{21}, 3, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{17}, 3^4, 6\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{13}, 3^7, 6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^9, 3^{10}, 6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^{13}, 6\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^{16}, 6\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{18}, 3^2, 6^2\})$	609359740010496
6	$\mathcal{O}(9; \{2^{14}, 3^5, 6^2\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{10}, 3^8, 6^2\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^{11}, 6^2\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^{14}, 6^2\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{19}, 6^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^{15}, 3^3, 6^3\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{11}, 3^6, 6^3\})$	17265192633630720
6	$\mathcal{O}(9; \{2^7, 3^9, 6^3\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^{12}, 6^3\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{16}, 3, 6^4\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{12}, 3^4, 6^4\})$	8734156273483776
6	$\mathcal{O}(9; \{2^8, 3^7, 6^4\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^{10}, 6^4\})$	554720483322888192
6	$\mathcal{O}(9; \{3^{13}, 6^4\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{13}, 3^2, 6^5\})$	4265518180073472
6	$\mathcal{O}(9; \{2^9, 3^5, 6^5\})$	34733505180598272
6	$\mathcal{O}(9; \{2^5, 3^8, 6^5\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^{11}, 6^5\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{14}, 6^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{10}, 3^3, 6^6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^6, 3^6, 6^6\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^9, 6^6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{11}, 3, 6^7\})$	8734156273483776
6	$\mathcal{O}(9; \{2^7, 3^4, 6^7\})$	69263890447859712

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^3, 3^7, 6^7\})$	554720483322888192
6	$\mathcal{O}(9; \{2^8, 3^2, 6^8\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^5, 6^8\})$	277258681704775680
6	$\mathcal{O}(9; \{3^8, 6^8\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^9, 6^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^5, 3^3, 6^9\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^6, 6^9\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^6, 3, 6^{10}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^2, 3^4, 6^{10}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^3, 3^2, 6^{11}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 6^{12}\})$	138730900809056256
6	$\mathcal{O}(9; \{3^3, 6^{12}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2, 3, 6^{13}\})$	554720483322888192
6	$\mathcal{O}(8; \{2^{28}\})$	2821109841920
6	$\mathcal{O}(8; \{2^{24}, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{20}, 3^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{16}, 3^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^{12}, 3^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^{15}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^{18}\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{21}\})$	1972066788996801750
6	$\mathcal{O}(8; \{2^{25}, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{21}, 3^4, 6\})$	28211099074560
6	$\mathcal{O}(8; \{2^{17}, 3^7, 6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{13}, 3^{10}, 6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^9, 3^{13}, 6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^{16}, 6\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^{19}, 6\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{22}, 3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{2^{18}, 3^5, 6^2\})$	118486616113152
6	$\mathcal{O}(8; \{2^{14}, 3^8, 6^2\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^{11}, 6^2\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^{14}, 6^2\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^{17}, 6^2\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{23}, 6^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{19}, 3^3, 6^3\})$	62064417964032
6	$\mathcal{O}(8; \{2^{15}, 3^6, 6^3\})$	479588684267520
6	$\mathcal{O}(8; \{2^{11}, 3^9, 6^3\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^{12}, 6^3\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^{15}, 6^3\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{20}, 3, 6^4\})$	28211099074560
6	$\mathcal{O}(8; \{2^{16}, 3^4, 6^4\})$	242615452041216
6	$\mathcal{O}(8; \{2^{12}, 3^7, 6^4\})$	1923996956884992

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^8, 3^{10}, 6^4\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^{13}, 6^4\})$	123254291856752640
6	$\mathcal{O}(8; \{3^{16}, 6^4\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{17}, 3^2, 6^5\})$	118486616113152
6	$\mathcal{O}(8; \{2^{13}, 3^5, 6^5\})$	964819588349952
6	$\mathcal{O}(8; \{2^9, 3^8, 6^5\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^{11}, 6^5\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^{14}, 6^5\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{18}, 6^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{14}, 3^3, 6^6\})$	479588684267520
6	$\mathcal{O}(8; \{2^{10}, 3^6, 6^6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^9, 6^6\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^{12}, 6^6\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{15}, 3, 6^7\})$	242615452041216
6	$\mathcal{O}(8; \{2^{11}, 3^4, 6^7\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^7, 6^7\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^{10}, 6^7\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{12}, 3^2, 6^8\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^5, 6^8\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^8, 6^8\})$	61629967038283776
6	$\mathcal{O}(8; \{3^{11}, 6^8\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{13}, 6^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^9, 3^3, 6^9\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^6, 6^9\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^9, 6^9\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{10}, 3, 6^{10}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^6, 3^4, 6^{10}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^7, 6^{10}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^7, 3^2, 6^{11}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^5, 6^{11}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^8, 6^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^4, 3^3, 6^{12}\})$	30812162409234432
6	$\mathcal{O}(8; \{3^6, 6^{12}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^5, 3, 6^{13}\})$	15408902314524672
6	$\mathcal{O}(8; \{2, 3^4, 6^{13}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^2, 6^{14}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 6^{15}\})$	30812162409234432
6	$\mathcal{O}(8; \{3, 6^{16}\})$	123254291856752640
6	$\mathcal{O}(7; \{2^{32}\})$	78364147712
6	$\mathcal{O}(7; \{2^{28}, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{24}, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{20}, 3^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{16}, 3^{12}\})$	107045448155136

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{12}, 3^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^{18}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{21}\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{24}\})$	438217473170921562
6	$\mathcal{O}(7; \{2^{29}, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{25}, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^{21}, 3^7, 6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{17}, 3^{10}, 6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^{13}, 6\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^{16}, 6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^{19}, 6\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{22}, 6\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{26}, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^{22}, 3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{2^{18}, 3^8, 6^2\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^{11}, 6^2\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^{14}, 6^2\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^{17}, 6^2\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{20}, 6^2\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{27}, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{23}, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2^{19}, 3^6, 6^3\})$	13321907896320
6	$\mathcal{O}(7; \{2^{15}, 3^9, 6^3\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^{12}, 6^3\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^{15}, 6^3\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{18}, 6^3\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{24}, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{2^{20}, 3^4, 6^4\})$	6739318112256
6	$\mathcal{O}(7; \{2^{16}, 3^7, 6^4\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^{10}, 6^4\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^{13}, 6^4\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{16}, 6^4\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{19}, 6^4\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{21}, 3^2, 6^5\})$	3291294892032
6	$\mathcal{O}(7; \{2^{17}, 3^5, 6^5\})$	26800544120832
6	$\mathcal{O}(7; \{2^{13}, 3^8, 6^5\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^{11}, 6^5\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^{14}, 6^5\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{17}, 6^5\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{22}, 6^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{18}, 3^3, 6^6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{14}, 3^6, 6^6\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^9, 6^6\})$	855893400256512

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^6, 3^{12}, 6^6\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{15}, 6^6\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{19}, 3, 6^7\})$	6739318112256
6	$\mathcal{O}(7; \{2^{15}, 3^4, 6^7\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^7, 6^7\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^{10}, 6^7\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^{13}, 6^7\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{16}, 3^2, 6^8\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^5, 6^8\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^8, 6^8\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^{11}, 6^8\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{14}, 6^8\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{17}, 6^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{13}, 3^3, 6^9\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^6, 6^9\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^9, 6^9\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{12}, 6^9\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{14}, 3, 6^{10}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{10}, 3^4, 6^{10}\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^7, 6^{10}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^{10}, 6^{10}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{11}, 3^2, 6^{11}\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^5, 6^{11}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^8, 6^{11}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^{12}, 6^{12}\})$	107045448155136
6	$\mathcal{O}(7; \{2^8, 3^3, 6^{12}\})$	855893400256512
6	$\mathcal{O}(7; \{2^4, 3^6, 6^{12}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^9, 6^{12}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^9, 3, 6^{13}\})$	428025064292352
6	$\mathcal{O}(7; \{2^5, 3^4, 6^{13}\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^7, 6^{13}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^6, 3^2, 6^{14}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^5, 6^{14}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^7, 6^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2^3, 3^3, 6^{15}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3, 6^{16}\})$	3423730329354240
6	$\mathcal{O}(7; \{3^4, 6^{16}\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^2, 6^{17}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 6^{18}\})$	6847617387036672
6	$\mathcal{O}(6; \{2^{36}\})$	2176778240
6	$\mathcal{O}(6; \{2^{32}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{28}, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{24}, 3^9\})$	370052997120

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{20}, 3^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{21}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{24}\})$	12173450596540416
6	$\mathcal{O}(6; \{3^{27}\})$	97363815444121590
6	$\mathcal{O}(6; \{2^{33}, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{29}, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^{25}, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^{21}, 3^{10}, 6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^{13}, 6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3^{16}, 6\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^{19}, 6\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{22}, 6\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{25}, 6\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{30}, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^{26}, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^{22}, 3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^{11}, 6^2\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^{14}, 6^2\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^{17}, 6^2\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{20}, 6^2\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{23}, 6^2\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{31}, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{27}, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^{23}, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2^{19}, 3^9, 6^3\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^{12}, 6^3\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^{15}, 6^3\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{18}, 6^3\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{21}, 6^3\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{28}, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^{24}, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2^{20}, 3^7, 6^4\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^{10}, 6^4\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^{13}, 6^4\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{16}, 6^4\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{19}, 6^4\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{22}, 6^4\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{25}, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^{21}, 3^5, 6^5\})$	744459558912
6	$\mathcal{O}(6; \{2^{17}, 3^8, 6^5\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^{11}, 6^5\})$	47553986912256

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^9, 3^{14}, 6^5\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{17}, 6^5\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{20}, 6^5\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{26}, 6^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{22}, 3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{2^{18}, 3^6, 6^6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^9, 6^6\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^{12}, 6^6\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{15}, 6^6\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{18}, 6^6\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{23}, 3, 6^7\})$	187203280896
6	$\mathcal{O}(6; \{2^{19}, 3^4, 6^7\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^7, 6^7\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^{10}, 6^7\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^{13}, 6^7\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{16}, 6^7\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{20}, 3^2, 6^8\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^5, 6^8\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^8, 6^8\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^{11}, 6^8\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{14}, 6^8\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{17}, 6^8\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{21}, 6^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{17}, 3^3, 6^9\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^6, 6^9\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^9, 6^9\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{12}, 6^9\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{15}, 6^9\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{18}, 3, 6^{10}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{14}, 3^4, 6^{10}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^7, 6^{10}\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^{10}, 6^{10}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{13}, 6^{10}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{15}, 3^2, 6^{11}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^5, 6^{11}\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^8, 6^{11}\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^{11}, 6^{11}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{16}, 6^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{12}, 3^3, 6^{12}\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^6, 6^{12}\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^9, 6^{12}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{12}, 6^{12}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{13}, 3, 6^{13}\})$	11889585119232

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^9, 3^4, 6^{13}\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^7, 6^{13}\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^{10}, 6^{13}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{10}, 3^2, 6^{14}\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^5, 6^{14}\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^8, 6^{14}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{11}, 6^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^7, 3^3, 6^{15}\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^6, 6^{15}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^8, 3, 6^{16}\})$	95103620259840
6	$\mathcal{O}(6; \{2^4, 3^4, 6^{16}\})$	760842022772736
6	$\mathcal{O}(6; \{3^7, 6^{16}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^5, 3^2, 6^{17}\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^5, 6^{17}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^6, 6^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{2^2, 3^3, 6^{18}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3, 6^{19}\})$	760842022772736
6	$\mathcal{O}(6; \{3^2, 6^{20}\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 6^{21}\})$	1521679691980800
6	$\mathcal{O}(5; \{2^{40}\})$	60465152
6	$\mathcal{O}(5; \{2^{36}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{32}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{28}, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{24}, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{12}, 3^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{24}\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{27}\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{30}\})$	21620552949464634
6	$\mathcal{O}(5; \{2^{37}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{33}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^{29}, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^{25}, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^{13}, 6\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^{16}, 6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{13}, 3^{19}, 6\})$	21134500632576
6	$\mathcal{O}(5; \{2^9, 3^{22}, 6\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{25}, 6\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{28}, 6\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{34}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^{30}, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^{26}, 3^8, 6^2\})$	20679432192

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{22}, 3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^{14}, 6^2\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^{17}, 6^2\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{20}, 6^2\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{23}, 6^2\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{26}, 6^2\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{35}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^{31}, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^{27}, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^{23}, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^{12}, 6^3\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^{15}, 6^3\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{18}, 6^3\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{21}, 6^3\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{24}, 6^3\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{32}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^{28}, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^{24}, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^{10}, 6^4\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^{13}, 6^4\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{16}, 6^4\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{19}, 6^4\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{22}, 6^4\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{25}, 6^4\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{29}, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^{25}, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^{21}, 3^8, 6^5\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^{11}, 6^5\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^{14}, 6^5\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{17}, 6^5\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{20}, 6^5\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{23}, 6^5\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{30}, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{26}, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^{22}, 3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^9, 6^6\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^{12}, 6^6\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{15}, 6^6\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{18}, 6^6\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{21}, 6^6\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{27}, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2^{23}, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^7, 6^7\})$	330266253312

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3^{10}, 6^7\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^{13}, 6^7\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{16}, 6^7\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{19}, 6^7\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{24}, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^5, 6^8\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^8, 6^8\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^{11}, 6^8\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{14}, 6^8\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{17}, 6^8\})$	676302689986560
6	$\mathcal{O}(5; \{3^{20}, 6^8\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{25}, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{21}, 3^3, 6^9\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^6, 6^9\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^9, 6^9\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{12}, 6^9\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{15}, 6^9\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{18}, 6^9\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{22}, 3, 6^{10}\})$	41237932032
6	$\mathcal{O}(5; \{2^{18}, 3^4, 6^{10}\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^7, 6^{10}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^{10}, 6^{10}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{13}, 6^{10}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{16}, 6^{10}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{19}, 3^2, 6^{11}\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^5, 6^{11}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^8, 6^{11}\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^{11}, 6^{11}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{14}, 6^{11}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{20}, 6^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 3^3, 6^{12}\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^6, 6^{12}\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^9, 6^{12}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{12}, 6^{12}\})$	338151405459456
6	$\mathcal{O}(5; \{3^{15}, 6^{12}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{17}, 3, 6^{13}\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3^4, 6^{13}\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^7, 6^{13}\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^{10}, 6^{13}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{13}, 6^{13}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{14}, 3^2, 6^{14}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^5, 6^{14}\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^8, 6^{14}\})$	84537881597952

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^2, 3^{11}, 6^{14}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{15}, 6^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{11}, 3^3, 6^{15}\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^6, 6^{15}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^9, 6^{15}\})$	338151405459456
6	$\mathcal{O}(5; \{2^{12}, 3, 6^{16}\})$	2641767229440
6	$\mathcal{O}(5; \{2^8, 3^4, 6^{16}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^7, 6^{16}\})$	169075642263552
6	$\mathcal{O}(5; \{3^{10}, 6^{16}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^9, 3^2, 6^{17}\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^5, 6^{17}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^8, 6^{17}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{10}, 6^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^6, 3^3, 6^{18}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^6, 6^{18}\})$	338151405459456
6	$\mathcal{O}(5; \{2^7, 3, 6^{19}\})$	21134500632576
6	$\mathcal{O}(5; \{2^3, 3^4, 6^{19}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^2, 6^{20}\})$	84537881597952
6	$\mathcal{O}(5; \{3^5, 6^{20}\})$	676302689986560
6	$\mathcal{O}(5; \{2^5, 6^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{2, 3^3, 6^{21}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3, 6^{22}\})$	169075642263552
6	$\mathcal{O}(5; \{6^{24}\})$	338151405459456
6	$\mathcal{O}(4; \{2^{44}\})$	1679360
6	$\mathcal{O}(4; \{2^{40}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{36}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{32}, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^{28}, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{21}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{12}, 3^{24}\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{27}\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{30}\})$	601157983606272
6	$\mathcal{O}(4; \{3^{33}\})$	4790477671824150
6	$\mathcal{O}(4; \{2^{41}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{37}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{33}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^{29}, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^{16}, 6\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^{19}, 6\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{22}, 6\})$	4696545618432

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^9, 3^{25}, 6\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3^{28}, 6\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{31}, 6\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{38}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{34}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^{30}, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^{17}, 6^2\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{20}, 6^2\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{23}, 6^2\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{26}, 6^2\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{29}, 6^2\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{39}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{35}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^{31}, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^{27}, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^{15}, 6^3\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{18}, 6^3\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{21}, 6^3\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{24}, 6^3\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{27}, 6^3\})$	601157983606272
6	$\mathcal{O}(4; \{2^{36}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{32}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^{28}, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^{13}, 6^4\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{16}, 6^4\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{19}, 6^4\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{22}, 6^4\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{25}, 6^4\})$	300578990123520
6	$\mathcal{O}(4; \{3^{28}, 6^4\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{33}, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^{29}, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^{25}, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^{11}, 6^5\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^{14}, 6^5\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{17}, 6^5\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{20}, 6^5\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{23}, 6^5\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{26}, 6^5\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{34}, 6^6\})$	36951552

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{30}, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^{26}, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^{12}, 6^6\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{15}, 6^6\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{18}, 6^6\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{21}, 6^6\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{24}, 6^6\})$	601157983606272
6	$\mathcal{O}(4; \{2^{31}, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^{27}, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^{10}, 6^7\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^{13}, 6^7\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{16}, 6^7\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{19}, 6^7\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{22}, 6^7\})$	300578990123520
6	$\mathcal{O}(4; \{2^{28}, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^8, 6^8\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^{11}, 6^8\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{14}, 6^8\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{17}, 6^8\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{20}, 6^8\})$	150289496741376
6	$\mathcal{O}(4; \{3^{23}, 6^8\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{29}, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^{25}, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^6, 6^9\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^9, 6^9\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{12}, 6^9\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{15}, 6^9\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{18}, 6^9\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{21}, 6^9\})$	601157983606272
6	$\mathcal{O}(4; \{2^{26}, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{2^{22}, 3^4, 6^{10}\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^7, 6^{10}\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^{10}, 6^{10}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{13}, 6^{10}\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{16}, 6^{10}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{19}, 6^{10}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{23}, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^5, 6^{11}\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^8, 6^{11}\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^{11}, 6^{11}\})$	2348274488832

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^7, 3^{14}, 6^{11}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{17}, 6^{11}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{24}, 6^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{20}, 3^3, 6^{12}\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^6, 6^{12}\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^9, 6^{12}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{12}, 6^{12}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{15}, 6^{12}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{18}, 6^{12}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{21}, 3, 6^{13}\})$	9174062592
6	$\mathcal{O}(4; \{2^{17}, 3^4, 6^{13}\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^7, 6^{13}\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^{10}, 6^{13}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{13}, 6^{13}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{16}, 6^{13}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{18}, 3^2, 6^{14}\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^5, 6^{14}\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^8, 6^{14}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^{11}, 6^{14}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{14}, 6^{14}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{19}, 6^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 3^3, 6^{15}\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^6, 6^{15}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^9, 6^{15}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{12}, 6^{15}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{16}, 3, 6^{16}\})$	73382423040
6	$\mathcal{O}(4; \{2^{12}, 3^4, 6^{16}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^7, 6^{16}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^{10}, 6^{16}\})$	37572375025152
6	$\mathcal{O}(4; \{3^{13}, 6^{16}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6^{17}\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^5, 6^{17}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^8, 6^{17}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^{11}, 6^{17}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{14}, 6^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^{18}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^6, 6^{18}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^9, 6^{18}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{11}, 3, 6^{19}\})$	587069462016
6	$\mathcal{O}(4; \{2^7, 3^4, 6^{19}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^7, 6^{19}\})$	37572375025152
6	$\mathcal{O}(4; \{2^8, 3^2, 6^{20}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^5, 6^{20}\})$	18786185832960

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{3^8, 6^{20}\})$	150289496741376
6	$\mathcal{O}(4; \{2^9, 6^{21}\})$	1174135564800
6	$\mathcal{O}(4; \{2^5, 3^3, 6^{21}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^6, 6^{21}\})$	75144746691072
6	$\mathcal{O}(4; \{2^6, 3, 6^{22}\})$	4696545618432
6	$\mathcal{O}(4; \{2^2, 3^4, 6^{22}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^2, 6^{23}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 6^{24}\})$	9393094596096
6	$\mathcal{O}(4; \{3^3, 6^{24}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3, 6^{25}\})$	37572375025152
6	$\mathcal{O}(3; \{2^{48}\})$	46592
6	$\mathcal{O}(3; \{2^{44}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{40}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{36}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{32}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^{12}, 3^{27}\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{30}\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{33}\})$	133590662743680
6	$\mathcal{O}(3; \{3^{36}\})$	1052026469382042
6	$\mathcal{O}(3; \{2^{45}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{41}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{37}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{33}, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^{29}, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^{19}, 6\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{22}, 6\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{25}, 6\})$	1043677084032
6	$\mathcal{O}(3; \{2^9, 3^{28}, 6\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{31}, 6\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{34}, 6\})$	534362651068032
6	$\mathcal{O}(3; \{2^{42}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{38}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{34}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{20}, 6^2\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{23}, 6^2\})$	521838495360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{10}, 3^{26}, 6^2\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{29}, 6^2\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{32}, 6^2\})$	267181325580672
6	$\mathcal{O}(3; \{2^{43}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{39}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{35}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^{31}, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{18}, 6^3\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{21}, 6^3\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{24}, 6^3\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{27}, 6^3\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{30}, 6^3\})$	133590662743680
6	$\mathcal{O}(3; \{2^{40}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{36}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{32}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{16}, 6^4\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{19}, 6^4\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{22}, 6^4\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{25}, 6^4\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{28}, 6^4\})$	66795331418496
6	$\mathcal{O}(3; \{3^{31}, 6^4\})$	534362651068032
6	$\mathcal{O}(3; \{2^{37}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{33}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^{29}, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^{14}, 6^5\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^{17}, 6^5\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{20}, 6^5\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{23}, 6^5\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{26}, 6^5\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{29}, 6^5\})$	267181325580672
6	$\mathcal{O}(3; \{2^{38}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{34}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^{30}, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{15}, 6^6\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{18}, 6^6\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{21}, 6^6\})$	2087354074752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^6, 3^{24}, 6^6\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{27}, 6^6\})$	133590662743680
6	$\mathcal{O}(3; \{2^{35}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^{31}, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^{10}, 6^7\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^{13}, 6^7\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{16}, 6^7\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{19}, 6^7\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{22}, 6^7\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{25}, 6^7\})$	66795331418496
6	$\mathcal{O}(3; \{2^{32}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^{11}, 6^8\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{14}, 6^8\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{17}, 6^8\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{20}, 6^8\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{23}, 6^8\})$	33397665662592
6	$\mathcal{O}(3; \{3^{26}, 6^8\})$	267181325580672
6	$\mathcal{O}(3; \{2^{33}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^{29}, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^9, 6^9\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{12}, 6^9\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{15}, 6^9\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{18}, 6^9\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{21}, 6^9\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{24}, 6^9\})$	133590662743680
6	$\mathcal{O}(3; \{2^{30}, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^{26}, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^{10}, 6^{10}\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^{13}, 6^{10}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{16}, 6^{10}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{19}, 6^{10}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{22}, 6^{10}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{27}, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^5, 6^{11}\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^8, 6^{11}\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^{11}, 6^{11}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{14}, 6^{11}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{17}, 6^{11}\})$	4174708242816

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^3, 3^{20}, 6^{11}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{28}, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{24}, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^6, 6^{12}\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^9, 6^{12}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{12}, 6^{12}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{15}, 6^{12}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{18}, 6^{12}\})$	16698832877952
6	$\mathcal{O}(3; \{3^{21}, 6^{12}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{25}, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{2^{21}, 3^4, 6^{13}\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^7, 6^{13}\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^{10}, 6^{13}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{13}, 6^{13}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{16}, 6^{13}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{19}, 6^{13}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{22}, 3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^5, 6^{14}\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^8, 6^{14}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^{11}, 6^{14}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{14}, 6^{14}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{17}, 6^{14}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{23}, 6^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3^3, 6^{15}\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^6, 6^{15}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^9, 6^{15}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{12}, 6^{15}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{15}, 6^{15}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{20}, 3, 6^{16}\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3^4, 6^{16}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^7, 6^{16}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^{10}, 6^{16}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^{13}, 6^{16}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{16}, 6^{16}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6^{17}\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6^{17}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^8, 6^{17}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6^{17}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{14}, 6^{17}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{18}, 6^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^{18}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^{18}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^9, 6^{18}\})$	2087354074752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^{18}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{15}, 3, 6^{19}\})$	16307485056
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^{19}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^7, 6^{19}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^{19}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^{20}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^5, 6^{20}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^8, 6^{20}\})$	4174708242816
6	$\mathcal{O}(3; \{3^{11}, 6^{20}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{13}, 6^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^9, 3^3, 6^{21}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^6, 6^{21}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^9, 6^{21}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{10}, 3, 6^{22}\})$	130459600512
6	$\mathcal{O}(3; \{2^6, 3^4, 6^{22}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^7, 6^{22}\})$	8349416392320
6	$\mathcal{O}(3; \{2^7, 3^2, 6^{23}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^5, 6^{23}\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 6^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^4, 3^3, 6^{24}\})$	2087354074752
6	$\mathcal{O}(3; \{3^6, 6^{24}\})$	16698832877952
6	$\mathcal{O}(3; \{2^5, 3, 6^{25}\})$	1043677084032
6	$\mathcal{O}(3; \{2, 3^4, 6^{25}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{26}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 6^{27}\})$	2087354074752
6	$\mathcal{O}(3; \{3, 6^{28}\})$	8349416392320
6	$\mathcal{O}(2; \{2^{52}\})$	1280
6	$\mathcal{O}(2; \{2^{48}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{44}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{40}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{36}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^{16}, 3^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{30}\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{33}\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{36}\})$	29686813950816
6	$\mathcal{O}(2; \{3^{39}\})$	222651104623830
6	$\mathcal{O}(2; \{2^{49}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{45}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{41}, 3^7, 6\})$	111456

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{37}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{22}, 6\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{25}, 6\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{28}, 6\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{31}, 6\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{34}, 6\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{37}, 6\})$	118747255800672
6	$\mathcal{O}(2; \{2^{46}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{42}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{38}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{23}, 6^2\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{26}, 6^2\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{29}, 6^2\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{32}, 6^2\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{35}, 6^2\})$	59373627899040
6	$\mathcal{O}(2; \{2^{47}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{43}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{39}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{35}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{21}, 6^3\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{24}, 6^3\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{27}, 6^3\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{30}, 6^3\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{33}, 6^3\})$	29686813950816
6	$\mathcal{O}(2; \{2^{44}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{40}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{36}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{19}, 6^4\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{22}, 6^4\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{25}, 6^4\})$	231928233120

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^{28}, 6^4\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{31}, 6^4\})$	14843406974112
6	$\mathcal{O}(2; \{3^{34}, 6^4\})$	118747255800672
6	$\mathcal{O}(2; \{2^{41}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{37}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^{33}, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{17}, 6^5\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{20}, 6^5\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{23}, 6^5\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{26}, 6^5\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{29}, 6^5\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{32}, 6^5\})$	59373627899040
6	$\mathcal{O}(2; \{2^{42}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{38}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{34}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{15}, 6^6\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{18}, 6^6\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{21}, 6^6\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{24}, 6^6\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{27}, 6^6\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{30}, 6^6\})$	29686813950816
6	$\mathcal{O}(2; \{2^{39}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{35}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^{31}, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{16}, 6^7\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{19}, 6^7\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{22}, 6^7\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{25}, 6^7\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{28}, 6^7\})$	14843406974112
6	$\mathcal{O}(2; \{2^{36}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{14}, 6^8\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{17}, 6^8\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{20}, 6^8\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{23}, 6^8\})$	927712935072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^4, 3^{26}, 6^8\})$	7421703488352
6	$\mathcal{O}(2; \{3^{29}, 6^8\})$	59373627899040
6	$\mathcal{O}(2; \{2^{37}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^{33}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{12}, 6^9\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{15}, 6^9\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{18}, 6^9\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{21}, 6^9\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{24}, 6^9\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{27}, 6^9\})$	29686813950816
6	$\mathcal{O}(2; \{2^{34}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^{30}, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{13}, 6^{10}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{16}, 6^{10}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{19}, 6^{10}\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{22}, 6^{10}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{25}, 6^{10}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{31}, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^{11}, 6^{11}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{14}, 6^{11}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{17}, 6^{11}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{20}, 6^{11}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{23}, 6^{11}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{32}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{28}, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^9, 6^{12}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{12}, 6^{12}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^{15}, 6^{12}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{18}, 6^{12}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{21}, 6^{12}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{24}, 6^{12}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{29}, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^{25}, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^7, 6^{13}\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^{10}, 6^{13}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^{13}, 6^{13}\})$	28991030112

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^9, 3^{16}, 6^{13}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{19}, 6^{13}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{22}, 6^{13}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{26}, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^8, 6^{14}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^{11}, 6^{14}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{14}, 6^{14}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{17}, 6^{14}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{20}, 6^{14}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{27}, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{23}, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^6, 6^{15}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^9, 6^{15}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{12}, 6^{15}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{15}, 6^{15}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{18}, 6^{15}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{24}, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 3^4, 6^{16}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^7, 6^{16}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^{10}, 6^{16}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{13}, 6^{16}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{16}, 6^{16}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{19}, 6^{16}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{21}, 3^2, 6^{17}\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^5, 6^{17}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^8, 6^{17}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^{11}, 6^{17}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{14}, 6^{17}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{17}, 6^{17}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{22}, 6^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{18}, 3^3, 6^{18}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^6, 6^{18}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^9, 6^{18}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{12}, 6^{18}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{15}, 6^{18}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{19}, 3, 6^{19}\})$	452985696
6	$\mathcal{O}(2; \{2^{15}, 3^4, 6^{19}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^7, 6^{19}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^{10}, 6^{19}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{13}, 6^{19}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{16}, 3^2, 6^{20}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^5, 6^{20}\})$	14495513760

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^8, 6^{20}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^{11}, 6^{20}\})$	927712935072
6	$\mathcal{O}(2; \{3^{14}, 6^{20}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{17}, 6^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^3, 6^{21}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^6, 6^{21}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^9, 6^{21}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{12}, 6^{21}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{14}, 3, 6^{22}\})$	3623877792
6	$\mathcal{O}(2; \{2^{10}, 3^4, 6^{22}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^7, 6^{22}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^{10}, 6^{22}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6^{23}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^5, 6^{23}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^8, 6^{23}\})$	927712935072
6	$\mathcal{O}(2; \{2^{12}, 6^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^8, 3^3, 6^{24}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^6, 6^{24}\})$	463856468832
6	$\mathcal{O}(2; \{3^9, 6^{24}\})$	3710851742880
6	$\mathcal{O}(2; \{2^9, 3, 6^{25}\})$	28991030112
6	$\mathcal{O}(2; \{2^5, 3^4, 6^{25}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^7, 6^{25}\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{26}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{26}\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 6^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{27}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3, 6^{28}\})$	231928233120
6	$\mathcal{O}(2; \{3^4, 6^{28}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^2, 6^{29}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 6^{30}\})$	463856468832
6	$\mathcal{O}(1; \{2^{56}\})$	32
6	$\mathcal{O}(1; \{2^{52}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{48}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{44}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{40}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^{16}, 3^{30}\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{33}\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{36}\})$	824633720856

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^4, 3^{39}\})$	6597069766632
6	$\mathcal{O}(1; \{3^{42}\})$	39582418599954
6	$\mathcal{O}(1; \{2^{53}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{49}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{45}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{41}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^{25}, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{25}, 6\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{28}, 6\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{31}, 6\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{34}, 6\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{37}, 6\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{40}, 6\})$	26388279066600
6	$\mathcal{O}(1; \{2^{50}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{46}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{42}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{26}, 6^2\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{29}, 6^2\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{32}, 6^2\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{35}, 6^2\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{38}, 6^2\})$	13194139533336
6	$\mathcal{O}(1; \{2^{51}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{47}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{43}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{39}, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^{15}, 6^3\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{24}, 6^3\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{27}, 6^3\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{30}, 6^3\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{33}, 6^3\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{36}, 6^3\})$	6597069766632
6	$\mathcal{O}(1; \{2^{48}, 3, 6^4\})$	360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{44}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{40}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^{10}, 6^4\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{22}, 6^4\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{25}, 6^4\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{28}, 6^4\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{31}, 6^4\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{34}, 6^4\})$	3298534883352
6	$\mathcal{O}(1; \{3^{37}, 6^4\})$	26388279066600
6	$\mathcal{O}(1; \{2^{45}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{41}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{37}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{20}, 6^5\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{23}, 6^5\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{26}, 6^5\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{29}, 6^5\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{32}, 6^5\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{35}, 6^5\})$	13194139533336
6	$\mathcal{O}(1; \{2^{46}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{42}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{38}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{21}, 6^6\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{24}, 6^6\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{27}, 6^6\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{30}, 6^6\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{33}, 6^6\})$	6597069766632
6	$\mathcal{O}(1; \{2^{43}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{39}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{19}, 6^7\})$	805306392

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{15}, 3^{22}, 6^7\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{25}, 6^7\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{28}, 6^7\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{31}, 6^7\})$	3298534883352
6	$\mathcal{O}(1; \{2^{40}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{17}, 6^8\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{20}, 6^8\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{23}, 6^8\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{26}, 6^8\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{29}, 6^8\})$	1649267441640
6	$\mathcal{O}(1; \{3^{32}, 6^8\})$	13194139533336
6	$\mathcal{O}(1; \{2^{41}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{37}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{15}, 6^9\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{18}, 6^9\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{21}, 6^9\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{24}, 6^9\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{27}, 6^9\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{30}, 6^9\})$	6597069766632
6	$\mathcal{O}(1; \{2^{38}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{34}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{13}, 6^{10}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{16}, 6^{10}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{19}, 6^{10}\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{22}, 6^{10}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{25}, 6^{10}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{28}, 6^{10}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{35}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{14}, 6^{11}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{17}, 6^{11}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{20}, 6^{11}\})$	25769803752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^7, 3^{23}, 6^{11}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{26}, 6^{11}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{36}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{32}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{12}, 6^{12}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{15}, 6^{12}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{18}, 6^{12}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{21}, 6^{12}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{24}, 6^{12}\})$	824633720856
6	$\mathcal{O}(1; \{3^{27}, 6^{12}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{33}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^{29}, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^{10}, 6^{13}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{13}, 6^{13}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{16}, 6^{13}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{19}, 6^{13}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{22}, 6^{13}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{25}, 6^{13}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{30}, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^{11}, 6^{14}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{14}, 6^{14}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{17}, 6^{14}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{20}, 6^{14}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{23}, 6^{14}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{31}, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{27}, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^6, 6^{15}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^9, 6^{15}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{12}, 6^{15}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{15}, 6^{15}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{18}, 6^{15}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{21}, 6^{15}\})$	824633720856
6	$\mathcal{O}(1; \{2^{28}, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^{24}, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^7, 6^{16}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^{10}, 6^{16}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{13}, 6^{16}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{16}, 6^{16}\})$	51539607576

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^4, 3^{19}, 6^{16}\})$	412316860392
6	$\mathcal{O}(1; \{3^{22}, 6^{16}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6^{17}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6^{17}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6^{17}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{14}, 6^{17}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{17}, 6^{17}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{20}, 6^{17}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{26}, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{22}, 3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^6, 6^{18}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^9, 6^{18}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^{12}, 6^{18}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{15}, 6^{18}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{18}, 6^{18}\})$	824633720856
6	$\mathcal{O}(1; \{2^{23}, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(1; \{2^{19}, 3^4, 6^{19}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^7, 6^{19}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6^{19}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{13}, 6^{19}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{16}, 6^{19}\})$	412316860392
6	$\mathcal{O}(1; \{2^{20}, 3^2, 6^{20}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^5, 6^{20}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^8, 6^{20}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^{11}, 6^{20}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{14}, 6^{20}\})$	206158430232
6	$\mathcal{O}(1; \{3^{17}, 6^{20}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{21}, 6^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3^3, 6^{21}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^6, 6^{21}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^9, 6^{21}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{12}, 6^{21}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{15}, 6^{21}\})$	824633720856
6	$\mathcal{O}(1; \{2^{18}, 3, 6^{22}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3^4, 6^{22}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^7, 6^{22}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^{10}, 6^{22}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{13}, 6^{22}\})$	412316860392
6	$\mathcal{O}(1; \{2^{15}, 3^2, 6^{23}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^5, 6^{23}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^8, 6^{23}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^{11}, 6^{23}\})$	206158430232

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 6^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{12}, 3^3, 6^{24}\})$	1610612712
6	$\mathcal{O}(1; \{2^8, 3^6, 6^{24}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^9, 6^{24}\})$	103079215080
6	$\mathcal{O}(1; \{3^{12}, 6^{24}\})$	824633720856
6	$\mathcal{O}(1; \{2^{13}, 3, 6^{25}\})$	805306392
6	$\mathcal{O}(1; \{2^9, 3^4, 6^{25}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^7, 6^{25}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^{10}, 6^{25}\})$	412316860392
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{26}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{26}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{26}\})$	206158430232
6	$\mathcal{O}(1; \{2^{11}, 6^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{27}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{27}\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3, 6^{28}\})$	6442450920
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{28}\})$	51539607576
6	$\mathcal{O}(1; \{3^7, 6^{28}\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{29}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^5, 6^{29}\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 6^{30}\})$	12884901912
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{30}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3, 6^{31}\})$	51539607576
6	$\mathcal{O}(1; \{3^2, 6^{32}\})$	206158430232
6	$\mathcal{O}(1; \{2, 6^{33}\})$	103079215080
6	$\mathcal{O}(0; \{2^{56}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{52}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{48}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{44}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{32}, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 3^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{33}\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{36}\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{39}\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{42}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{57}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{53}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{49}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{45}, 3^{10}, 6\})$	682

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{41}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{25}, 6\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{28}, 6\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{31}, 6\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{34}, 6\})$	11453246122
6	$\mathcal{O}(0; \{2^9, 3^{37}, 6\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{40}, 6\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{43}, 6\})$	5864062014806
6	$\mathcal{O}(0; \{2^{54}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{50}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{46}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{23}, 6^2\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{26}, 6^2\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{29}, 6^2\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{32}, 6^2\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{35}, 6^2\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{38}, 6^2\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{41}, 6^2\})$	2932031007402
6	$\mathcal{O}(0; \{2^{55}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{51}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{47}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{43}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{21}, 6^3\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{24}, 6^3\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{27}, 6^3\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{30}, 6^3\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{33}, 6^3\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{36}, 6^3\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{39}, 6^3\})$	1466015503702
6	$\mathcal{O}(0; \{2^{52}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{48}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^{44}, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^{10}, 6^4\})$	5462

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{36}, 3^{13}, 6^4\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{16}, 6^4\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{19}, 6^4\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{22}, 6^4\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{25}, 6^4\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{28}, 6^4\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{31}, 6^4\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{34}, 6^4\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{37}, 6^4\})$	733007751850
6	$\mathcal{O}(0; \{3^{40}, 6^4\})$	5864062014806
6	$\mathcal{O}(0; \{2^{49}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^{45}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{41}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^{11}, 6^5\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{23}, 6^5\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{26}, 6^5\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{29}, 6^5\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{32}, 6^5\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{35}, 6^5\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{38}, 6^5\})$	2932031007402
6	$\mathcal{O}(0; \{2^{50}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{46}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{42}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{24}, 6^6\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{27}, 6^6\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{30}, 6^6\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{33}, 6^6\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{36}, 6^6\})$	1466015503702
6	$\mathcal{O}(0; \{2^{47}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{43}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{19}, 6^7\})$	22369622

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{19}, 3^{22}, 6^7\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{25}, 6^7\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{28}, 6^7\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{31}, 6^7\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{34}, 6^7\})$	733007751850
6	$\mathcal{O}(0; \{2^{44}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{17}, 6^8\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{20}, 6^8\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{23}, 6^8\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{26}, 6^8\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{29}, 6^8\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{32}, 6^8\})$	366503875926
6	$\mathcal{O}(0; \{3^{35}, 6^8\})$	2932031007402
6	$\mathcal{O}(0; \{2^{45}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{41}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{18}, 6^9\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{21}, 6^9\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{24}, 6^9\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{27}, 6^9\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{30}, 6^9\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{33}, 6^9\})$	1466015503702
6	$\mathcal{O}(0; \{2^{42}, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{2^{38}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{13}, 6^{10}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{19}, 6^{10}\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{22}, 6^{10}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{25}, 6^{10}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{28}, 6^{10}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{31}, 6^{10}\})$	733007751850
6	$\mathcal{O}(0; \{2^{39}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^8, 6^{11}\})$	174762

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{27}, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{17}, 6^{11}\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{20}, 6^{11}\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{23}, 6^{11}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{26}, 6^{11}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{29}, 6^{11}\})$	366503875926
6	$\mathcal{O}(0; \{2^{40}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{36}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^6, 6^{12}\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{15}, 6^{12}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{18}, 6^{12}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{21}, 6^{12}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{24}, 6^{12}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{27}, 6^{12}\})$	183251937962
6	$\mathcal{O}(0; \{3^{30}, 6^{12}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{37}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{33}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{13}, 6^{13}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{16}, 6^{13}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{19}, 6^{13}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{22}, 6^{13}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{25}, 6^{13}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{28}, 6^{13}\})$	733007751850
6	$\mathcal{O}(0; \{2^{34}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{14}, 6^{14}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{17}, 6^{14}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{20}, 6^{14}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{23}, 6^{14}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{26}, 6^{14}\})$	366503875926
6	$\mathcal{O}(0; \{2^{35}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{31}, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{12}, 6^{15}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{15}, 6^{15}\})$	357913942

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{11}, 3^{18}, 6^{15}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{21}, 6^{15}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{24}, 6^{15}\})$	183251937962
6	$\mathcal{O}(0; \{2^{32}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^{28}, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^{10}, 6^{16}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{13}, 6^{16}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{16}, 6^{16}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{19}, 6^{16}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{22}, 6^{16}\})$	91625968982
6	$\mathcal{O}(0; \{3^{25}, 6^{16}\})$	733007751850
6	$\mathcal{O}(0; \{2^{29}, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^8, 6^{17}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^{11}, 6^{17}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{14}, 6^{17}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{17}, 6^{17}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{20}, 6^{17}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{23}, 6^{17}\})$	366503875926
6	$\mathcal{O}(0; \{2^{30}, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{26}, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^9, 6^{18}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^{12}, 6^{18}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{15}, 6^{18}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{18}, 6^{18}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{21}, 6^{18}\})$	183251937962
6	$\mathcal{O}(0; \{2^{27}, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2^{23}, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^7, 6^{19}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^{10}, 6^{19}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{13}, 6^{19}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{16}, 6^{19}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{19}, 6^{19}\})$	91625968982
6	$\mathcal{O}(0; \{2^{24}, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^5, 6^{20}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^8, 6^{20}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6^{20}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{14}, 6^{20}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{17}, 6^{20}\})$	45812984490
6	$\mathcal{O}(0; \{3^{20}, 6^{20}\})$	366503875926
6	$\mathcal{O}(0; \{2^{25}, 6^{21}\})$	699050

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{21}, 3^3, 6^{21}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^6, 6^{21}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^9, 6^{21}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{12}, 6^{21}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{15}, 6^{21}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{18}, 6^{21}\})$	183251937962
6	$\mathcal{O}(0; \{2^{22}, 3, 6^{22}\})$	2796202
6	$\mathcal{O}(0; \{2^{18}, 3^4, 6^{22}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^7, 6^{22}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^{22}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{13}, 6^{22}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{16}, 6^{22}\})$	91625968982
6	$\mathcal{O}(0; \{2^{19}, 3^2, 6^{23}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^5, 6^{23}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^8, 6^{23}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^{11}, 6^{23}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{14}, 6^{23}\})$	45812984490
6	$\mathcal{O}(0; \{2^{20}, 6^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^3, 6^{24}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^6, 6^{24}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^9, 6^{24}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{12}, 6^{24}\})$	22906492246
6	$\mathcal{O}(0; \{3^{15}, 6^{24}\})$	183251937962
6	$\mathcal{O}(0; \{2^{17}, 3, 6^{25}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6^{25}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^7, 6^{25}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6^{25}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{13}, 6^{25}\})$	91625968982
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^{26}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^{26}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^8, 6^{26}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^{26}\})$	45812984490
6	$\mathcal{O}(0; \{2^{15}, 6^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^{27}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^6, 6^{27}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^9, 6^{27}\})$	22906492246
6	$\mathcal{O}(0; \{2^{12}, 3, 6^{28}\})$	178956970
6	$\mathcal{O}(0; \{2^8, 3^4, 6^{28}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^7, 6^{28}\})$	11453246122
6	$\mathcal{O}(0; \{3^{10}, 6^{28}\})$	91625968982
6	$\mathcal{O}(0; \{2^9, 3^2, 6^{29}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^5, 6^{29}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^8, 6^{29}\})$	45812984490

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 6^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^6, 3^3, 6^{30}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^6, 6^{30}\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3, 6^{31}\})$	1431655766
6	$\mathcal{O}(0; \{2^3, 3^4, 6^{31}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{32}\})$	5726623062
6	$\mathcal{O}(0; \{3^5, 6^{32}\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 6^{33}\})$	2863311530
6	$\mathcal{O}(0; \{2, 3^3, 6^{33}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3, 6^{34}\})$	11453246122
6	$\mathcal{O}(0; \{6^{36}\})$	22906492246
7	$\mathcal{O}(13; \emptyset)$	9387480337647754305648
7	$\mathcal{O}(10; \{7^7\})$	3190892729241503919990
7	$\mathcal{O}(7; \{7^{14}\})$	7592626311214533809514
7	$\mathcal{O}(4; \{7^{21}\})$	18066022141228695722550
7	$\mathcal{O}(1; \{7^{28}\})$	42986595501253708480554
8	$\mathcal{O}(11; \{2^2\})$	73786958702652162048
8	$\mathcal{O}(10; \{2^6\})$	1152920405095219200
8	$\mathcal{O}(10; \{2^3, 4^2\})$	2305840810190438400
8	$\mathcal{O}(10; \{4^4\})$	9223363240761753600
8	$\mathcal{O}(10; \{2, 4, 8^2\})$	9223372036854775808
8	$\mathcal{O}(9; \{2^{10}\})$	18014329790005248
8	$\mathcal{O}(9; \{2^7, 4^2\})$	36028659580010496
8	$\mathcal{O}(9; \{2^4, 4^4\})$	144114638320041984
8	$\mathcal{O}(9; \{2, 4^6\})$	576458553280167936
8	$\mathcal{O}(9; \{2^5, 4, 8^2\})$	144115188075855872
8	$\mathcal{O}(9; \{2^2, 4^3, 8^2\})$	576460752303423488
8	$\mathcal{O}(9; \{2^3, 8^4\})$	1152921504606846976
8	$\mathcal{O}(9; \{4^2, 8^4\})$	4611686018427387904
8	$\mathcal{O}(8; \{2^{14}\})$	281470681743360
8	$\mathcal{O}(8; \{2^{11}, 4^2\})$	562941363486720
8	$\mathcal{O}(8; \{2^8, 4^4\})$	2251765453946880
8	$\mathcal{O}(8; \{2^5, 4^6\})$	9007061815787520
8	$\mathcal{O}(8; \{2^2, 4^8\})$	36028247263150080
8	$\mathcal{O}(8; \{2^9, 4, 8^2\})$	2251799813685248
8	$\mathcal{O}(8; \{2^6, 4^3, 8^2\})$	9007199254740992
8	$\mathcal{O}(8; \{2^3, 4^5, 8^2\})$	36028797018963968
8	$\mathcal{O}(8; \{4^7, 8^2\})$	144115188075855872
8	$\mathcal{O}(8; \{2^7, 8^4\})$	18014398509481984
8	$\mathcal{O}(8; \{2^4, 4^2, 8^4\})$	72057594037927936
8	$\mathcal{O}(8; \{2, 4^4, 8^4\})$	288230376151711744
8	$\mathcal{O}(8; \{2^2, 4, 8^6\})$	576460752303423488
8	$\mathcal{O}(8; \{8^8\})$	4611686018427387904

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^{18}\})$	4397778075648
8	$\mathcal{O}(7; \{2^{15}, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{2^{12}, 4^4\})$	35182224605184
8	$\mathcal{O}(7; \{2^9, 4^6\})$	140728898420736
8	$\mathcal{O}(7; \{2^6, 4^8\})$	562915593682944
8	$\mathcal{O}(7; \{2^3, 4^{10}\})$	2251662374731776
8	$\mathcal{O}(7; \{4^{12}\})$	9006649498927104
8	$\mathcal{O}(7; \{2^{13}, 4, 8^2\})$	35184372088832
8	$\mathcal{O}(7; \{2^{10}, 4^3, 8^2\})$	140737488355328
8	$\mathcal{O}(7; \{2^7, 4^5, 8^2\})$	562949953421312
8	$\mathcal{O}(7; \{2^4, 4^7, 8^2\})$	2251799813685248
8	$\mathcal{O}(7; \{2, 4^9, 8^2\})$	9007199254740992
8	$\mathcal{O}(7; \{2^{11}, 8^4\})$	281474976710656
8	$\mathcal{O}(7; \{2^8, 4^2, 8^4\})$	1125899906842624
8	$\mathcal{O}(7; \{2^5, 4^4, 8^4\})$	4503599627370496
8	$\mathcal{O}(7; \{2^2, 4^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(7; \{2^6, 4, 8^6\})$	9007199254740992
8	$\mathcal{O}(7; \{2^3, 4^3, 8^6\})$	36028797018963968
8	$\mathcal{O}(7; \{4^5, 8^6\})$	144115188075855872
8	$\mathcal{O}(7; \{2^4, 8^8\})$	72057594037927936
8	$\mathcal{O}(7; \{2, 4^2, 8^8\})$	288230376151711744
8	$\mathcal{O}(6; \{2^{22}\})$	68702699520
8	$\mathcal{O}(6; \{2^{19}, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^{16}, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^{13}, 4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^{10}, 4^8\})$	8793945538560
8	$\mathcal{O}(6; \{2^7, 4^{10}\})$	35175782154240
8	$\mathcal{O}(6; \{2^4, 4^{12}\})$	140703128616960
8	$\mathcal{O}(6; \{2, 4^{14}\})$	562812514467840
8	$\mathcal{O}(6; \{2^{17}, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2^{14}, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^{11}, 4^5, 8^2\})$	8796093022208
8	$\mathcal{O}(6; \{2^8, 4^7, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^5, 4^9, 8^2\})$	140737488355328
8	$\mathcal{O}(6; \{2^2, 4^{11}, 8^2\})$	562949953421312
8	$\mathcal{O}(6; \{2^{15}, 8^4\})$	4398046511104
8	$\mathcal{O}(6; \{2^{12}, 4^2, 8^4\})$	17592186044416
8	$\mathcal{O}(6; \{2^9, 4^4, 8^4\})$	70368744177664
8	$\mathcal{O}(6; \{2^6, 4^6, 8^4\})$	281474976710656
8	$\mathcal{O}(6; \{2^3, 4^8, 8^4\})$	1125899906842624
8	$\mathcal{O}(6; \{4^{10}, 8^4\})$	4503599627370496
8	$\mathcal{O}(6; \{2^{10}, 4, 8^6\})$	140737488355328
8	$\mathcal{O}(6; \{2^7, 4^3, 8^6\})$	562949953421312

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^4, 4^5, 8^6\})$	2251799813685248
8	$\mathcal{O}(6; \{2, 4^7, 8^6\})$	9007199254740992
8	$\mathcal{O}(6; \{2^8, 8^8\})$	1125899906842624
8	$\mathcal{O}(6; \{2^5, 4^2, 8^8\})$	4503599627370496
8	$\mathcal{O}(6; \{2^2, 4^4, 8^8\})$	18014398509481984
8	$\mathcal{O}(6; \{2^3, 4, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(6; \{4^3, 8^{10}\})$	144115188075855872
8	$\mathcal{O}(6; \{2, 8^{12}\})$	288230376151711744
8	$\mathcal{O}(5; \{2^{26}\})$	1072693248
8	$\mathcal{O}(5; \{2^{23}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^{20}, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^{17}, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^{14}, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^{11}, 4^{10}\})$	549218942976
8	$\mathcal{O}(5; \{2^8, 4^{12}\})$	2196875771904
8	$\mathcal{O}(5; \{2^5, 4^{14}\})$	8787503087616
8	$\mathcal{O}(5; \{2^2, 4^{16}\})$	35150012350464
8	$\mathcal{O}(5; \{2^{21}, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^{18}, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^{15}, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^{12}, 4^7, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^9, 4^9, 8^2\})$	2199023255552
8	$\mathcal{O}(5; \{2^6, 4^{11}, 8^2\})$	8796093022208
8	$\mathcal{O}(5; \{2^3, 4^{13}, 8^2\})$	35184372088832
8	$\mathcal{O}(5; \{4^{15}, 8^2\})$	140737488355328
8	$\mathcal{O}(5; \{2^{19}, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^{16}, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{2^{13}, 4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2^{10}, 4^6, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^7, 4^8, 8^4\})$	17592186044416
8	$\mathcal{O}(5; \{2^4, 4^{10}, 8^4\})$	70368744177664
8	$\mathcal{O}(5; \{2, 4^{12}, 8^4\})$	281474976710656
8	$\mathcal{O}(5; \{2^{14}, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(5; \{2^{11}, 4^3, 8^6\})$	8796093022208
8	$\mathcal{O}(5; \{2^8, 4^5, 8^6\})$	35184372088832
8	$\mathcal{O}(5; \{2^5, 4^7, 8^6\})$	140737488355328
8	$\mathcal{O}(5; \{2^2, 4^9, 8^6\})$	562949953421312
8	$\mathcal{O}(5; \{2^{12}, 8^8\})$	17592186044416
8	$\mathcal{O}(5; \{2^9, 4^2, 8^8\})$	70368744177664
8	$\mathcal{O}(5; \{2^6, 4^4, 8^8\})$	281474976710656
8	$\mathcal{O}(5; \{2^3, 4^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(5; \{4^8, 8^8\})$	4503599627370496
8	$\mathcal{O}(5; \{2^7, 4, 8^{10}\})$	562949953421312

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^4, 4^3, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(5; \{2, 4^5, 8^{10}\})$	9007199254740992
8	$\mathcal{O}(5; \{2^5, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^2, 4^2, 8^{12}\})$	18014398509481984
8	$\mathcal{O}(5; \{4, 8^{14}\})$	144115188075855872
8	$\mathcal{O}(4; \{2^{30}\})$	16711680
8	$\mathcal{O}(4; \{2^{27}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{24}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^{21}, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^{18}, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^{15}, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{12}, 4^{12}\})$	34225520640
8	$\mathcal{O}(4; \{2^9, 4^{14}\})$	136902082560
8	$\mathcal{O}(4; \{2^6, 4^{16}\})$	547608330240
8	$\mathcal{O}(4; \{2^3, 4^{18}\})$	2190433320960
8	$\mathcal{O}(4; \{4^{20}\})$	8761733283840
8	$\mathcal{O}(4; \{2^{25}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^{22}, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^{19}, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^{16}, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{13}, 4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^{10}, 4^{11}, 8^2\})$	137438953472
8	$\mathcal{O}(4; \{2^7, 4^{13}, 8^2\})$	549755813888
8	$\mathcal{O}(4; \{2^4, 4^{15}, 8^2\})$	2199023255552
8	$\mathcal{O}(4; \{2, 4^{17}, 8^2\})$	8796093022208
8	$\mathcal{O}(4; \{2^{23}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^{20}, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^{17}, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^{14}, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{11}, 4^8, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^8, 4^{10}, 8^4\})$	1099511627776
8	$\mathcal{O}(4; \{2^5, 4^{12}, 8^4\})$	4398046511104
8	$\mathcal{O}(4; \{2^2, 4^{14}, 8^4\})$	17592186044416
8	$\mathcal{O}(4; \{2^{18}, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^{15}, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^{12}, 4^5, 8^6\})$	549755813888
8	$\mathcal{O}(4; \{2^9, 4^7, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^6, 4^9, 8^6\})$	8796093022208
8	$\mathcal{O}(4; \{2^3, 4^{11}, 8^6\})$	35184372088832
8	$\mathcal{O}(4; \{4^{13}, 8^6\})$	140737488355328
8	$\mathcal{O}(4; \{2^{16}, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{2^{13}, 4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(4; \{2^{10}, 4^4, 8^8\})$	4398046511104

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^7, 4^6, 8^8\})$	17592186044416
8	$\mathcal{O}(4; \{2^4, 4^8, 8^8\})$	70368744177664
8	$\mathcal{O}(4; \{2, 4^{10}, 8^8\})$	281474976710656
8	$\mathcal{O}(4; \{2^{11}, 4, 8^{10}\})$	8796093022208
8	$\mathcal{O}(4; \{2^8, 4^3, 8^{10}\})$	35184372088832
8	$\mathcal{O}(4; \{2^5, 4^5, 8^{10}\})$	140737488355328
8	$\mathcal{O}(4; \{2^2, 4^7, 8^{10}\})$	562949953421312
8	$\mathcal{O}(4; \{2^9, 8^{12}\})$	70368744177664
8	$\mathcal{O}(4; \{2^6, 4^2, 8^{12}\})$	281474976710656
8	$\mathcal{O}(4; \{2^3, 4^4, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(4; \{4^6, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(4; \{2^4, 4, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(4; \{2, 4^3, 8^{14}\})$	9007199254740992
8	$\mathcal{O}(4; \{2^2, 8^{16}\})$	18014398509481984
8	$\mathcal{O}(3; \{2^{34}\})$	258048
8	$\mathcal{O}(3; \{2^{31}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{28}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{25}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^{22}, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^{19}, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{16}, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{13}, 4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^{10}, 4^{16}\})$	8455716864
8	$\mathcal{O}(3; \{2^7, 4^{18}\})$	33822867456
8	$\mathcal{O}(3; \{2^4, 4^{20}\})$	135291469824
8	$\mathcal{O}(3; \{2, 4^{22}\})$	541165879296
8	$\mathcal{O}(3; \{2^{29}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{26}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{23}, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^{20}, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^{17}, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{14}, 4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^{11}, 4^{13}, 8^2\})$	8589934592
8	$\mathcal{O}(3; \{2^8, 4^{15}, 8^2\})$	34359738368
8	$\mathcal{O}(3; \{2^5, 4^{17}, 8^2\})$	137438953472
8	$\mathcal{O}(3; \{2^2, 4^{19}, 8^2\})$	549755813888
8	$\mathcal{O}(3; \{2^{27}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{24}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^{21}, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^{18}, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{15}, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{12}, 4^{10}, 8^4\})$	17179869184
8	$\mathcal{O}(3; \{2^9, 4^{12}, 8^4\})$	68719476736

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^6, 4^{14}, 8^4\})$	274877906944
8	$\mathcal{O}(3; \{2^3, 4^{16}, 8^4\})$	1099511627776
8	$\mathcal{O}(3; \{4^{18}, 8^4\})$	4398046511104
8	$\mathcal{O}(3; \{2^{22}, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^{19}, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^{16}, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^{13}, 4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^{10}, 4^9, 8^6\})$	137438953472
8	$\mathcal{O}(3; \{2^7, 4^{11}, 8^6\})$	549755813888
8	$\mathcal{O}(3; \{2^4, 4^{13}, 8^6\})$	2199023255552
8	$\mathcal{O}(3; \{2, 4^{15}, 8^6\})$	8796093022208
8	$\mathcal{O}(3; \{2^{20}, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^{17}, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2^{14}, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^{11}, 4^6, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^8, 4^8, 8^8\})$	1099511627776
8	$\mathcal{O}(3; \{2^5, 4^{10}, 8^8\})$	4398046511104
8	$\mathcal{O}(3; \{2^2, 4^{12}, 8^8\})$	17592186044416
8	$\mathcal{O}(3; \{2^{15}, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(3; \{2^{12}, 4^3, 8^{10}\})$	549755813888
8	$\mathcal{O}(3; \{2^9, 4^5, 8^{10}\})$	2199023255552
8	$\mathcal{O}(3; \{2^6, 4^7, 8^{10}\})$	8796093022208
8	$\mathcal{O}(3; \{2^3, 4^9, 8^{10}\})$	35184372088832
8	$\mathcal{O}(3; \{4^{11}, 8^{10}\})$	140737488355328
8	$\mathcal{O}(3; \{2^{13}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(3; \{2^{10}, 4^2, 8^{12}\})$	4398046511104
8	$\mathcal{O}(3; \{2^7, 4^4, 8^{12}\})$	17592186044416
8	$\mathcal{O}(3; \{2^4, 4^6, 8^{12}\})$	70368744177664
8	$\mathcal{O}(3; \{2, 4^8, 8^{12}\})$	281474976710656
8	$\mathcal{O}(3; \{2^8, 4, 8^{14}\})$	35184372088832
8	$\mathcal{O}(3; \{2^5, 4^3, 8^{14}\})$	140737488355328
8	$\mathcal{O}(3; \{2^2, 4^5, 8^{14}\})$	562949953421312
8	$\mathcal{O}(3; \{2^6, 8^{16}\})$	281474976710656
8	$\mathcal{O}(3; \{2^3, 4^2, 8^{16}\})$	1125899906842624
8	$\mathcal{O}(3; \{4^4, 8^{16}\})$	4503599627370496
8	$\mathcal{O}(3; \{2, 4, 8^{18}\})$	9007199254740992
8	$\mathcal{O}(2; \{2^{38}\})$	3840
8	$\mathcal{O}(2; \{2^{35}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{32}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{29}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{26}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{23}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{20}, 4^{12}\})$	7864320

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{17}, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{14}, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{11}, 4^{18}\})$	503316480
8	$\mathcal{O}(2; \{2^8, 4^{20}\})$	2013265920
8	$\mathcal{O}(2; \{2^5, 4^{22}\})$	8053063680
8	$\mathcal{O}(2; \{2^2, 4^{24}\})$	32212254720
8	$\mathcal{O}(2; \{2^{33}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{30}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{27}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{24}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{21}, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{18}, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{15}, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{12}, 4^{15}, 8^2\})$	536870912
8	$\mathcal{O}(2; \{2^9, 4^{17}, 8^2\})$	2147483648
8	$\mathcal{O}(2; \{2^6, 4^{19}, 8^2\})$	8589934592
8	$\mathcal{O}(2; \{2^3, 4^{21}, 8^2\})$	34359738368
8	$\mathcal{O}(2; \{4^{23}, 8^2\})$	137438953472
8	$\mathcal{O}(2; \{2^{31}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{28}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{25}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^{22}, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^{19}, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^{16}, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{13}, 4^{12}, 8^4\})$	1073741824
8	$\mathcal{O}(2; \{2^{10}, 4^{14}, 8^4\})$	4294967296
8	$\mathcal{O}(2; \{2^7, 4^{16}, 8^4\})$	17179869184
8	$\mathcal{O}(2; \{2^4, 4^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(2; \{2, 4^{20}, 8^4\})$	274877906944
8	$\mathcal{O}(2; \{2^{26}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{23}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^{20}, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^{17}, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{14}, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{11}, 4^{11}, 8^6\})$	8589934592
8	$\mathcal{O}(2; \{2^8, 4^{13}, 8^6\})$	34359738368
8	$\mathcal{O}(2; \{2^5, 4^{15}, 8^6\})$	137438953472
8	$\mathcal{O}(2; \{2^2, 4^{17}, 8^6\})$	549755813888
8	$\mathcal{O}(2; \{2^{24}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^{21}, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^{18}, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^{15}, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{12}, 4^8, 8^8\})$	17179869184

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^9, 4^{10}, 8^8\})$	68719476736
8	$\mathcal{O}(2; \{2^6, 4^{12}, 8^8\})$	274877906944
8	$\mathcal{O}(2; \{2^3, 4^{14}, 8^8\})$	1099511627776
8	$\mathcal{O}(2; \{4^{16}, 8^8\})$	4398046511104
8	$\mathcal{O}(2; \{2^{19}, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^{16}, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^{13}, 4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^{10}, 4^7, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^7, 4^9, 8^{10}\})$	549755813888
8	$\mathcal{O}(2; \{2^4, 4^{11}, 8^{10}\})$	2199023255552
8	$\mathcal{O}(2; \{2, 4^{13}, 8^{10}\})$	8796093022208
8	$\mathcal{O}(2; \{2^{17}, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2^{14}, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(2; \{2^{11}, 4^4, 8^{12}\})$	274877906944
8	$\mathcal{O}(2; \{2^8, 4^6, 8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^5, 4^8, 8^{12}\})$	4398046511104
8	$\mathcal{O}(2; \{2^2, 4^{10}, 8^{12}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{12}, 4, 8^{14}\})$	549755813888
8	$\mathcal{O}(2; \{2^9, 4^3, 8^{14}\})$	2199023255552
8	$\mathcal{O}(2; \{2^6, 4^5, 8^{14}\})$	8796093022208
8	$\mathcal{O}(2; \{2^3, 4^7, 8^{14}\})$	35184372088832
8	$\mathcal{O}(2; \{4^9, 8^{14}\})$	140737488355328
8	$\mathcal{O}(2; \{2^{10}, 8^{16}\})$	4398046511104
8	$\mathcal{O}(2; \{2^7, 4^2, 8^{16}\})$	17592186044416
8	$\mathcal{O}(2; \{2^4, 4^4, 8^{16}\})$	70368744177664
8	$\mathcal{O}(2; \{2, 4^6, 8^{16}\})$	281474976710656
8	$\mathcal{O}(2; \{2^5, 4, 8^{18}\})$	140737488355328
8	$\mathcal{O}(2; \{2^2, 4^3, 8^{18}\})$	562949953421312
8	$\mathcal{O}(2; \{2^3, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(2; \{4^2, 8^{20}\})$	4503599627370496
8	$\mathcal{O}(1; \{2^{42}\})$	48
8	$\mathcal{O}(1; \{2^{39}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{36}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{33}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{30}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{27}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{24}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{21}, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{18}, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{15}, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{12}, 4^{20}\})$	25165824
8	$\mathcal{O}(1; \{2^9, 4^{22}\})$	100663296
8	$\mathcal{O}(1; \{2^6, 4^{24}\})$	402653184

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^3, 4^{26}\})$	1610612736
8	$\mathcal{O}(1; \{4^{28}\})$	6442450944
8	$\mathcal{O}(1; \{2^{37}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{34}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{31}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{28}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{25}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^{22}, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{19}, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{16}, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{13}, 4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^{10}, 4^{19}, 8^2\})$	134217728
8	$\mathcal{O}(1; \{2^7, 4^{21}, 8^2\})$	536870912
8	$\mathcal{O}(1; \{2^4, 4^{23}, 8^2\})$	2147483648
8	$\mathcal{O}(1; \{2, 4^{25}, 8^2\})$	8589934592
8	$\mathcal{O}(1; \{2^{35}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{32}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{29}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{26}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{23}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{20}, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{17}, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{14}, 4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^{11}, 4^{16}, 8^4\})$	268435456
8	$\mathcal{O}(1; \{2^8, 4^{18}, 8^4\})$	1073741824
8	$\mathcal{O}(1; \{2^5, 4^{20}, 8^4\})$	4294967296
8	$\mathcal{O}(1; \{2^2, 4^{22}, 8^4\})$	17179869184
8	$\mathcal{O}(1; \{2^{30}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{27}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{24}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^{21}, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^{18}, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{15}, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{12}, 4^{13}, 8^6\})$	536870912
8	$\mathcal{O}(1; \{2^9, 4^{15}, 8^6\})$	2147483648
8	$\mathcal{O}(1; \{2^6, 4^{17}, 8^6\})$	8589934592
8	$\mathcal{O}(1; \{2^3, 4^{19}, 8^6\})$	34359738368
8	$\mathcal{O}(1; \{4^{21}, 8^6\})$	137438953472
8	$\mathcal{O}(1; \{2^{28}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{25}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^{22}, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^{19}, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{16}, 4^8, 8^8\})$	268435456

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{13}, 4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^{10}, 4^{12}, 8^8\})$	4294967296
8	$\mathcal{O}(1; \{2^7, 4^{14}, 8^8\})$	17179869184
8	$\mathcal{O}(1; \{2^4, 4^{16}, 8^8\})$	68719476736
8	$\mathcal{O}(1; \{2, 4^{18}, 8^8\})$	274877906944
8	$\mathcal{O}(1; \{2^{23}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^{20}, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^{17}, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^{14}, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{11}, 4^9, 8^{10}\})$	8589934592
8	$\mathcal{O}(1; \{2^8, 4^{11}, 8^{10}\})$	34359738368
8	$\mathcal{O}(1; \{2^5, 4^{13}, 8^{10}\})$	137438953472
8	$\mathcal{O}(1; \{2^2, 4^{15}, 8^{10}\})$	549755813888
8	$\mathcal{O}(1; \{2^{21}, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^{18}, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^{15}, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^{12}, 4^6, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^9, 4^8, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^6, 4^{10}, 8^{12}\})$	274877906944
8	$\mathcal{O}(1; \{2^3, 4^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(1; \{4^{14}, 8^{12}\})$	4398046511104
8	$\mathcal{O}(1; \{2^{16}, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{2^{13}, 4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2^{10}, 4^5, 8^{14}\})$	137438953472
8	$\mathcal{O}(1; \{2^7, 4^7, 8^{14}\})$	549755813888
8	$\mathcal{O}(1; \{2^4, 4^9, 8^{14}\})$	2199023255552
8	$\mathcal{O}(1; \{2, 4^{11}, 8^{14}\})$	8796093022208
8	$\mathcal{O}(1; \{2^{14}, 8^{16}\})$	68719476736
8	$\mathcal{O}(1; \{2^{11}, 4^2, 8^{16}\})$	274877906944
8	$\mathcal{O}(1; \{2^8, 4^4, 8^{16}\})$	1099511627776
8	$\mathcal{O}(1; \{2^5, 4^6, 8^{16}\})$	4398046511104
8	$\mathcal{O}(1; \{2^2, 4^8, 8^{16}\})$	17592186044416
8	$\mathcal{O}(1; \{2^9, 4, 8^{18}\})$	2199023255552
8	$\mathcal{O}(1; \{2^6, 4^3, 8^{18}\})$	8796093022208
8	$\mathcal{O}(1; \{2^3, 4^5, 8^{18}\})$	35184372088832
8	$\mathcal{O}(1; \{4^7, 8^{18}\})$	140737488355328
8	$\mathcal{O}(1; \{2^7, 8^{20}\})$	17592186044416
8	$\mathcal{O}(1; \{2^4, 4^2, 8^{20}\})$	70368744177664
8	$\mathcal{O}(1; \{2, 4^4, 8^{20}\})$	281474976710656
8	$\mathcal{O}(1; \{2^2, 4, 8^{22}\})$	562949953421312
8	$\mathcal{O}(1; \{8^{24}\})$	4503599627370496
8	$\mathcal{O}(0; \{2^{41}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{38}, 4^3, 8^2\})$	32

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{35}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{32}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{29}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{26}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{23}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{20}, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{17}, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{14}, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{11}, 4^{21}, 8^2\})$	8388608
8	$\mathcal{O}(0; \{2^8, 4^{23}, 8^2\})$	33554432
8	$\mathcal{O}(0; \{2^5, 4^{25}, 8^2\})$	134217728
8	$\mathcal{O}(0; \{2^2, 4^{27}, 8^2\})$	536870912
8	$\mathcal{O}(0; \{2^{39}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{36}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{33}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{30}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{27}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{24}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^{21}, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{18}, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{15}, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{12}, 4^{18}, 8^4\})$	16777216
8	$\mathcal{O}(0; \{2^9, 4^{20}, 8^4\})$	67108864
8	$\mathcal{O}(0; \{2^6, 4^{22}, 8^4\})$	268435456
8	$\mathcal{O}(0; \{2^3, 4^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(0; \{4^{26}, 8^4\})$	4294967296
8	$\mathcal{O}(0; \{2^{34}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{31}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{28}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{25}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{22}, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{19}, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{16}, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{13}, 4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^{10}, 4^{17}, 8^6\})$	134217728
8	$\mathcal{O}(0; \{2^7, 4^{19}, 8^6\})$	536870912
8	$\mathcal{O}(0; \{2^4, 4^{21}, 8^6\})$	2147483648
8	$\mathcal{O}(0; \{2, 4^{23}, 8^6\})$	8589934592
8	$\mathcal{O}(0; \{2^{32}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{29}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{26}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{23}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{20}, 4^8, 8^8\})$	4194304

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{17}, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{14}, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{11}, 4^{14}, 8^8\})$	268435456
8	$\mathcal{O}(0; \{2^8, 4^{16}, 8^8\})$	1073741824
8	$\mathcal{O}(0; \{2^5, 4^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(0; \{2^2, 4^{20}, 8^8\})$	17179869184
8	$\mathcal{O}(0; \{2^{27}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{24}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^{21}, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^{18}, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{15}, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{12}, 4^{11}, 8^{10}\})$	536870912
8	$\mathcal{O}(0; \{2^9, 4^{13}, 8^{10}\})$	2147483648
8	$\mathcal{O}(0; \{2^6, 4^{15}, 8^{10}\})$	8589934592
8	$\mathcal{O}(0; \{2^3, 4^{17}, 8^{10}\})$	34359738368
8	$\mathcal{O}(0; \{4^{19}, 8^{10}\})$	137438953472
8	$\mathcal{O}(0; \{2^{25}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^{22}, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^{19}, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^{16}, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{13}, 4^8, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^{10}, 4^{10}, 8^{12}\})$	4294967296
8	$\mathcal{O}(0; \{2^7, 4^{12}, 8^{12}\})$	17179869184
8	$\mathcal{O}(0; \{2^4, 4^{14}, 8^{12}\})$	68719476736
8	$\mathcal{O}(0; \{2, 4^{16}, 8^{12}\})$	274877906944
8	$\mathcal{O}(0; \{2^{20}, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^{17}, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^{14}, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^{11}, 4^7, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^8, 4^9, 8^{14}\})$	34359738368
8	$\mathcal{O}(0; \{2^5, 4^{11}, 8^{14}\})$	137438953472
8	$\mathcal{O}(0; \{2^2, 4^{13}, 8^{14}\})$	549755813888
8	$\mathcal{O}(0; \{2^{18}, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^{15}, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{2^{12}, 4^4, 8^{16}\})$	17179869184
8	$\mathcal{O}(0; \{2^9, 4^6, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^6, 4^8, 8^{16}\})$	274877906944
8	$\mathcal{O}(0; \{2^3, 4^{10}, 8^{16}\})$	1099511627776
8	$\mathcal{O}(0; \{4^{12}, 8^{16}\})$	4398046511104
8	$\mathcal{O}(0; \{2^{13}, 4, 8^{18}\})$	34359738368
8	$\mathcal{O}(0; \{2^{10}, 4^3, 8^{18}\})$	137438953472
8	$\mathcal{O}(0; \{2^7, 4^5, 8^{18}\})$	549755813888
8	$\mathcal{O}(0; \{2^4, 4^7, 8^{18}\})$	2199023255552

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2, 4^9, 8^{18}\})$	8796093022208
8	$\mathcal{O}(0; \{2^{11}, 8^{20}\})$	274877906944
8	$\mathcal{O}(0; \{2^8, 4^2, 8^{20}\})$	1099511627776
8	$\mathcal{O}(0; \{2^5, 4^4, 8^{20}\})$	4398046511104
8	$\mathcal{O}(0; \{2^2, 4^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(0; \{2^6, 4, 8^{22}\})$	8796093022208
8	$\mathcal{O}(0; \{2^3, 4^3, 8^{22}\})$	35184372088832
8	$\mathcal{O}(0; \{4^5, 8^{22}\})$	140737488355328
8	$\mathcal{O}(0; \{2^4, 8^{24}\})$	70368744177664
8	$\mathcal{O}(0; \{2, 4^2, 8^{24}\})$	281474976710656
9	$\mathcal{O}(9; \{3^4\})$	900567809457471792
9	$\mathcal{O}(9; \{9^3\})$	2701703435345984178
9	$\mathcal{O}(8; \{3^7\})$	77826846123815040
9	$\mathcal{O}(8; \{3^3, 9^3\})$	266834907194665104
9	$\mathcal{O}(7; \{3^{10}\})$	7823861383821264
9	$\mathcal{O}(7; \{3^6, 9^3\})$	26354064908115072
9	$\mathcal{O}(7; \{3^2, 9^6\})$	489197329856886024
9	$\mathcal{O}(6; \{3^{13}\})$	771031183759200
9	$\mathcal{O}(6; \{3^9, 9^3\})$	2602870608208896
9	$\mathcal{O}(6; \{3^5, 9^6\})$	48315785664877632
9	$\mathcal{O}(6; \{3, 9^9\})$	630026864209625940
9	$\mathcal{O}(5; \{3^{16}\})$	76171002039792
9	$\mathcal{O}(5; \{3^{12}, 9^3\})$	257073640316928
9	$\mathcal{O}(5; \{3^8, 9^6\})$	4771929448382976
9	$\mathcal{O}(5; \{3^4, 9^9\})$	62224875477493920
9	$\mathcal{O}(5; \{9^{12}\})$	843741859323871602
9	$\mathcal{O}(4; \{3^{19}\})$	7521784441920
9	$\mathcal{O}(4; \{3^{15}, 9^3\})$	25389989167104
9	$\mathcal{O}(4; \{3^{11}, 9^6\})$	471301673914368
9	$\mathcal{O}(4; \{3^7, 9^9\})$	6145666713826560
9	$\mathcal{O}(4; \{3^3, 9^{12}\})$	83332529315937936
9	$\mathcal{O}(3; \{3^{22}\})$	741989508624
9	$\mathcal{O}(3; \{3^{18}, 9^3\})$	2507653251072
9	$\mathcal{O}(3; \{3^{14}, 9^6\})$	46548313473024
9	$\mathcal{O}(3; \{3^{10}, 9^9\})$	606979428526080
9	$\mathcal{O}(3; \{3^6, 9^{12}\})$	8230373265771648
9	$\mathcal{O}(3; \{3^2, 9^{15}\})$	111049034308037352
9	$\mathcal{O}(2; \{3^{25}\})$	72477568800
9	$\mathcal{O}(2; \{3^{21}, 9^3\})$	247669456896
9	$\mathcal{O}(2; \{3^{17}, 9^6\})$	4597364293632
9	$\mathcal{O}(2; \{3^{13}, 9^9\})$	59948585533440
9	$\mathcal{O}(2; \{3^9, 9^{12}\})$	812876371928064
9	$\mathcal{O}(2; \{3^5, 9^{15}\})$	10967805857583936

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(2; \{3, 9^{18}\})$	148075546540696452
9	$\mathcal{O}(1; \{3^{28}\})$	6442450992
9	$\mathcal{O}(1; \{3^{24}, 9^3\})$	24461180928
9	$\mathcal{O}(1; \{3^{20}, 9^6\})$	454060670976
9	$\mathcal{O}(1; \{3^{16}, 9^9\})$	5920847953920
9	$\mathcal{O}(1; \{3^{12}, 9^{12}\})$	80284086116352
9	$\mathcal{O}(1; \{3^8, 9^{15}\})$	1083240084699648
9	$\mathcal{O}(1; \{3^4, 9^{18}\})$	14624745337352736
9	$\mathcal{O}(1; \{9^{21}\})$	197432367477043050
9	$\mathcal{O}(0; \{3^{27}, 9^3\})$	2415919104
9	$\mathcal{O}(0; \{3^{23}, 9^6\})$	44845498368
9	$\mathcal{O}(0; \{3^{19}, 9^9\})$	584775106560
9	$\mathcal{O}(0; \{3^{15}, 9^{12}\})$	7929292455936
9	$\mathcal{O}(0; \{3^{11}, 9^{15}\})$	106986675032064
9	$\mathcal{O}(0; \{3^7, 9^{18}\})$	1444419292578048
9	$\mathcal{O}(0; \{3^3, 9^{21}\})$	19499493084152400
10	$\mathcal{O}(8; \{2^2, 10^2\})$	40000000000000000
10	$\mathcal{O}(7; \{5^6\})$	81994995117187500
10	$\mathcal{O}(7; \{2^3, 5^3, 10\})$	52000000000000000
10	$\mathcal{O}(7; \{2^6, 10^2\})$	40000000000000000
10	$\mathcal{O}(7; \{2, 5^2, 10^3\})$	20400000000000000
10	$\mathcal{O}(6; \{2^4, 5^6\})$	82000000000000000
10	$\mathcal{O}(6; \{2^7, 5^3, 10\})$	52000000000000000
10	$\mathcal{O}(6; \{2^{10}, 10^2\})$	40000000000000000
10	$\mathcal{O}(6; \{2^2, 5^5, 10^2\})$	32760000000000000
10	$\mathcal{O}(6; \{2^5, 5^2, 10^3\})$	20400000000000000
10	$\mathcal{O}(6; \{5^4, 10^4\})$	131080000000000000
10	$\mathcal{O}(6; \{2^3, 5, 10^5\})$	82000000000000000
10	$\mathcal{O}(6; \{2, 10^7\})$	32760000000000000
10	$\mathcal{O}(5; \{2^8, 5^6\})$	82000000000000000
10	$\mathcal{O}(5; \{5^{11}\})$	8380408007812500
10	$\mathcal{O}(5; \{2^{11}, 5^3, 10\})$	52000000000000000
10	$\mathcal{O}(5; \{2^3, 5^8, 10\})$	52428000000000000
10	$\mathcal{O}(5; \{2^{14}, 10^2\})$	40000000000000000
10	$\mathcal{O}(5; \{2^6, 5^5, 10^2\})$	32760000000000000
10	$\mathcal{O}(5; \{2^9, 5^2, 10^3\})$	20400000000000000
10	$\mathcal{O}(5; \{2, 5^7, 10^3\})$	20971600000000000
10	$\mathcal{O}(5; \{2^4, 5^4, 10^4\})$	131080000000000000
10	$\mathcal{O}(5; \{2^7, 5, 10^5\})$	82000000000000000
10	$\mathcal{O}(5; \{2^2, 5^3, 10^6\})$	52428000000000000
10	$\mathcal{O}(5; \{2^5, 10^7\})$	32760000000000000
10	$\mathcal{O}(5; \{5^2, 10^8\})$	20971600000000000
10	$\mathcal{O}(4; \{2^{12}, 5^6\})$	82000000000000000

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{2^4, 5^{11}\})$	8388600000000
10	$\mathcal{O}(4; \{2^{15}, 5^3, 10\})$	520000000
10	$\mathcal{O}(4; \{2^7, 5^8, 10\})$	5242800000000
10	$\mathcal{O}(4; \{2^{18}, 10^2\})$	400000000
10	$\mathcal{O}(4; \{2^{10}, 5^5, 10^2\})$	327600000000
10	$\mathcal{O}(4; \{2^2, 5^{10}, 10^2\})$	335544400000000
10	$\mathcal{O}(4; \{2^{13}, 5^2, 10^3\})$	20400000000
10	$\mathcal{O}(4; \{2^5, 5^7, 10^3\})$	2097160000000
10	$\mathcal{O}(4; \{2^8, 5^4, 10^4\})$	1310800000000
10	$\mathcal{O}(4; \{5^9, 10^4\})$	134217720000000
10	$\mathcal{O}(4; \{2^{11}, 5, 10^5\})$	82000000000
10	$\mathcal{O}(4; \{2^3, 5^6, 10^5\})$	83886000000000
10	$\mathcal{O}(4; \{2^6, 5^3, 10^6\})$	5242800000000
10	$\mathcal{O}(4; \{2^9, 10^7\})$	327600000000
10	$\mathcal{O}(4; \{2, 5^5, 10^7\})$	335544400000000
10	$\mathcal{O}(4; \{2^4, 5^2, 10^8\})$	2097160000000
10	$\mathcal{O}(4; \{2^2, 5, 10^{10}\})$	83886000000000
10	$\mathcal{O}(4; \{10^{12}\})$	335544400000000
10	$\mathcal{O}(3; \{2^{16}, 5^6\})$	820000000
10	$\mathcal{O}(3; \{2^8, 5^{11}\})$	8388600000000
10	$\mathcal{O}(3; \{5^{16}\})$	845571687187500
10	$\mathcal{O}(3; \{2^{19}, 5^3, 10\})$	52000000
10	$\mathcal{O}(3; \{2^{11}, 5^8, 10\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^{13}, 10\})$	53687092000000
10	$\mathcal{O}(3; \{2^{22}, 10^2\})$	4000000
10	$\mathcal{O}(3; \{2^{14}, 5^5, 10^2\})$	3276000000
10	$\mathcal{O}(3; \{2^6, 5^{10}, 10^2\})$	33554440000000
10	$\mathcal{O}(3; \{2^{17}, 5^2, 10^3\})$	204000000
10	$\mathcal{O}(3; \{2^9, 5^7, 10^3\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^{12}, 10^3\})$	214748364000000
10	$\mathcal{O}(3; \{2^{12}, 5^4, 10^4\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^9, 10^4\})$	13421772000000
10	$\mathcal{O}(3; \{2^{15}, 5, 10^5\})$	820000000
10	$\mathcal{O}(3; \{2^7, 5^6, 10^5\})$	8388600000000
10	$\mathcal{O}(3; \{2^{10}, 5^3, 10^6\})$	52428000000
10	$\mathcal{O}(3; \{2^2, 5^8, 10^6\})$	53687092000000
10	$\mathcal{O}(3; \{2^{13}, 10^7\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 5^5, 10^7\})$	3355444000000
10	$\mathcal{O}(3; \{2^8, 5^2, 10^8\})$	209716000000
10	$\mathcal{O}(3; \{5^7, 10^8\})$	214748364000000
10	$\mathcal{O}(3; \{2^3, 5^4, 10^9\})$	13421772000000
10	$\mathcal{O}(3; \{2^6, 5, 10^{10}\})$	838860000000
10	$\mathcal{O}(3; \{2, 5^3, 10^{11}\})$	53687092000000

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^4, 10^{12}\})$	3355444000000
10	$\mathcal{O}(2; \{2^{20}, 5^6\})$	8200000
10	$\mathcal{O}(2; \{2^{12}, 5^{11}\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^{16}\})$	8589934600000
10	$\mathcal{O}(2; \{2^{23}, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2^{15}, 5^8, 10\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^{13}, 10\})$	536870920000
10	$\mathcal{O}(2; \{2^{26}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^{18}, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5^{10}, 10^2\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^{15}, 10^2\})$	34359738360000
10	$\mathcal{O}(2; \{2^{21}, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{2^{13}, 5^7, 10^3\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^{12}, 10^3\})$	2147483640000
10	$\mathcal{O}(2; \{2^{16}, 5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^9, 10^4\})$	134217720000
10	$\mathcal{O}(2; \{5^{14}, 10^4\})$	137438953480000
10	$\mathcal{O}(2; \{2^{19}, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{2^{11}, 5^6, 10^5\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^{11}, 10^5\})$	8589934600000
10	$\mathcal{O}(2; \{2^{14}, 5^3, 10^6\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^8, 10^6\})$	536870920000
10	$\mathcal{O}(2; \{2^{17}, 10^7\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^5, 10^7\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^{10}, 10^7\})$	34359738360000
10	$\mathcal{O}(2; \{2^{12}, 5^2, 10^8\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^7, 10^8\})$	2147483640000
10	$\mathcal{O}(2; \{2^7, 5^4, 10^9\})$	134217720000
10	$\mathcal{O}(2; \{2^{10}, 5, 10^{10}\})$	8388600000
10	$\mathcal{O}(2; \{2^2, 5^6, 10^{10}\})$	8589934600000
10	$\mathcal{O}(2; \{2^5, 5^3, 10^{11}\})$	536870920000
10	$\mathcal{O}(2; \{2^8, 10^{12}\})$	33554440000
10	$\mathcal{O}(2; \{5^5, 10^{12}\})$	34359738360000
10	$\mathcal{O}(2; \{2^3, 5^2, 10^{13}\})$	2147483640000
10	$\mathcal{O}(2; \{2, 5, 10^{15}\})$	8589934600000
10	$\mathcal{O}(1; \{2^{24}, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^{16}, 5^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^{16}\})$	85899346000
10	$\mathcal{O}(1; \{5^{21}\})$	65970697666500
10	$\mathcal{O}(1; \{2^{27}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^{19}, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2^{11}, 5^{13}, 10\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^{18}, 10\})$	5497558138800

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{30}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^{22}, 5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{2^{14}, 5^{10}, 10^2\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^{15}, 10^2\})$	343597383600
10	$\mathcal{O}(1; \{2^{25}, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2^{17}, 5^7, 10^3\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^{12}, 10^3\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^{17}, 10^3\})$	21990232555600
10	$\mathcal{O}(1; \{2^{20}, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{2^{12}, 5^9, 10^4\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^{14}, 10^4\})$	1374389534800
10	$\mathcal{O}(1; \{2^{23}, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2^{15}, 5^6, 10^5\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^{11}, 10^5\})$	85899346000
10	$\mathcal{O}(1; \{2^{18}, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^8, 10^6\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^{13}, 10^6\})$	5497558138800
10	$\mathcal{O}(1; \{2^{21}, 10^7\})$	327600
10	$\mathcal{O}(1; \{2^{13}, 5^5, 10^7\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^{10}, 10^7\})$	343597383600
10	$\mathcal{O}(1; \{2^{16}, 5^2, 10^8\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^7, 10^8\})$	21474836400
10	$\mathcal{O}(1; \{5^{12}, 10^8\})$	21990232555600
10	$\mathcal{O}(1; \{2^{11}, 5^4, 10^9\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^9, 10^9\})$	1374389534800
10	$\mathcal{O}(1; \{2^{14}, 5, 10^{10}\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^6, 10^{10}\})$	85899346000
10	$\mathcal{O}(1; \{2^9, 5^3, 10^{11}\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^8, 10^{11}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{12}, 10^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^5, 10^{12}\})$	343597383600
10	$\mathcal{O}(1; \{2^7, 5^2, 10^{13}\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^4, 10^{14}\})$	1374389534800
10	$\mathcal{O}(1; \{2^5, 5, 10^{15}\})$	85899346000
10	$\mathcal{O}(1; \{5^3, 10^{16}\})$	5497558138800
10	$\mathcal{O}(1; \{2^3, 10^{17}\})$	343597383600
10	$\mathcal{O}(0; \{2^{28}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^{20}, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^{16}\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{21}\})$	879609302220
10	$\mathcal{O}(0; \{2^{31}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^{23}, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2^{15}, 5^{13}, 10\})$	53687092

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^{18}, 10\})$	54975581388
10	$\mathcal{O}(0; \{2^{34}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^{26}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^{18}, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^{15}, 10^2\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{20}, 10^2\})$	3518437208884
10	$\mathcal{O}(0; \{2^{29}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^{21}, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2^{13}, 5^{12}, 10^3\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^{17}, 10^3\})$	219902325556
10	$\mathcal{O}(0; \{2^{24}, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^{16}, 5^9, 10^4\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^{14}, 10^4\})$	13743895348
10	$\mathcal{O}(0; \{5^{19}, 10^4\})$	14073748835532
10	$\mathcal{O}(0; \{2^{27}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^{19}, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^{11}, 10^5\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{16}, 10^5\})$	879609302220
10	$\mathcal{O}(0; \{2^{22}, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^{14}, 5^8, 10^6\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^{13}, 10^6\})$	54975581388
10	$\mathcal{O}(0; \{2^{25}, 10^7\})$	3276
10	$\mathcal{O}(0; \{2^{17}, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^{10}, 10^7\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{15}, 10^7\})$	3518437208884
10	$\mathcal{O}(0; \{2^{20}, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^7, 10^8\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{12}, 10^8\})$	219902325556
10	$\mathcal{O}(0; \{2^{15}, 5^4, 10^9\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^9, 10^9\})$	13743895348
10	$\mathcal{O}(0; \{2^{18}, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^6, 10^{10}\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^{11}, 10^{10}\})$	879609302220
10	$\mathcal{O}(0; \{2^{13}, 5^3, 10^{11}\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^8, 10^{11}\})$	54975581388
10	$\mathcal{O}(0; \{2^{16}, 10^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^5, 10^{12}\})$	3435973836
10	$\mathcal{O}(0; \{5^{10}, 10^{12}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{11}, 5^2, 10^{13}\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^7, 10^{13}\})$	219902325556
10	$\mathcal{O}(0; \{2^6, 5^4, 10^{14}\})$	13743895348
10	$\mathcal{O}(0; \{2^9, 5, 10^{15}\})$	858993460
10	$\mathcal{O}(0; \{2, 5^6, 10^{15}\})$	879609302220

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^4, 5^3, 10^{16}\})$	54975581388
10	$\mathcal{O}(0; \{2^7, 10^{17}\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^2, 10^{18}\})$	219902325556
10	$\mathcal{O}(0; \{5, 10^{20}\})$	879609302220
11	$\mathcal{O}(5; \{11^8\})$	235794792679476910
11	$\mathcal{O}(0; \{11^{19}\})$	909090909090909090
12	$\mathcal{O}(8; \emptyset)$	184881433490227200
12	$\mathcal{O}(7; \{2^4\})$	1283839831965696
12	$\mathcal{O}(7; \{3^3\})$	2567680200769536
12	$\mathcal{O}(7; \{2, 4^2\})$	2567836392226816
12	$\mathcal{O}(7; \{2, 3, 6\})$	2567680200769536
12	$\mathcal{O}(6; \{2^8\})$	8913906892800
12	$\mathcal{O}(6; \{2^4, 3^3\})$	17827847331840
12	$\mathcal{O}(6; \{3^6\})$	196106320650240
12	$\mathcal{O}(6; \{2^5, 4^2\})$	17832167342080
12	$\mathcal{O}(6; \{2, 3^3, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 4^4\})$	71328669368320
12	$\mathcal{O}(6; \{2^5, 3, 6\})$	17827847331840
12	$\mathcal{O}(6; \{2, 3^4, 6\})$	89139236659200
12	$\mathcal{O}(6; \{2^2, 3, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 3^2, 6^2\})$	53483541995520
12	$\mathcal{O}(6; \{2^3, 6^3\})$	17827847331840
12	$\mathcal{O}(6; \{4^2, 6^3\})$	35664401793024
12	$\mathcal{O}(6; \{3, 6^4\})$	89139236659200
12	$\mathcal{O}(6; \{2^2, 3^2, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^3, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{4^3, 6, 12\})$	142657607172096
12	$\mathcal{O}(6; \{3, 4, 6^2, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^3, 3, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{3, 4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{3^2, 6, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2, 6^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{2, 4, 12^3\})$	142657607172096
12	$\mathcal{O}(5; \{2^{12}\})$	61855850496
12	$\mathcal{O}(5; \{2^8, 3^3\})$	123713796096
12	$\mathcal{O}(5; \{2^4, 3^6\})$	1360851757056
12	$\mathcal{O}(5; \{3^9\})$	10515672668160
12	$\mathcal{O}(5; \{2^9, 4^2\})$	123832631296
12	$\mathcal{O}(5; \{2^5, 3^3, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^6, 4^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^6, 4^4\})$	495330525184
12	$\mathcal{O}(5; \{2^2, 3^3, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{2^3, 4^6\})$	1981322100736

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{4^8\})$	7925288402944
12	$\mathcal{O}(5; \{2^9, 3, 6\})$	123713796096
12	$\mathcal{O}(5; \{2^5, 3^4, 6\})$	618568980480
12	$\mathcal{O}(5; \{2, 3^7, 6\})$	5319693232128
12	$\mathcal{O}(5; \{2^6, 3, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^4, 4^2, 6\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 3, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^6, 6\})$	3962711310336
12	$\mathcal{O}(5; \{2^6, 3^2, 6^2\})$	371141388288
12	$\mathcal{O}(5; \{2^2, 3^5, 6^2\})$	2597989718016
12	$\mathcal{O}(5; \{2^3, 3^2, 4^2, 6^2\})$	743008370688
12	$\mathcal{O}(5; \{3^2, 4^4, 6^2\})$	2972033482752
12	$\mathcal{O}(5; \{2^7, 6^3\})$	123713796096
12	$\mathcal{O}(5; \{2^3, 3^3, 6^3\})$	1360851757056
12	$\mathcal{O}(5; \{2^4, 4^2, 6^3\})$	247669456896
12	$\mathcal{O}(5; \{3^3, 4^2, 6^3\})$	2724364025856
12	$\mathcal{O}(5; \{2, 4^4, 6^3\})$	990677827584
12	$\mathcal{O}(5; \{2^4, 3, 6^4\})$	618568980480
12	$\mathcal{O}(5; \{3^4, 6^4\})$	5319693232128
12	$\mathcal{O}(5; \{2, 3, 4^2, 6^4\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^2, 6^5\})$	2597989718016
12	$\mathcal{O}(5; \{2^2, 6^6\})$	1360851757056
12	$\mathcal{O}(5; \{2^6, 3^2, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^5, 4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 3^2, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^2, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^7, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^3, 4, 6, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4^3, 6, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2, 4^5, 6, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3, 4, 6^2, 12\})$	743008370688
12	$\mathcal{O}(5; \{3^4, 4, 6^2, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3, 4^3, 6^2, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3^2, 4, 6^3, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 4, 6^4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2^7, 3, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^4, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 3, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{3^4, 4^2, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2, 3, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3^2, 6, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^5, 6, 12^2\})$	10649786646528

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2, 3^2, 4^2, 6, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^5, 6^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^3, 6^2, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 4^2, 6^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3, 6^3, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{6^5, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^5, 4, 12^3\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^3, 4, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 4^3, 12^3\})$	3962711310336
12	$\mathcal{O}(5; \{2^2, 3, 4, 6, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{4, 6^3, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 3^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{2^3, 6, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{4^2, 6, 12^4\})$	19813556551680
12	$\mathcal{O}(5; \{3, 6^2, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{3, 4, 12^5\})$	43589824413696
12	$\mathcal{O}(5; \{2, 12^6\})$	43589824413696
12	$\mathcal{O}(4; \{2^{16}\})$	428236800
12	$\mathcal{O}(4; \{2^{12}, 3^3\})$	856604160
12	$\mathcal{O}(4; \{2^8, 3^6\})$	9422645760
12	$\mathcal{O}(4; \{2^4, 3^9\})$	72811353600
12	$\mathcal{O}(4; \{3^{12}\})$	585060641280
12	$\mathcal{O}(4; \{2^{13}, 4^2\})$	859832320
12	$\mathcal{O}(4; \{2^9, 3^3, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^6, 4^2\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^9, 4^2\})$	146193776640
12	$\mathcal{O}(4; \{2^{10}, 4^4\})$	3439329280
12	$\mathcal{O}(4; \{2^6, 3^3, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^6, 4^4\})$	75676778496
12	$\mathcal{O}(4; \{2^7, 4^6\})$	13757317120
12	$\mathcal{O}(4; \{2^3, 3^3, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{2^4, 4^8\})$	55029268480
12	$\mathcal{O}(4; \{3^3, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{2, 4^{10}\})$	220117073920
12	$\mathcal{O}(4; \{2^{13}, 3, 6\})$	856604160
12	$\mathcal{O}(4; \{2^9, 3^4, 6\})$	4283020800
12	$\mathcal{O}(4; \{2^5, 3^7, 6\})$	36833978880
12	$\mathcal{O}(4; \{2, 3^{10}, 6\})$	292102018560
12	$\mathcal{O}(4; \{2^{10}, 3, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^4, 4^2, 6\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^7, 4^2, 6\})$	73956851712
12	$\mathcal{O}(4; \{2^7, 3, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^4, 4^4, 6\})$	34398535680

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{3^4, 4^6, 6\})$	137594142720
12	$\mathcal{O}(4; \{2, 3, 4^8, 6\})$	110075314176
12	$\mathcal{O}(4; \{2^{10}, 3^2, 6^2\})$	2569812480
12	$\mathcal{O}(4; \{2^6, 3^5, 6^2\})$	17988687360
12	$\mathcal{O}(4; \{2^2, 3^8, 6^2\})$	146479311360
12	$\mathcal{O}(4; \{2^7, 3^2, 4^2, 6^2\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^5, 4^2, 6^2\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3^2, 4^4, 6^2\})$	20639121408
12	$\mathcal{O}(4; \{3^5, 4^4, 6^2\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^2, 4^6, 6^2\})$	82556485632
12	$\mathcal{O}(4; \{2^{11}, 6^3\})$	856604160
12	$\mathcal{O}(4; \{2^7, 3^3, 6^3\})$	9422645760
12	$\mathcal{O}(4; \{2^3, 3^6, 6^3\})$	72811353600
12	$\mathcal{O}(4; \{2^8, 4^2, 6^3\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 3^3, 4^2, 6^3\})$	18919194624
12	$\mathcal{O}(4; \{3^6, 4^2, 6^3\})$	146193776640
12	$\mathcal{O}(4; \{2^5, 4^4, 6^3\})$	6879707136
12	$\mathcal{O}(4; \{2, 3^3, 4^4, 6^3\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 4^6, 6^3\})$	27518828544
12	$\mathcal{O}(4; \{2^8, 3, 6^4\})$	4283020800
12	$\mathcal{O}(4; \{2^4, 3^4, 6^4\})$	36833978880
12	$\mathcal{O}(4; \{3^7, 6^4\})$	292102018560
12	$\mathcal{O}(4; \{2^5, 3, 4^2, 6^4\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^4, 4^2, 6^4\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 3, 4^4, 6^4\})$	34398535680
12	$\mathcal{O}(4; \{2^5, 3^2, 6^5\})$	17988687360
12	$\mathcal{O}(4; \{2, 3^5, 6^5\})$	146479311360
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 6^5\})$	36118462464
12	$\mathcal{O}(4; \{2^6, 6^6\})$	9422645760
12	$\mathcal{O}(4; \{2^2, 3^3, 6^6\})$	72811353600
12	$\mathcal{O}(4; \{2^3, 4^2, 6^6\})$	18919194624
12	$\mathcal{O}(4; \{4^4, 6^6\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3, 6^7\})$	36833978880
12	$\mathcal{O}(4; \{3, 4^2, 6^7\})$	73956851712
12	$\mathcal{O}(4; \{3^2, 6^8\})$	146479311360
12	$\mathcal{O}(4; \{2, 6^9\})$	72811353600
12	$\mathcal{O}(4; \{2^{10}, 3^2, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^5, 4, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^8, 4, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3^2, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^5, 4^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 3^2, 4^5, 12\})$	27518828544

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3^5, 4^5, 12\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^2, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^{11}, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^3, 4, 6, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^6, 4, 6, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4^3, 6, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^6, 4^3, 6, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^5, 6, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3, 4, 6^2, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^4, 4, 6^2, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^7, 4, 6^2, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3, 4^3, 6^2, 12\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^4, 4^3, 6^2, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3, 4^5, 6^2, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^5, 3^2, 4, 6^3, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^5, 4, 6^3, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3^2, 4^3, 6^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^6, 4, 6^4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^3, 4, 6^4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 4^3, 6^4, 12\})$	34398535680
12	$\mathcal{O}(4; \{4^5, 6^4, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3, 4, 6^5, 12\})$	36118462464
12	$\mathcal{O}(4; \{3, 4^3, 6^5, 12\})$	144473849856
12	$\mathcal{O}(4; \{3^2, 4, 6^6, 12\})$	146193776640
12	$\mathcal{O}(4; \{2, 4, 6^7, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^{11}, 3, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 3, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^4, 4^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^7, 4^2, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 3, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^4, 4^4, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3^2, 6, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^5, 6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^8, 6, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^5, 3^2, 4^2, 6, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^5, 4^2, 6, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3^2, 4^4, 6, 12^2\})$	137594142720

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^9, 6^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^3, 6^2, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^6, 6^2, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 4^2, 6^2, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^3, 4^2, 6^2, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 4^4, 6^2, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{4^6, 6^2, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^6, 3, 6^3, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^4, 6^3, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 6^3, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3, 4^4, 6^3, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 3^2, 6^4, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^2, 4^2, 6^4, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 6^5, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{3^3, 6^5, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2, 4^2, 6^5, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2, 3, 6^6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^9, 4, 12^3\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^3, 4, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^6, 4, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^6, 4^3, 12^3\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^3, 4^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 4^5, 12^3\})$	110075314176
12	$\mathcal{O}(4; \{4^7, 12^3\})$	440301256704
12	$\mathcal{O}(4; \{2^6, 3, 4, 6, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^4, 4, 6, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3, 4^3, 6, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{3, 4^5, 6, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^3, 3^2, 4, 6^2, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^2, 4^3, 6^2, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^4, 4, 6^3, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{3^3, 4, 6^3, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2, 4^3, 6^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2, 3, 4, 6^4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^6, 3^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{3^2, 4^4, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^7, 6, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^3, 6, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 4^2, 6, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{3^3, 4^2, 6, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2, 4^4, 6, 12^4\})$	550376570880

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3, 6^2, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3^4, 6^2, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^2, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^2, 6^3, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 6^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 3, 4, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{3^4, 4, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2, 3, 4^3, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{2, 3^2, 4, 6, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 4, 6^2, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{2^5, 12^6\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^3, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2^2, 4^2, 12^6\})$	1210828455936
12	$\mathcal{O}(4; \{2^2, 3, 6, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{6^3, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{4, 6, 12^7\})$	4733238509568
12	$\mathcal{O}(4; \{3, 12^8\})$	9356401704960
12	$\mathcal{O}(3; \{2^{20}\})$	2935296
12	$\mathcal{O}(3; \{2^{16}, 3^3\})$	5878656
12	$\mathcal{O}(3; \{2^{12}, 3^6\})$	64665216
12	$\mathcal{O}(3; \{2^8, 3^9\})$	499685760
12	$\mathcal{O}(3; \{2^4, 3^{12}\})$	4015122048
12	$\mathcal{O}(3; \{3^{15}\})$	32103340416
12	$\mathcal{O}(3; \{2^{17}, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^{13}, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^6, 4^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^9, 4^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^{12}, 4^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{14}, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^6, 4^4\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^9, 4^4\})$	4060938240
12	$\mathcal{O}(3; \{2^{11}, 4^6\})$	95420416
12	$\mathcal{O}(3; \{2^7, 3^3, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^6, 4^6\})$	2102132736
12	$\mathcal{O}(3; \{2^8, 4^8\})$	381681664
12	$\mathcal{O}(3; \{2^4, 3^3, 4^8\})$	764411904
12	$\mathcal{O}(3; \{3^6, 4^8\})$	8408530944
12	$\mathcal{O}(3; \{2^5, 4^{10}\})$	1526726656
12	$\mathcal{O}(3; \{2, 3^3, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{2^2, 4^{12}\})$	6106906624
12	$\mathcal{O}(3; \{2^{17}, 3, 6\})$	5878656
12	$\mathcal{O}(3; \{2^{13}, 3^4, 6\})$	29393280

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^9, 3^7, 6\})$	252782208
12	$\mathcal{O}(3; \{2^5, 3^{10}, 6\})$	2004621696
12	$\mathcal{O}(3; \{2, 3^{13}, 6\})$	16054609536
12	$\mathcal{O}(3; \{2^{14}, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4^2, 6\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^7, 4^2, 6\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4^2, 6\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^4, 4^4, 6\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^7, 4^4, 6\})$	2054356992
12	$\mathcal{O}(3; \{2^8, 3, 4^6, 6\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^4, 4^6, 6\})$	955514880
12	$\mathcal{O}(3; \{3^7, 4^6, 6\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 3, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{2, 3^4, 4^8, 6\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{2^{14}, 3^2, 6^2\})$	17635968
12	$\mathcal{O}(3; \{2^{10}, 3^5, 6^2\})$	123451776
12	$\mathcal{O}(3; \{2^6, 3^8, 6^2\})$	1005250176
12	$\mathcal{O}(3; \{2^2, 3^{11}, 6^2\})$	8024365440
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^5, 4^2, 6^2\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^8, 4^2, 6^2\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3^2, 4^4, 6^2\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^5, 4^4, 6^2\})$	1003290624
12	$\mathcal{O}(3; \{3^8, 4^4, 6^2\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3^2, 4^6, 6^2\})$	573308928
12	$\mathcal{O}(3; \{2, 3^5, 4^6, 6^2\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^2, 4^8, 6^2\})$	2293235712
12	$\mathcal{O}(3; \{2^{15}, 6^3\})$	5878656
12	$\mathcal{O}(3; \{2^{11}, 3^3, 6^3\})$	64665216
12	$\mathcal{O}(3; \{2^7, 3^6, 6^3\})$	499685760
12	$\mathcal{O}(3; \{2^3, 3^9, 6^3\})$	4015122048
12	$\mathcal{O}(3; \{2^{12}, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{2^8, 3^3, 4^2, 6^3\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^6, 4^2, 6^3\})$	1015234560
12	$\mathcal{O}(3; \{3^9, 4^2, 6^3\})$	8157708288
12	$\mathcal{O}(3; \{2^9, 4^4, 6^3\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^3, 4^4, 6^3\})$	525533184
12	$\mathcal{O}(3; \{2, 3^6, 4^4, 6^3\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 4^6, 6^3\})$	191102976
12	$\mathcal{O}(3; \{2^2, 3^3, 4^6, 6^3\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 4^8, 6^3\})$	764411904

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{4^{10}, 6^3\})$	3057647616
12	$\mathcal{O}(3; \{2^{12}, 3, 6^4\})$	29393280
12	$\mathcal{O}(3; \{2^8, 3^4, 6^4\})$	252782208
12	$\mathcal{O}(3; \{2^4, 3^7, 6^4\})$	2004621696
12	$\mathcal{O}(3; \{3^{10}, 6^4\})$	16054609536
12	$\mathcal{O}(3; \{2^9, 3, 4^2, 6^4\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^4, 4^2, 6^4\})$	513589248
12	$\mathcal{O}(3; \{2, 3^7, 4^2, 6^4\})$	4072882176
12	$\mathcal{O}(3; \{2^6, 3, 4^4, 6^4\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^4, 4^4, 6^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3, 4^6, 6^4\})$	955514880
12	$\mathcal{O}(3; \{3, 4^8, 6^4\})$	3822059520
12	$\mathcal{O}(3; \{2^9, 3^2, 6^5\})$	123451776
12	$\mathcal{O}(3; \{2^5, 3^5, 6^5\})$	1005250176
12	$\mathcal{O}(3; \{2, 3^8, 6^5\})$	8024365440
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 6^5\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 6^5\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 6^5\})$	1003290624
12	$\mathcal{O}(3; \{3^2, 4^6, 6^5\})$	4013162496
12	$\mathcal{O}(3; \{2^{10}, 6^6\})$	64665216
12	$\mathcal{O}(3; \{2^6, 3^3, 6^6\})$	499685760
12	$\mathcal{O}(3; \{2^2, 3^6, 6^6\})$	4015122048
12	$\mathcal{O}(3; \{2^7, 4^2, 6^6\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6^6\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 4^4, 6^6\})$	525533184
12	$\mathcal{O}(3; \{3^3, 4^4, 6^6\})$	4060938240
12	$\mathcal{O}(3; \{2, 4^6, 6^6\})$	2102132736
12	$\mathcal{O}(3; \{2^7, 3, 6^7\})$	252782208
12	$\mathcal{O}(3; \{2^3, 3^4, 6^7\})$	2004621696
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^7\})$	513589248
12	$\mathcal{O}(3; \{3^4, 4^2, 6^7\})$	4072882176
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^7\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^2, 6^8\})$	1005250176
12	$\mathcal{O}(3; \{3^5, 6^8\})$	8024365440
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^8\})$	2042413056
12	$\mathcal{O}(3; \{2^5, 6^9\})$	499685760
12	$\mathcal{O}(3; \{2, 3^3, 6^9\})$	4015122048
12	$\mathcal{O}(3; \{2^2, 4^2, 6^9\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3, 6^{10}\})$	2004621696
12	$\mathcal{O}(3; \{6^{12}\})$	4015122048
12	$\mathcal{O}(3; \{2^{14}, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^5, 4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^8, 4, 12\})$	1015234560

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^{11}, 4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^5, 4^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^8, 4^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 3^2, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^5, 4^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^8, 4^5, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 3^2, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2, 3^5, 4^7, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3^2, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{15}, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4, 6, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^6, 4, 6, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^9, 4, 6, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{12}, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4^3, 6, 12\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^6, 4^3, 6, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^9, 4^3, 6, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^5, 6, 12\})$	955514880
12	$\mathcal{O}(3; \{2, 3^6, 4^5, 6, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^7, 6, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{4^{11}, 6, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^4, 4, 6^2, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^7, 4, 6^2, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^{10}, 4, 6^2, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3, 4^3, 6^2, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^4, 4^3, 6^2, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^7, 4^3, 6^2, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3, 4^5, 6^2, 12\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^4, 4^5, 6^2, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3, 4^7, 6^2, 12\})$	2293235712
12	$\mathcal{O}(3; \{3, 4^9, 6^2, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^9, 3^2, 4, 6^3, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^5, 4, 6^3, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^8, 4, 6^3, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3^2, 4^3, 6^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^5, 4^3, 6^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^2, 4^5, 6^3, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^2, 4^7, 6^3, 12\})$	8408530944

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{10}, 4, 6^4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^3, 4, 6^4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^6, 4, 6^4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 4^3, 6^4, 12\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^3, 4^3, 6^4, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 4^5, 6^4, 12\})$	955514880
12	$\mathcal{O}(3; \{3^3, 4^5, 6^4, 12\})$	8217427968
12	$\mathcal{O}(3; \{2, 4^7, 6^4, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^7, 3, 4, 6^5, 12\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 6^5, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 6^5, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^4, 4^3, 6^5, 12\})$	8169652224
12	$\mathcal{O}(3; \{2, 3, 4^5, 6^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6^6, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^5, 4, 6^6, 12\})$	8157708288
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6^6, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^5, 4, 6^7, 12\})$	513589248
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^7, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 4^3, 6^7, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^8, 12\})$	2042413056
12	$\mathcal{O}(3; \{4, 6^{10}, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{15}, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^{10}, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^4, 4^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^7, 4^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^{10}, 4^2, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 3, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^4, 4^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^7, 4^4, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 3, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^4, 4^6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 3, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{3, 4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^5, 6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^8, 6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^{11}, 6, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^9, 3^2, 4^2, 6, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^5, 4^2, 6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^8, 4^2, 6, 12^2\})$	16291528704

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^6, 3^2, 4^4, 6, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^5, 4^4, 6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^2, 4^6, 6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3^2, 4^8, 6, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^{13}, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^3, 6^2, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^6, 6^2, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^9, 6^2, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 4^2, 6^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^3, 4^2, 6^2, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^6, 4^2, 6^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 4^4, 6^2, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^3, 4^4, 6^2, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 4^6, 6^2, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{3^3, 4^6, 6^2, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2, 4^8, 6^2, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{10}, 3, 6^3, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^4, 6^3, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^7, 6^3, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 6^3, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 6^3, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 6^3, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^4, 4^4, 6^3, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2, 3, 4^6, 6^3, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^7, 3^2, 6^4, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^5, 6^4, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6^4, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^5, 4^2, 6^4, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^8, 6^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^3, 6^5, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^6, 6^5, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 4^2, 6^5, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^5, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 4^4, 6^5, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3, 6^6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^4, 6^6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^2, 6^7, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 6^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{4^2, 6^8, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{3, 6^9, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{13}, 4, 12^3\})$	47775744

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^9, 3^3, 4, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^6, 4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^9, 4, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^{10}, 4^3, 12^3\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^3, 4^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^6, 4^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^7, 4^5, 12^3\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^3, 4^5, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^4, 4^7, 12^3\})$	3057647616
12	$\mathcal{O}(3; \{3^3, 4^7, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2, 4^9, 12^3\})$	12230590464
12	$\mathcal{O}(3; \{2^{10}, 3, 4, 6, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^4, 4, 6, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^7, 4, 6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3, 4^3, 6, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^4, 4^3, 6, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3, 4^5, 6, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{3^4, 4^5, 6, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2, 3, 4^7, 6, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^7, 3^2, 4, 6^2, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^5, 4, 6^2, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 3^2, 4^3, 6^2, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^5, 4^3, 6^2, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^2, 4^5, 6^2, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^8, 4, 6^3, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 6^3, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^6, 4, 6^3, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 4^3, 6^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 6^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 4^5, 6^3, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{2^5, 3, 4, 6^4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^4, 4, 6^4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6^4, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^5, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 4, 6^6, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{4^3, 6^6, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{3, 4, 6^7, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^{10}, 3^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^8, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 12^4\})$	8408530944

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^5, 4^4, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^{11}, 6, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^3, 6, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^6, 6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 4^2, 6, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^6, 4^2, 6, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 4^4, 6, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 4^6, 6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{2^8, 3, 6^2, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^4, 6^2, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^7, 6^2, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^2, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^5, 3^2, 6^3, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^5, 6^3, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^3, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 6^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^3, 6^4, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 4^2, 6^4, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{4^4, 6^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3, 6^5, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3, 4^2, 6^5, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{3^2, 6^6, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2, 6^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 3, 4, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3^7, 4, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^5, 4, 6, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^6, 4, 6^2, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^2, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 4^3, 6^2, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{4^5, 6^2, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^3, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3, 4^3, 6^3, 12^5\})$	64975011840

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^2, 4, 6^4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2, 4, 6^5, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^9, 12^6\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^6, 4^2, 12^6\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 4^4, 12^6\})$	33634123776
12	$\mathcal{O}(3; \{4^6, 12^6\})$	134536495104
12	$\mathcal{O}(3; \{2^6, 3, 6, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^4, 6, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{3, 4^4, 6, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^3, 3^2, 6^2, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^2, 4^2, 6^2, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^4, 6^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{3^3, 6^3, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2, 4^2, 6^3, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2, 3, 6^4, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{3^2, 4^3, 12^7\})$	259900047360
12	$\mathcal{O}(3; \{2^4, 4, 6, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{3^3, 4, 6, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2, 4^3, 6, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{2, 3, 4, 6^2, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^4, 3, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{3^4, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2, 3, 4^2, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{2, 3^2, 6, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 6^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 4, 12^9\})$	259900047360
12	$\mathcal{O}(3; \{6, 12^{10}\})$	1042657837056
12	$\mathcal{O}(2; \{2^{24}\})$	19200
12	$\mathcal{O}(2; \{2^{20}, 3^3\})$	38880
12	$\mathcal{O}(2; \{2^{16}, 3^6\})$	427680
12	$\mathcal{O}(2; \{2^{12}, 3^9\})$	3304800
12	$\mathcal{O}(2; \{2^8, 3^{12}\})$	26555040
12	$\mathcal{O}(2; \{2^4, 3^{15}\})$	212323680
12	$\mathcal{O}(2; \{3^{18}\})$	1698706080
12	$\mathcal{O}(2; \{2^{21}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^{17}, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^9, 4^2\})$	7050240

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^{12}, 4^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{15}, 4^2\})$	452957184
12	$\mathcal{O}(2; \{2^{18}, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^4\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^9, 4^4\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^4\})$	226603008
12	$\mathcal{O}(2; \{2^{15}, 4^6\})$	655360
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^6, 4^6\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^9, 4^6\})$	112803840
12	$\mathcal{O}(2; \{2^{12}, 4^8\})$	2621440
12	$\mathcal{O}(2; \{2^8, 3^3, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^6, 4^8\})$	58392576
12	$\mathcal{O}(2; \{3^9, 4^8\})$	451215360
12	$\mathcal{O}(2; \{2^9, 4^{10}\})$	10485760
12	$\mathcal{O}(2; \{2^5, 3^3, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2, 3^6, 4^{10}\})$	233570304
12	$\mathcal{O}(2; \{2^6, 4^{12}\})$	41943040
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{2^3, 4^{14}\})$	167772160
12	$\mathcal{O}(2; \{4^{16}\})$	671088640
12	$\mathcal{O}(2; \{2^{21}, 3, 6\})$	38880
12	$\mathcal{O}(2; \{2^{17}, 3^4, 6\})$	194400
12	$\mathcal{O}(2; \{2^{13}, 3^7, 6\})$	1671840
12	$\mathcal{O}(2; \{2^9, 3^{10}, 6\})$	13258080
12	$\mathcal{O}(2; \{2^5, 3^{13}, 6\})$	106181280
12	$\mathcal{O}(2; \{2, 3^{16}, 6\})$	849333600
12	$\mathcal{O}(2; \{2^{18}, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4^2, 6\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4^2, 6\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4^2, 6\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^7, 4^4, 6\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^4, 6\})$	113135616
12	$\mathcal{O}(2; \{2^{12}, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^4, 4^6, 6\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^7, 4^6, 6\})$	57065472
12	$\mathcal{O}(2; \{3^{10}, 4^6, 6\})$	452542464
12	$\mathcal{O}(2; \{2^9, 3, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^4, 4^8, 6\})$	26542080

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^7, 4^8, 6\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^4, 4^{10}, 6\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{3, 4^{14}, 6\})$	339738624
12	$\mathcal{O}(2; \{2^{18}, 3^2, 6^2\})$	116640
12	$\mathcal{O}(2; \{2^{14}, 3^5, 6^2\})$	816480
12	$\mathcal{O}(2; \{2^{10}, 3^8, 6^2\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3^{11}, 6^2\})$	53071200
12	$\mathcal{O}(2; \{2^2, 3^{14}, 6^2\})$	424686240
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^2, 6^2\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^8, 4^2, 6^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^2, 6^2\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^5, 4^4, 6^2\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^8, 4^4, 6^2\})$	56733696
12	$\mathcal{O}(2; \{3^{11}, 4^4, 6^2\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3^2, 4^6, 6^2\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^5, 4^6, 6^2\})$	27869184
12	$\mathcal{O}(2; \{2, 3^8, 4^6, 6^2\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3^2, 4^8, 6^2\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^5, 4^8, 6^2\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{10}, 6^2\})$	63700992
12	$\mathcal{O}(2; \{3^2, 4^{12}, 6^2\})$	254803968
12	$\mathcal{O}(2; \{2^{19}, 6^3\})$	38880
12	$\mathcal{O}(2; \{2^{15}, 3^3, 6^3\})$	427680
12	$\mathcal{O}(2; \{2^{11}, 3^6, 6^3\})$	3304800
12	$\mathcal{O}(2; \{2^7, 3^9, 6^3\})$	26555040
12	$\mathcal{O}(2; \{2^3, 3^{12}, 6^3\})$	212323680
12	$\mathcal{O}(2; \{2^{16}, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^6, 4^2, 6^3\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^9, 4^2, 6^3\})$	56650752
12	$\mathcal{O}(2; \{3^{12}, 4^2, 6^3\})$	452957184
12	$\mathcal{O}(2; \{2^{13}, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{2^9, 3^3, 4^4, 6^3\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^6, 4^4, 6^3\})$	28200960
12	$\mathcal{O}(2; \{2, 3^9, 4^4, 6^3\})$	226603008
12	$\mathcal{O}(2; \{2^{10}, 4^6, 6^3\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^3, 4^6, 6^3\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^6, 4^6, 6^3\})$	112803840
12	$\mathcal{O}(2; \{2^7, 4^8, 6^3\})$	5308416

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^3, 4^8, 6^3\})$	58392576
12	$\mathcal{O}(2; \{2^4, 4^{10}, 6^3\})$	21233664
12	$\mathcal{O}(2; \{3^3, 4^{10}, 6^3\})$	233570304
12	$\mathcal{O}(2; \{2, 4^{12}, 6^3\})$	84934656
12	$\mathcal{O}(2; \{2^{16}, 3, 6^4\})$	194400
12	$\mathcal{O}(2; \{2^{12}, 3^4, 6^4\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^7, 6^4\})$	13258080
12	$\mathcal{O}(2; \{2^4, 3^{10}, 6^4\})$	106181280
12	$\mathcal{O}(2; \{3^{13}, 6^4\})$	849333600
12	$\mathcal{O}(2; \{2^{13}, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^4, 4^2, 6^4\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^7, 4^2, 6^4\})$	28283904
12	$\mathcal{O}(2; \{2, 3^{10}, 4^2, 6^4\})$	226520064
12	$\mathcal{O}(2; \{2^{10}, 3, 4^4, 6^4\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^4, 4^4, 6^4\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^7, 4^4, 6^4\})$	113135616
12	$\mathcal{O}(2; \{2^7, 3, 4^6, 6^4\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^4, 4^6, 6^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3, 4^8, 6^4\})$	26542080
12	$\mathcal{O}(2; \{3^4, 4^8, 6^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3, 4^{10}, 6^4\})$	106168320
12	$\mathcal{O}(2; \{2^{13}, 3^2, 6^5\})$	816480
12	$\mathcal{O}(2; \{2^9, 3^5, 6^5\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^8, 6^5\})$	53071200
12	$\mathcal{O}(2; \{2, 3^{11}, 6^5\})$	424686240
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 6^5\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 6^5\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 6^5\})$	113218560
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 6^5\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 6^5\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 6^5\})$	27869184
12	$\mathcal{O}(2; \{3^5, 4^6, 6^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 6^5\})$	111476736
12	$\mathcal{O}(2; \{2^{14}, 6^6\})$	427680
12	$\mathcal{O}(2; \{2^{10}, 3^3, 6^6\})$	3304800
12	$\mathcal{O}(2; \{2^6, 3^6, 6^6\})$	26555040
12	$\mathcal{O}(2; \{2^2, 3^9, 6^6\})$	212323680
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6^6\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6^6\})$	56650752
12	$\mathcal{O}(2; \{2^8, 4^4, 6^6\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6^6\})$	28200960
12	$\mathcal{O}(2; \{3^6, 4^4, 6^6\})$	226603008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 4^6, 6^6\})$	14598144
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6^6\})$	112803840
12	$\mathcal{O}(2; \{2^2, 4^8, 6^6\})$	58392576
12	$\mathcal{O}(2; \{2^{11}, 3, 6^7\})$	1671840
12	$\mathcal{O}(2; \{2^7, 3^4, 6^7\})$	13258080
12	$\mathcal{O}(2; \{2^3, 3^7, 6^7\})$	106181280
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^7\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^7\})$	28283904
12	$\mathcal{O}(2; \{3^7, 4^2, 6^7\})$	226520064
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^7\})$	14266368
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^7\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^7\})$	57065472
12	$\mathcal{O}(2; \{2^8, 3^2, 6^8\})$	6648480
12	$\mathcal{O}(2; \{2^4, 3^5, 6^8\})$	53071200
12	$\mathcal{O}(2; \{3^8, 6^8\})$	424686240
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^8\})$	14183424
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^8\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^8\})$	56733696
12	$\mathcal{O}(2; \{2^9, 6^9\})$	3304800
12	$\mathcal{O}(2; \{2^5, 3^3, 6^9\})$	26555040
12	$\mathcal{O}(2; \{2, 3^6, 6^9\})$	212323680
12	$\mathcal{O}(2; \{2^6, 4^2, 6^9\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^9\})$	56650752
12	$\mathcal{O}(2; \{2^3, 4^4, 6^9\})$	28200960
12	$\mathcal{O}(2; \{4^6, 6^9\})$	112803840
12	$\mathcal{O}(2; \{2^6, 3, 6^{10}\})$	13258080
12	$\mathcal{O}(2; \{2^2, 3^4, 6^{10}\})$	106181280
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^{10}\})$	28283904
12	$\mathcal{O}(2; \{3, 4^4, 6^{10}\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^2, 6^{11}\})$	53071200
12	$\mathcal{O}(2; \{3^2, 4^2, 6^{11}\})$	113218560
12	$\mathcal{O}(2; \{2^4, 6^{12}\})$	26555040
12	$\mathcal{O}(2; \{3^3, 6^{12}\})$	212323680
12	$\mathcal{O}(2; \{2, 4^2, 6^{12}\})$	56650752
12	$\mathcal{O}(2; \{2, 3, 6^{13}\})$	106181280
12	$\mathcal{O}(2; \{2^{18}, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^8, 4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{11}, 4, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{14}, 4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^8, 4^3, 12\})$	28200960

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^3, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^5, 4^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^8, 4^5, 12\})$	112803840
12	$\mathcal{O}(2; \{3^{11}, 4^5, 12\})$	906412032
12	$\mathcal{O}(2; \{2^9, 3^2, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^5, 4^7, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^8, 4^7, 12\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3^2, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^5, 4^9, 12\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{3^2, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{19}, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4, 6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^9, 4, 6, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4, 6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^6, 4^3, 6, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^9, 4^3, 6, 12\})$	113135616
12	$\mathcal{O}(2; \{3^{12}, 4^3, 6, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^5, 6, 12\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^6, 4^5, 6, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^9, 4^5, 6, 12\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^3, 4^7, 6, 12\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^6, 4^7, 6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^7, 4^9, 6, 12\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^9, 6, 12\})$	106168320
12	$\mathcal{O}(2; \{2^4, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^{11}, 6, 12\})$	424673280
12	$\mathcal{O}(2; \{2, 4^{13}, 6, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^7, 4, 6^2, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4, 6^2, 12\})$	113218560
12	$\mathcal{O}(2; \{3^{13}, 4, 6^2, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^4, 4^3, 6^2, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^7, 4^3, 6^2, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{10}, 4^3, 6^2, 12\})$	452874240

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{10}, 3, 4^5, 6^2, 12\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^4, 4^5, 6^2, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^7, 4^5, 6^2, 12\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3, 4^7, 6^2, 12\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^4, 4^7, 6^2, 12\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3, 4^9, 6^2, 12\})$	63700992
12	$\mathcal{O}(2; \{3^4, 4^9, 6^2, 12\})$	445906944
12	$\mathcal{O}(2; \{2, 3, 4^{11}, 6^2, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^5, 4, 6^3, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^8, 4, 6^3, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{11}, 4, 6^3, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^3, 6^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^5, 4^3, 6^3, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^8, 4^3, 6^3, 12\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3^2, 4^5, 6^3, 12\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^5, 4^5, 6^3, 12\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^2, 4^7, 6^3, 12\})$	58392576
12	$\mathcal{O}(2; \{3^5, 4^7, 6^3, 12\})$	451215360
12	$\mathcal{O}(2; \{2, 3^2, 4^9, 6^3, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{14}, 4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4, 6^4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^6, 4, 6^4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^9, 4, 6^4, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 4^3, 6^4, 12\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^3, 4^3, 6^4, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^6, 4^3, 6^4, 12\})$	113135616
12	$\mathcal{O}(2; \{2^8, 4^5, 6^4, 12\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^3, 4^5, 6^4, 12\})$	57065472
12	$\mathcal{O}(2; \{3^6, 4^5, 6^4, 12\})$	452542464
12	$\mathcal{O}(2; \{2^5, 4^7, 6^4, 12\})$	26542080
12	$\mathcal{O}(2; \{2, 3^3, 4^7, 6^4, 12\})$	228261888
12	$\mathcal{O}(2; \{2^2, 4^9, 6^4, 12\})$	106168320
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 6^5, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 6^5, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 6^5, 12\})$	113218560
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 6^5, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 6^5, 12\})$	56733696
12	$\mathcal{O}(2; \{3^7, 4^3, 6^5, 12\})$	452874240
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 6^5, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 6^5, 12\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 6^5, 12\})$	111476736
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6^6, 12\})$	7050240

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6^6, 12\})$	56650752
12	$\mathcal{O}(2; \{3^8, 4, 6^6, 12\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6^6, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6^6, 12\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6^6, 12\})$	112803840
12	$\mathcal{O}(2; \{2^9, 4, 6^7, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^7, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^7, 12\})$	226520064
12	$\mathcal{O}(2; \{2^6, 4^3, 6^7, 12\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^7, 12\})$	113135616
12	$\mathcal{O}(2; \{2^3, 4^5, 6^7, 12\})$	57065472
12	$\mathcal{O}(2; \{4^7, 6^7, 12\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^8, 12\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^8, 12\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^8, 12\})$	56733696
12	$\mathcal{O}(2; \{3, 4^5, 6^8, 12\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^9, 12\})$	56650752
12	$\mathcal{O}(2; \{3^2, 4^3, 6^9, 12\})$	226603008
12	$\mathcal{O}(2; \{2^4, 4, 6^{10}, 12\})$	28283904
12	$\mathcal{O}(2; \{3^3, 4, 6^{10}, 12\})$	226520064
12	$\mathcal{O}(2; \{2, 4^3, 6^{10}, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3, 4, 6^{11}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{19}, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{13}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{16}, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^7, 4^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^{13}, 4^2, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^4, 4^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^7, 4^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2, 3^{10}, 4^4, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^{10}, 3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^4, 4^6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^7, 4^6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^7, 3, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^4, 4^8, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^4, 3, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{3^4, 4^{10}, 12^2\})$	934281216

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^8, 6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{11}, 6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^{14}, 6, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^5, 4^2, 6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^8, 4^2, 6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{11}, 4^2, 6, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^4, 6, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^5, 4^4, 6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^8, 4^4, 6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^7, 3^2, 4^6, 6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^5, 4^6, 6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^2, 4^8, 6, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3^5, 4^8, 6, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2, 3^2, 4^{10}, 6, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{17}, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^6, 6^2, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^9, 6^2, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{12}, 6^2, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^2, 6^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^6, 4^2, 6^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^9, 4^2, 6^2, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 4^4, 6^2, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^3, 4^4, 6^2, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^6, 4^4, 6^2, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^8, 4^6, 6^2, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^3, 4^6, 6^2, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^6, 4^6, 6^2, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^5, 4^8, 6^2, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2, 3^3, 4^8, 6^2, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^2, 4^{10}, 6^2, 12^2\})$	254803968
12	$\mathcal{O}(2; \{2^{14}, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^4, 6^3, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^7, 6^3, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{10}, 6^3, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 6^3, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 6^3, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 6^3, 12^2\})$	226603008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 6^3, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 6^3, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^7, 4^4, 6^3, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 6^3, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 6^3, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 6^3, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6^4, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^5, 6^4, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^8, 6^4, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6^4, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6^4, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^8, 4^2, 6^4, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6^4, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^{12}, 6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^3, 6^5, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^6, 6^5, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^9, 6^5, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^9, 4^2, 6^5, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^5, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^5, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^6, 4^4, 6^5, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^5, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^3, 4^6, 6^5, 12^2\})$	111476736
12	$\mathcal{O}(2; \{4^8, 6^5, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^9, 3, 6^6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^4, 6^6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^7, 6^6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3, 4^6, 6^6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3^2, 6^7, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^5, 6^7, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^7, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^2, 4^4, 6^7, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^7, 6^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^3, 6^8, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^4, 4^2, 6^8, 12^2\})$	56733696
12	$\mathcal{O}(2; \{3^3, 4^2, 6^8, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2, 4^4, 6^8, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3, 6^9, 12^2\})$	56650752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^4, 6^9, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^9, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2, 3^2, 6^{10}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^2, 6^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^{17}, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^6, 4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^9, 4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{12}, 4, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{14}, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^6, 4^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^9, 4^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^{11}, 4^5, 12^3\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^3, 4^5, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^6, 4^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^8, 4^7, 12^3\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^3, 4^7, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3^6, 4^7, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 4^9, 12^3\})$	84934656
12	$\mathcal{O}(2; \{2, 3^3, 4^9, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^2, 4^{11}, 12^3\})$	339738624
12	$\mathcal{O}(2; \{2^{14}, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4, 6, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^7, 4, 6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4, 6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 3, 4^3, 6, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^4, 4^3, 6, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^7, 4^3, 6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^8, 3, 4^5, 6, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^4, 4^5, 6, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^7, 4^5, 6, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 3, 4^7, 6, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2, 3^4, 4^7, 6, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3, 4^9, 6, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4, 6^2, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^5, 4, 6^2, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^8, 4, 6^2, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3^2, 4^3, 6^2, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^5, 4^3, 6^2, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^8, 4^3, 6^2, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3^2, 4^5, 6^2, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2, 3^5, 4^5, 6^2, 12^3\})$	907739136

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^2, 4^7, 6^2, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^{12}, 4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 6^3, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 6^3, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^9, 4, 6^3, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 4^3, 6^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 6^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 6^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^6, 4^5, 6^3, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 6^3, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^3, 4^7, 6^3, 12^3\})$	233570304
12	$\mathcal{O}(2; \{4^9, 6^3, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^9, 3, 4, 6^4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6^4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^7, 4, 6^4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6^4, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6^4, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6^4, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3, 4^7, 6^4, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^5, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^5, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^5, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^2, 4^5, 6^5, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^7, 4, 6^6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^6, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^4, 4^3, 6^6, 12^3\})$	112803840
12	$\mathcal{O}(2; \{3^3, 4^3, 6^6, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2, 4^5, 6^6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^7, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^4, 4, 6^7, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^7, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^8, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^2, 4, 6^9, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^{14}, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^{11}, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^8, 4^4, 12^4\})$	3625648128

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{15}, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^3, 6, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^6, 6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^9, 6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^9, 4^2, 6, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 4^4, 6, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 4^6, 6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^3, 4^8, 6, 12^4\})$	424673280
12	$\mathcal{O}(2; \{4^{10}, 6, 12^4\})$	1698693120
12	$\mathcal{O}(2; \{2^{12}, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^4, 6^2, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^7, 6^2, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^{10}, 6^2, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^2, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^2, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^2, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^2, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3, 4^8, 6^2, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^9, 3^2, 6^3, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^5, 6^3, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^8, 6^3, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^3, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^3, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^3, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^2, 4^6, 6^3, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^{10}, 6^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^3, 6^4, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^6, 6^4, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^7, 4^2, 6^4, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^4, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^4, 4^4, 6^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{3^3, 4^4, 6^4, 12^4\})$	1810169856

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 4^6, 6^4, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^7, 3, 6^5, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^4, 6^5, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^5, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^4, 4^2, 6^5, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^5, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^2, 6^6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^5, 6^6, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^5, 6^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^3, 6^7, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^2, 4^2, 6^7, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3, 6^8, 12^4\})$	452874240
12	$\mathcal{O}(2; \{6^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^{10}, 4, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 12^5\})$	934281216
12	$\mathcal{O}(2; \{3, 4^9, 12^5\})$	3737124864
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^8, 4, 6, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3^2, 4^7, 6, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^{10}, 4, 6^2, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^2, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^2, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 4^3, 6^2, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^2, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^4, 4^5, 6^2, 12^5\})$	445906944
12	$\mathcal{O}(2; \{3^3, 4^5, 6^2, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2, 4^7, 6^2, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^3, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^3, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^3, 12^5\})$	451215360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^4, 4^3, 6^3, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^3, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^5, 4, 6^4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^4, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 4, 6^5, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^5, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 4^3, 6^5, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{4, 6^8, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^{13}, 12^6\})$	14598144
12	$\mathcal{O}(2; \{2^9, 3^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^9, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^{10}, 4^2, 12^6\})$	58392576
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^7, 4^4, 12^6\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 4^6, 12^6\})$	934281216
12	$\mathcal{O}(2; \{3^3, 4^6, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2, 4^8, 12^6\})$	3737124864
12	$\mathcal{O}(2; \{2^{10}, 3, 6, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^4, 6, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^7, 6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6, 12^6\})$	913047552
12	$\mathcal{O}(2; \{3^4, 4^4, 6, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2, 3, 4^6, 6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^7, 3^2, 6^2, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^5, 6^2, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^5, 4^2, 6^2, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^2, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^8, 6^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^3, 6^3, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^6, 6^3, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 4^2, 6^3, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^3, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 4^4, 6^3, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 3, 6^4, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^4, 6^4, 12^6\})$	3624321024

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^4, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^2, 6^5, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 6^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{4^2, 6^6, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{3, 6^7, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{3^5, 4^3, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^8, 4, 6, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^6, 4, 6, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 4^3, 6, 12^7\})$	913047552
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 4^5, 6, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^2, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^2, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^2, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^3, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 4, 6^4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{4^3, 6^4, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{3, 4, 6^5, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^8, 3, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^7, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{2^5, 3^2, 6, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^5, 6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^6, 6^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^3, 6^2, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 4^2, 6^2, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{4^4, 6^2, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^3, 3, 6^3, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3, 4^2, 6^3, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{3^2, 6^4, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2, 6^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 4, 12^9\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 4^3, 12^9\})$	7219445760

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{4^5, 12^9\})$	28877783040
12	$\mathcal{O}(2; \{2^3, 3, 4, 6, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{3, 4^3, 6, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{3^2, 4, 6^2, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2, 4, 6^3, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 3^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{3^2, 4^2, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{2^4, 6, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{3^3, 6, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2, 4^2, 6, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{2, 3, 6^2, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2, 3, 4, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{2^2, 12^{12}\})$	58010370048
12	$\mathcal{O}(1; \{2^{28}\})$	96
12	$\mathcal{O}(1; \{2^{24}, 3^3\})$	216
12	$\mathcal{O}(1; \{2^{20}, 3^6\})$	2376
12	$\mathcal{O}(1; \{2^{16}, 3^9\})$	18360
12	$\mathcal{O}(1; \{2^{12}, 3^{12}\})$	147528
12	$\mathcal{O}(1; \{2^8, 3^{15}\})$	1179576
12	$\mathcal{O}(1; \{2^4, 3^{18}\})$	9437256
12	$\mathcal{O}(1; \{3^{21}\})$	75497400
12	$\mathcal{O}(1; \{2^{25}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{21}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^{12}, 4^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{15}, 4^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{18}, 4^2\})$	25166016
12	$\mathcal{O}(1; \{2^{22}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^4\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^4\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^4\})$	12582144
12	$\mathcal{O}(1; \{2^{19}, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^9, 4^6\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^6\})$	6294528
12	$\mathcal{O}(1; \{2^{16}, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^6, 4^8\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^9, 4^8\})$	3133440

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^{12}, 4^8\})$	25178112
12	$\mathcal{O}(1; \{2^{13}, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^9, 3^3, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^6, 4^{10}\})$	1622016
12	$\mathcal{O}(1; \{2, 3^9, 4^{10}\})$	12533760
12	$\mathcal{O}(1; \{2^{10}, 4^{12}\})$	262144
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{12}\})$	6488064
12	$\mathcal{O}(1; \{2^7, 4^{14}\})$	1048576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{2^4, 4^{16}\})$	4194304
12	$\mathcal{O}(1; \{3^3, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{2, 4^{18}\})$	16777216
12	$\mathcal{O}(1; \{2^{25}, 3, 6\})$	216
12	$\mathcal{O}(1; \{2^{21}, 3^4, 6\})$	1080
12	$\mathcal{O}(1; \{2^{17}, 3^7, 6\})$	9288
12	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6\})$	73656
12	$\mathcal{O}(1; \{2^9, 3^{13}, 6\})$	589896
12	$\mathcal{O}(1; \{2^5, 3^{16}, 6\})$	4718520
12	$\mathcal{O}(1; \{2, 3^{19}, 6\})$	37748808
12	$\mathcal{O}(1; \{2^{22}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4^2, 6\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4^2, 6\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4^2, 6\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^4, 6\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^4, 6\})$	6292224
12	$\mathcal{O}(1; \{2^{16}, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^7, 4^6, 6\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^6, 6\})$	3142656
12	$\mathcal{O}(1; \{3^{13}, 4^6, 6\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^4, 4^8, 6\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^7, 4^8, 6\})$	1585152
12	$\mathcal{O}(1; \{2, 3^{10}, 4^8, 6\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 3, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^4, 4^{10}, 6\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^7, 4^{10}, 6\})$	6340608

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{12}, 6\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{3^4, 4^{14}, 6\})$	11796480
12	$\mathcal{O}(1; \{2, 3, 4^{16}, 6\})$	9437184
12	$\mathcal{O}(1; \{2^{22}, 3^2, 6^2\})$	648
12	$\mathcal{O}(1; \{2^{18}, 3^5, 6^2\})$	4536
12	$\mathcal{O}(1; \{2^{14}, 3^8, 6^2\})$	36936
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 6^2\})$	294840
12	$\mathcal{O}(1; \{2^6, 3^{14}, 6^2\})$	2359368
12	$\mathcal{O}(1; \{2^2, 3^{17}, 6^2\})$	18874296
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^2, 6^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^2, 6^2\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^8, 4^4, 6^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^4, 6^2\})$	3144960
12	$\mathcal{O}(1; \{3^{14}, 4^4, 6^2\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^5, 4^6, 6^2\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^8, 4^6, 6^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{11}, 4^6, 6^2\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^8, 6^2\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^5, 4^8, 6^2\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^8, 4^8, 6^2\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{10}, 6^2\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{10}, 6^2\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{12}, 6^2\})$	1769472
12	$\mathcal{O}(1; \{3^5, 4^{12}, 6^2\})$	12386304
12	$\mathcal{O}(1; \{2, 3^2, 4^{14}, 6^2\})$	7077888
12	$\mathcal{O}(1; \{2^{23}, 6^3\})$	216
12	$\mathcal{O}(1; \{2^{19}, 3^3, 6^3\})$	2376
12	$\mathcal{O}(1; \{2^{15}, 3^6, 6^3\})$	18360
12	$\mathcal{O}(1; \{2^{11}, 3^9, 6^3\})$	147528
12	$\mathcal{O}(1; \{2^7, 3^{12}, 6^3\})$	1179576
12	$\mathcal{O}(1; \{2^3, 3^{15}, 6^3\})$	9437256
12	$\mathcal{O}(1; \{2^{20}, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^9, 4^2, 6^3\})$	393408

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^2, 6^3\})$	3145536
12	$\mathcal{O}(1; \{3^{15}, 4^2, 6^3\})$	25166016
12	$\mathcal{O}(1; \{2^{17}, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^6, 4^4, 6^3\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^9, 4^4, 6^3\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{12}, 4^4, 6^3\})$	12582144
12	$\mathcal{O}(1; \{2^{14}, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^6, 6^3\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^6, 4^6, 6^3\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^9, 4^6, 6^3\})$	6294528
12	$\mathcal{O}(1; \{2^{11}, 4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^3, 4^8, 6^3\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^6, 4^8, 6^3\})$	3133440
12	$\mathcal{O}(1; \{2^8, 4^{10}, 6^3\})$	147456
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{10}, 6^3\})$	1622016
12	$\mathcal{O}(1; \{3^6, 4^{10}, 6^3\})$	12533760
12	$\mathcal{O}(1; \{2^5, 4^{12}, 6^3\})$	589824
12	$\mathcal{O}(1; \{2, 3^3, 4^{12}, 6^3\})$	6488064
12	$\mathcal{O}(1; \{2^2, 4^{14}, 6^3\})$	2359296
12	$\mathcal{O}(1; \{2^{20}, 3, 6^4\})$	1080
12	$\mathcal{O}(1; \{2^{16}, 3^4, 6^4\})$	9288
12	$\mathcal{O}(1; \{2^{12}, 3^7, 6^4\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^{10}, 6^4\})$	589896
12	$\mathcal{O}(1; \{2^4, 3^{13}, 6^4\})$	4718520
12	$\mathcal{O}(1; \{3^{16}, 6^4\})$	37748808
12	$\mathcal{O}(1; \{2^{17}, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^7, 4^2, 6^4\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^2, 6^4\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{13}, 4^2, 6^4\})$	12582720
12	$\mathcal{O}(1; \{2^{14}, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^4, 6^4\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^7, 4^4, 6^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^4, 6^4\})$	6292224
12	$\mathcal{O}(1; \{2^{11}, 3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^4, 4^6, 6^4\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^7, 4^6, 6^4\})$	3142656
12	$\mathcal{O}(1; \{2^8, 3, 4^8, 6^4\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^4, 4^8, 6^4\})$	1585152
12	$\mathcal{O}(1; \{3^7, 4^8, 6^4\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3, 4^{10}, 6^4\})$	737280
12	$\mathcal{O}(1; \{2, 3^4, 4^{10}, 6^4\})$	6340608

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 4^{12}, 6^4\})$	2949120
12	$\mathcal{O}(1; \{2^{17}, 3^2, 6^5\})$	4536
12	$\mathcal{O}(1; \{2^{13}, 3^5, 6^5\})$	36936
12	$\mathcal{O}(1; \{2^9, 3^8, 6^5\})$	294840
12	$\mathcal{O}(1; \{2^5, 3^{11}, 6^5\})$	2359368
12	$\mathcal{O}(1; \{2, 3^{14}, 6^5\})$	18874296
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 6^5\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 6^5\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 6^5\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 6^5\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 6^5\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 6^5\})$	3144960
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 6^5\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 6^5\})$	1575936
12	$\mathcal{O}(1; \{3^8, 4^6, 6^5\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 6^5\})$	774144
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 6^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 6^5\})$	3096576
12	$\mathcal{O}(1; \{2^{18}, 6^6\})$	2376
12	$\mathcal{O}(1; \{2^{14}, 3^3, 6^6\})$	18360
12	$\mathcal{O}(1; \{2^{10}, 3^6, 6^6\})$	147528
12	$\mathcal{O}(1; \{2^6, 3^9, 6^6\})$	1179576
12	$\mathcal{O}(1; \{2^2, 3^{12}, 6^6\})$	9437256
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6^6\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6^6\})$	3145536
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6^6\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6^6\})$	1573632
12	$\mathcal{O}(1; \{3^9, 4^4, 6^6\})$	12582144
12	$\mathcal{O}(1; \{2^9, 4^6, 6^6\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6^6\})$	783360
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6^6\})$	6294528
12	$\mathcal{O}(1; \{2^6, 4^8, 6^6\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6^6\})$	3133440
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6^6\})$	1622016
12	$\mathcal{O}(1; \{4^{12}, 6^6\})$	6488064
12	$\mathcal{O}(1; \{2^{15}, 3, 6^7\})$	9288
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6^7\})$	73656
12	$\mathcal{O}(1; \{2^7, 3^7, 6^7\})$	589896
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6^7\})$	4718520

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^7\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^7\})$	1573056
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^7\})$	12582720
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^7\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^7\})$	785664
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^7\})$	6292224
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^7\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^7\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^7\})$	1585152
12	$\mathcal{O}(1; \{3, 4^{10}, 6^7\})$	6340608
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^8\})$	36936
12	$\mathcal{O}(1; \{2^8, 3^5, 6^8\})$	294840
12	$\mathcal{O}(1; \{2^4, 3^8, 6^8\})$	2359368
12	$\mathcal{O}(1; \{3^{11}, 6^8\})$	18874296
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^8\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^8\})$	786240
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^8\})$	6291648
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^8\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^8\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^8\})$	1575936
12	$\mathcal{O}(1; \{3^2, 4^8, 6^8\})$	6303744
12	$\mathcal{O}(1; \{2^{13}, 6^9\})$	18360
12	$\mathcal{O}(1; \{2^9, 3^3, 6^9\})$	147528
12	$\mathcal{O}(1; \{2^5, 3^6, 6^9\})$	1179576
12	$\mathcal{O}(1; \{2, 3^9, 6^9\})$	9437256
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^9\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^9\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^9\})$	3145536
12	$\mathcal{O}(1; \{2^7, 4^4, 6^9\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^9\})$	1573632
12	$\mathcal{O}(1; \{2^4, 4^6, 6^9\})$	783360
12	$\mathcal{O}(1; \{3^3, 4^6, 6^9\})$	6294528
12	$\mathcal{O}(1; \{2, 4^8, 6^9\})$	3133440
12	$\mathcal{O}(1; \{2^{10}, 3, 6^{10}\})$	73656
12	$\mathcal{O}(1; \{2^6, 3^4, 6^{10}\})$	589896
12	$\mathcal{O}(1; \{2^2, 3^7, 6^{10}\})$	4718520
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^{10}\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^{10}\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^{10}\})$	785664
12	$\mathcal{O}(1; \{3^4, 4^4, 6^{10}\})$	6292224
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^{10}\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^2, 6^{11}\})$	294840

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^5, 6^{11}\})$	2359368
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^{11}\})$	786240
12	$\mathcal{O}(1; \{3^5, 4^2, 6^{11}\})$	6291648
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^{11}\})$	3144960
12	$\mathcal{O}(1; \{2^8, 6^{12}\})$	147528
12	$\mathcal{O}(1; \{2^4, 3^3, 6^{12}\})$	1179576
12	$\mathcal{O}(1; \{3^6, 6^{12}\})$	9437256
12	$\mathcal{O}(1; \{2^5, 4^2, 6^{12}\})$	393408
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^{12}\})$	3145536
12	$\mathcal{O}(1; \{2^2, 4^4, 6^{12}\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3, 6^{13}\})$	589896
12	$\mathcal{O}(1; \{2, 3^4, 6^{13}\})$	4718520
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^{13}\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^2, 6^{14}\})$	2359368
12	$\mathcal{O}(1; \{2^3, 6^{15}\})$	1179576
12	$\mathcal{O}(1; \{4^2, 6^{15}\})$	3145536
12	$\mathcal{O}(1; \{3, 6^{16}\})$	4718520
12	$\mathcal{O}(1; \{2^{22}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 4, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{14}, 4, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{17}, 4, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^3, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^8, 4^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^5, 12\})$	6294528
12	$\mathcal{O}(1; \{3^{14}, 4^5, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^5, 4^7, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^8, 4^7, 12\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{11}, 4^7, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^5, 4^9, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^8, 4^9, 12\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{11}, 12\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{13}, 12\})$	2359296

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 4^{13}, 12\})$	25952256
12	$\mathcal{O}(1; \{2, 3^2, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{23}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4, 6, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4, 6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^9, 4^3, 6, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^3, 6, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{15}, 4^3, 6, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^6, 4^5, 6, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^9, 4^5, 6, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{12}, 4^5, 6, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^7, 6, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^6, 4^7, 6, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^9, 4^7, 6, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^3, 4^9, 6, 12\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^6, 4^9, 6, 12\})$	6340608
12	$\mathcal{O}(1; \{2^8, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{11}, 6, 12\})$	2949120
12	$\mathcal{O}(1; \{3^6, 4^{11}, 6, 12\})$	25362432
12	$\mathcal{O}(1; \{2^5, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{13}, 6, 12\})$	11796480
12	$\mathcal{O}(1; \{2^2, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4, 6^2, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4, 6^2, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{16}, 4, 6^2, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^7, 4^3, 6^2, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^3, 6^2, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{13}, 4^3, 6^2, 12\})$	25166592

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^5, 6^2, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^7, 4^5, 6^2, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^5, 6^2, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3, 4^7, 6^2, 12\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^4, 4^7, 6^2, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^7, 4^7, 6^2, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3, 4^9, 6^2, 12\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^4, 4^9, 6^2, 12\})$	3096576
12	$\mathcal{O}(1; \{3^7, 4^9, 6^2, 12\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3, 4^{11}, 6^2, 12\})$	1769472
12	$\mathcal{O}(1; \{2, 3^4, 4^{11}, 6^2, 12\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3, 4^{13}, 6^2, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^8, 4, 6^3, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4, 6^3, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{14}, 4, 6^3, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^3, 6^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^8, 4^3, 6^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^3, 6^3, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^5, 6^3, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^5, 4^5, 6^3, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^8, 4^5, 6^3, 12\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3^2, 4^7, 6^3, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^5, 4^7, 6^3, 12\})$	3133440
12	$\mathcal{O}(1; \{3^8, 4^7, 6^3, 12\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^2, 4^9, 6^3, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^5, 4^9, 6^3, 12\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{11}, 6^3, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{18}, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4, 6^4, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^9, 4, 6^4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4, 6^4, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^6, 4^3, 6^4, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^9, 4^3, 6^4, 12\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^3, 4^5, 6^4, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^6, 4^5, 6^4, 12\})$	3142656

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^9, 4^5, 6^4, 12\})$	25168896
12	$\mathcal{O}(1; \{2^9, 4^7, 6^4, 12\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^3, 4^7, 6^4, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^6, 4^7, 6^4, 12\})$	12570624
12	$\mathcal{O}(1; \{2^6, 4^9, 6^4, 12\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^3, 4^9, 6^4, 12\})$	6340608
12	$\mathcal{O}(1; \{2^3, 4^{11}, 6^4, 12\})$	2949120
12	$\mathcal{O}(1; \{4^{13}, 6^4, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 6^5, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 6^5, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 6^5, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 6^5, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 6^5, 12\})$	3144960
12	$\mathcal{O}(1; \{3^{10}, 4^3, 6^5, 12\})$	25166592
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 6^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 6^5, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 6^5, 12\})$	12579840
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 6^5, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 6^5, 12\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 6^5, 12\})$	3096576
12	$\mathcal{O}(1; \{3, 4^{11}, 6^5, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6^6, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6^6, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{11}, 4, 6^6, 12\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6^6, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6^6, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6^6, 12\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6^6, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6^6, 12\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6^6, 12\})$	3133440
12	$\mathcal{O}(1; \{3^2, 4^9, 6^6, 12\})$	12533760
12	$\mathcal{O}(1; \{2^{13}, 4, 6^7, 12\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^7, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^7, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^7, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^7, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^7, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^7, 12\})$	6292224
12	$\mathcal{O}(1; \{2^7, 4^5, 6^7, 12\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^7, 12\})$	3142656

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 4^7, 6^7, 12\})$	1585152
12	$\mathcal{O}(1; \{3^3, 4^7, 6^7, 12\})$	12570624
12	$\mathcal{O}(1; \{2, 4^9, 6^7, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^8, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^8, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^8, 12\})$	6291648
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^8, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^8, 12\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^8, 12\})$	1575936
12	$\mathcal{O}(1; \{3^4, 4^5, 6^8, 12\})$	12579840
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^8, 12\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^9, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^9, 12\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^9, 12\})$	1573632
12	$\mathcal{O}(1; \{3^5, 4^3, 6^9, 12\})$	12582144
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^9, 12\})$	6294528
12	$\mathcal{O}(1; \{2^8, 4, 6^{10}, 12\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^{10}, 12\})$	1573056
12	$\mathcal{O}(1; \{3^6, 4, 6^{10}, 12\})$	12582720
12	$\mathcal{O}(1; \{2^5, 4^3, 6^{10}, 12\})$	785664
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^{10}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^2, 4^5, 6^{10}, 12\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^{11}, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^{11}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^{11}, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^{12}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 4, 6^{13}, 12\})$	1573056
12	$\mathcal{O}(1; \{4^3, 6^{13}, 12\})$	6292224
12	$\mathcal{O}(1; \{3, 4, 6^{14}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{23}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{16}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{20}, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{16}, 4^2, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^4, 12^2\})$	101376

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^7, 4^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{13}, 4^4, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^7, 4^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{11}, 3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^4, 4^8, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^7, 4^8, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{10}, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^7, 4^{10}, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^5, 3, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2, 3^4, 4^{12}, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^2, 3, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{11}, 6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{14}, 6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{17}, 6, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^8, 4^2, 6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^2, 6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{14}, 4^2, 6, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^4, 6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^8, 4^4, 6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^4, 6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^5, 4^6, 6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^8, 4^6, 6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3^2, 4^8, 6, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^5, 4^8, 6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^8, 4^8, 6, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{10}, 6, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2, 3^5, 4^{10}, 6, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{12}, 6, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{21}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^6, 6^2, 12^2\})$	98496

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^9, 6^2, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{12}, 6^2, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{15}, 6^2, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 4^2, 6^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^2, 6^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^2, 6^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^9, 4^2, 6^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^2, 6^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^6, 4^4, 6^2, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^9, 4^4, 6^2, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^3, 4^6, 6^2, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^6, 4^6, 6^2, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^9, 4^6, 6^2, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^9, 4^8, 6^2, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^3, 4^8, 6^2, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^6, 4^8, 6^2, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^6, 4^{10}, 6^2, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{10}, 6^2, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^3, 4^{12}, 6^2, 12^2\})$	7077888
12	$\mathcal{O}(1; \{4^{14}, 6^2, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{18}, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^7, 6^3, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{10}, 6^3, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{13}, 6^3, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 6^3, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 6^3, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 6^3, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 6^3, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^{10}, 4^4, 6^3, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 6^3, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 6^3, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 6^3, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 6^3, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 6^3, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 6^3, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3, 4^{12}, 6^3, 12^2\})$	25952256

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^8, 6^4, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6^4, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6^4, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6^4, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6^4, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6^4, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6^4, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6^4, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6^4, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6^4, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^{16}, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^6, 6^5, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^9, 6^5, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{12}, 6^5, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^5, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^5, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^5, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^5, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^5, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^5, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^7, 4^6, 6^5, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^5, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^4, 4^8, 6^5, 12^2\})$	3096576
12	$\mathcal{O}(1; \{3^3, 4^8, 6^5, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2, 4^{10}, 6^5, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{13}, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^4, 6^6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^7, 6^6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{10}, 6^6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^4, 4^6, 6^6, 12^2\})$	25178112

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^7, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^5, 6^7, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^8, 6^7, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^7, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^7, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^7, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^5, 4^4, 6^7, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^7, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^3, 6^8, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^6, 6^8, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^8, 4^2, 6^8, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^8, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^6, 4^2, 6^8, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^5, 4^4, 6^8, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^8, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^2, 4^6, 6^8, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3, 6^9, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^4, 6^9, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^7, 6^9, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^9, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^9, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^9, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^2, 6^{10}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^5, 6^{10}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^{10}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^6, 6^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^3, 6^{11}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 4^2, 6^{11}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{4^4, 6^{11}, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3, 6^{12}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3, 4^2, 6^{12}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^2, 6^{13}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 6^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{21}, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^9, 4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{15}, 4, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{18}, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^3, 12^3\})$	101376

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^9, 4^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{15}, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^6, 4^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^9, 4^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^{12}, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^3, 4^7, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^6, 4^7, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^9, 4^7, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^9, 4^9, 12^3\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^3, 4^9, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2, 3^6, 4^9, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^6, 4^{11}, 12^3\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{11}, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^3, 4^{13}, 12^3\})$	9437184
12	$\mathcal{O}(1; \{4^{15}, 12^3\})$	37748736
12	$\mathcal{O}(1; \{2^{18}, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4, 6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4, 6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4, 6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^7, 4^3, 6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^3, 6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^4, 4^5, 6, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^7, 4^5, 6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^{10}, 4^5, 6, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^9, 3, 4^7, 6, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^4, 4^7, 6, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^7, 4^7, 6, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3, 4^9, 6, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^4, 4^9, 6, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3, 4^{11}, 6, 12^3\})$	11796480
12	$\mathcal{O}(1; \{3, 4^{13}, 6, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^8, 4, 6^2, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4, 6^2, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^3, 6^2, 12^3\})$	193536

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^5, 4^3, 6^2, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^8, 4^3, 6^2, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^{11}, 4^3, 6^2, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3^2, 4^5, 6^2, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^5, 4^5, 6^2, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^8, 4^5, 6^2, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3^2, 4^7, 6^2, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^5, 4^7, 6^2, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^2, 4^9, 6^2, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^2, 4^{11}, 6^2, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{16}, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 6^3, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 6^3, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^{12}, 4, 6^3, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 6^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 6^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 6^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 4^5, 6^3, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 6^3, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 6^3, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^7, 4^7, 6^3, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 6^3, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^4, 4^9, 6^3, 12^3\})$	6488064
12	$\mathcal{O}(1; \{3^3, 4^9, 6^3, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2, 4^{11}, 6^3, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6^4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6^4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6^4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6^4, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6^4, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6^4, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6^4, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6^4, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6^4, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^4, 4^7, 6^4, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2, 3, 4^9, 6^4, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^5, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^5, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^5, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^5, 12^3\})$	1575936

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^5, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^5, 4^5, 6^5, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^5, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^{11}, 4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^8, 4^3, 6^6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^6, 4^3, 6^6, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^5, 4^5, 6^6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^2, 4^7, 6^6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^7, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^7, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^7, 4, 6^7, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^7, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^7, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^7, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^8, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^8, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^8, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^6, 4, 6^9, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^9, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^3, 4^3, 6^9, 12^3\})$	6294528
12	$\mathcal{O}(1; \{4^5, 6^9, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^{10}, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3, 4^3, 6^{10}, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3^2, 4, 6^{11}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 4, 6^{12}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{18}, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{14}, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^{11}, 4^4, 12^4\})$	201314304

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 12^4\})$	25952256
12	$\mathcal{O}(1; \{3^2, 4^{12}, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{19}, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^9, 6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{12}, 6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^7, 4^8, 6, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6, 12^4\})$	11796480
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2, 4^{12}, 6, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{16}, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^7, 6^2, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{10}, 6^2, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{13}, 6^2, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^2, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^2, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^2, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^2, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^2, 12^4\})$	25214976

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^2, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3^4, 4^8, 6^2, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^2, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^5, 6^3, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^8, 6^3, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{11}, 6^3, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^3, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^3, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^3, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^3, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^3, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^3, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^5, 4^6, 6^3, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^3, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{14}, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^4, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^6, 6^4, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^9, 6^4, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^4, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^4, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^8, 4^4, 6^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^6, 4^4, 6^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^5, 4^6, 6^4, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^4, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^2, 4^8, 6^4, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2^{11}, 3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^4, 6^5, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^7, 6^5, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^5, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^5, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^7, 4^2, 6^5, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^5, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^5, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^5, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3^2, 6^6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^5, 6^6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^8, 6^6, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^6, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^6, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^6, 12^4\})$	25178112

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 6^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^3, 6^7, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^6, 6^7, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^6, 4^2, 6^7, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^7, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^3, 4^4, 6^7, 12^4\})$	12570624
12	$\mathcal{O}(1; \{4^6, 6^7, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3, 6^8, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^4, 6^8, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^8, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3, 4^4, 6^8, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^2, 6^9, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^2, 4^2, 6^9, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^4, 6^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{3^3, 6^{10}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2, 4^2, 6^{10}, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3, 6^{11}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^{13}, 4, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 12^5\})$	25952256
12	$\mathcal{O}(1; \{3^4, 4^9, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6, 12^5\})$	50282496

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3^5, 4^7, 6, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{14}, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^2, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^2, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^2, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^2, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^2, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^8, 4^5, 6^2, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^2, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^6, 4^5, 6^2, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^5, 4^7, 6^2, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^2, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^2, 4^9, 6^2, 12^5\})$	49545216
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^3, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^3, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^3, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^7, 4^3, 6^3, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^3, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^3, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^3, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^8, 4, 6^4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^4, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^4, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^4, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^9, 4, 6^5, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^5, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^5, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^6, 4^3, 6^5, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^5, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^3, 4^5, 6^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{4^7, 6^5, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^6, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3, 4^5, 6^6, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^7, 12^5\})$	25168896

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4^3, 6^7, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^4, 4, 6^8, 12^5\})$	12579840
12	$\mathcal{O}(1; \{3^3, 4, 6^8, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2, 4^3, 6^8, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2, 3, 4, 6^9, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{17}, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^{13}, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{12}, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{14}, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^{11}, 4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^8, 4^6, 12^6\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3^6, 4^6, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^5, 4^8, 12^6\})$	25952256
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^2, 4^{10}, 12^6\})$	103809024
12	$\mathcal{O}(1; \{2^{14}, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^7, 6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^7, 4^4, 6, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6, 12^6\})$	101449728
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^5, 6^2, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^8, 6^2, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^8, 4^2, 6^2, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^2, 12^6\})$	25214976

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^2, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^2, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^{12}, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^3, 6^3, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^6, 6^3, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^9, 6^3, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^9, 4^2, 6^3, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^3, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^3, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^6, 4^4, 6^3, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^3, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^3, 4^6, 6^3, 12^6\})$	50135040
12	$\mathcal{O}(1; \{4^8, 6^3, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^9, 3, 6^4, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^4, 6^4, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^7, 6^4, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^4, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^4, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3, 4^6, 6^4, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^6, 3^2, 6^5, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^5, 6^5, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^5, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^2, 4^4, 6^5, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^7, 6^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^3, 6^6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^4, 4^2, 6^6, 12^6\})$	25178112
12	$\mathcal{O}(1; \{3^3, 4^2, 6^6, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2, 4^4, 6^6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3, 6^7, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^4, 6^7, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^7, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2, 3^2, 6^8, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^2, 6^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^8, 4^3, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 12^7\})$	200540160

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^9, 4, 6, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^9, 4^3, 6, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^6, 4^5, 6, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^3, 4^7, 6, 12^7\})$	101449728
12	$\mathcal{O}(1; \{4^9, 6, 12^7\})$	405798912
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^2, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^2, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^2, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^2, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^2, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^2, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3, 4^7, 6^2, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^3, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^3, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^2, 4^5, 6^3, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^7, 4, 6^4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^4, 4^3, 6^4, 12^7\})$	50282496
12	$\mathcal{O}(1; \{3^3, 4^3, 6^4, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2, 4^5, 6^4, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^5, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^4, 4, 6^5, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^5, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^2, 4, 6^7, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^{12}, 3, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^{10}, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{3, 4^8, 12^8\})$	802160640

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^2, 6, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^5, 6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^8, 6, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3^2, 4^6, 6, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^{10}, 6^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^3, 6^2, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^6, 6^2, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^7, 4^2, 6^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^2, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^4, 4^4, 6^2, 12^8\})$	100859904
12	$\mathcal{O}(1; \{3^3, 4^4, 6^2, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2, 4^6, 6^2, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^7, 3, 6^3, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^4, 6^3, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^3, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^4, 4^2, 6^3, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^3, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^4, 3^2, 6^4, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^5, 6^4, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^4, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^5, 6^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2, 3^3, 6^5, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^2, 4^2, 6^5, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3, 6^6, 12^8\})$	201314304
12	$\mathcal{O}(1; \{6^8, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 4, 12^9\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^7, 4^3, 12^9\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2^4, 4^5, 12^9\})$	200540160
12	$\mathcal{O}(1; \{3^3, 4^5, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2, 4^7, 12^9\})$	802160640
12	$\mathcal{O}(1; \{2^7, 3, 4, 6, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6, 12^9\})$	201129984
12	$\mathcal{O}(1; \{3^4, 4^3, 6, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2, 3, 4^5, 6, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^2, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^5, 4, 6^2, 12^9\})$	1610661888

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^2, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^5, 4, 6^3, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^3, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^2, 4^3, 6^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{4, 6^6, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^7, 3^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{3^5, 4^2, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^8, 6, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^3, 6, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3^6, 6, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^5, 4^2, 6, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 4^4, 6, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{2^5, 3, 6^2, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2, 3^4, 6^2, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^3, 6^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{4^2, 6^4, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{3, 6^5, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3, 4, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^4, 4, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 4, 6^2, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{4^3, 6^2, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{3, 4, 6^3, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^6, 12^{12}\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2^3, 4^2, 12^{12}\})$	1611399168
12	$\mathcal{O}(1; \{4^4, 12^{12}\})$	6445596672
12	$\mathcal{O}(1; \{2^3, 3, 6, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{3, 4^2, 6, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{3^2, 6^2, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2, 6^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{3^2, 4, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{2, 4, 6, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{2, 3, 12^{14}\})$	12884115456
12	$\mathcal{O}(0; \{2^{25}, 3^3, 4^2\})$	4

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{21}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{15}, 4^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{18}, 4^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{21}, 4^2\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^4\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^4\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^4\})$	699056
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^6\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^6\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^9, 4^8\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^8\})$	174848
12	$\mathcal{O}(0; \{3^{15}, 4^8\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^6, 4^{10}\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^9, 4^{10}\})$	87040
12	$\mathcal{O}(0; \{2, 3^{12}, 4^{10}\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{12}\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{12}\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{14}\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{3^6, 4^{16}\})$	720896
12	$\mathcal{O}(0; \{2, 3^3, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{2^{26}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4^2, 6\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4^2, 6\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4^2, 6\})$	699052
12	$\mathcal{O}(0; \{2^{23}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^4, 6\})$	80

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^4, 6\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^4, 6\})$	349520
12	$\mathcal{O}(0; \{2^{20}, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^6, 6\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^6, 6\})$	174784
12	$\mathcal{O}(0; \{3^{16}, 4^6, 6\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^7, 4^8, 6\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^8, 6\})$	87296
12	$\mathcal{O}(0; \{2, 3^{13}, 4^8, 6\})$	699136
12	$\mathcal{O}(0; \{2^{14}, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^{10}, 6\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^7, 4^{10}, 6\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^{10}, 6\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{12}, 6\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{12}, 6\})$	176128
12	$\mathcal{O}(0; \{2^8, 3, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{14}, 6\})$	81920
12	$\mathcal{O}(0; \{3^7, 4^{14}, 6\})$	704512
12	$\mathcal{O}(0; \{2^5, 3, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{2, 3^4, 4^{16}, 6\})$	327680
12	$\mathcal{O}(0; \{2^2, 3, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^2, 6^2\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^2, 6^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^2, 6^2\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^4, 6^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^4, 6^2\})$	174768
12	$\mathcal{O}(0; \{3^{17}, 4^4, 6^2\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^8, 4^6, 6^2\})$	10944

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^6, 6^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^{14}, 4^6, 6^2\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^8, 6^2\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^8, 4^8, 6^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^8, 6^2\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{10}, 6^2\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{10}, 6^2\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{12}, 6^2\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{12}, 6^2\})$	86016
12	$\mathcal{O}(0; \{3^8, 4^{12}, 6^2\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{14}, 6^2\})$	49152
12	$\mathcal{O}(0; \{2, 3^5, 4^{14}, 6^2\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{16}, 6^2\})$	196608
12	$\mathcal{O}(0; \{2^{24}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^2, 6^3\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^2, 6^3\})$	174764
12	$\mathcal{O}(0; \{3^{18}, 4^2, 6^3\})$	1398100
12	$\mathcal{O}(0; \{2^{21}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^4, 6^3\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^9, 4^4, 6^3\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^4, 6^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^{15}, 4^4, 6^3\})$	699056
12	$\mathcal{O}(0; \{2^{18}, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^6, 6^3\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^9, 4^6, 6^3\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^6, 6^3\})$	349504
12	$\mathcal{O}(0; \{2^{15}, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^6, 4^8, 6^3\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^9, 4^8, 6^3\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{10}, 6^3\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{10}, 6^3\})$	87040
12	$\mathcal{O}(0; \{3^9, 4^{10}, 6^3\})$	699392
12	$\mathcal{O}(0; \{2^9, 4^{12}, 6^3\})$	4096
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{12}, 6^3\})$	45056

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^6, 4^{12}, 6^3\})$	348160
12	$\mathcal{O}(0; \{2^6, 4^{14}, 6^3\})$	16384
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{14}, 6^3\})$	180224
12	$\mathcal{O}(0; \{2^3, 4^{16}, 6^3\})$	65536
12	$\mathcal{O}(0; \{4^{18}, 6^3\})$	262144
12	$\mathcal{O}(0; \{2^{21}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^2, 6^4\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^2, 6^4\})$	87380
12	$\mathcal{O}(0; \{2, 3^{16}, 4^2, 6^4\})$	699052
12	$\mathcal{O}(0; \{2^{18}, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^4, 6^4\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^4, 6^4\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^4, 6^4\})$	349520
12	$\mathcal{O}(0; \{2^{15}, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^7, 4^6, 6^4\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^6, 6^4\})$	174784
12	$\mathcal{O}(0; \{2^{12}, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^4, 4^8, 6^4\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^7, 4^8, 6^4\})$	87296
12	$\mathcal{O}(0; \{3^{10}, 4^8, 6^4\})$	699136
12	$\mathcal{O}(0; \{2^9, 3, 4^{10}, 6^4\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{10}, 6^4\})$	44032
12	$\mathcal{O}(0; \{2, 3^7, 4^{10}, 6^4\})$	349184
12	$\mathcal{O}(0; \{2^6, 3, 4^{12}, 6^4\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{12}, 6^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3, 4^{14}, 6^4\})$	81920
12	$\mathcal{O}(0; \{3, 4^{16}, 6^4\})$	327680
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 6^5\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 6^5\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 6^5\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 6^5\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 6^5\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 6^5\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 6^5\})$	87360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{11}, 4^6, 6^5\})$	699072
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 6^5\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 6^5\})$	43776
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 6^5\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 6^5\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 6^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 6^5\})$	86016
12	$\mathcal{O}(0; \{3^2, 4^{14}, 6^5\})$	344064
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6^6\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6^6\})$	174764
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6^6\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6^6\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6^6\})$	87376
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6^6\})$	699056
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6^6\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6^6\})$	43712
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6^6\})$	349504
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6^6\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6^6\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6^6\})$	174848
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6^6\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6^6\})$	87040
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6^6\})$	45056
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6^6\})$	348160
12	$\mathcal{O}(0; \{2, 4^{14}, 6^6\})$	180224
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^7\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^7\})$	87380
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^7\})$	699052
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^7\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^7\})$	43696
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^7\})$	349520
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^7\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^7\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^7\})$	174784
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^7\})$	11008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^7\})$	87296
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^7\})$	44032
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^7\})$	349184
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^7\})$	176128
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^8\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^8\})$	43692
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^8\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^8\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^8\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^8\})$	174768
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^8\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^8\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^8\})$	43776
12	$\mathcal{O}(0; \{3^5, 4^8, 6^8\})$	349440
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^8\})$	175104
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^9\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^9\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^9\})$	174764
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^9\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^9\})$	87376
12	$\mathcal{O}(0; \{2^8, 4^6, 6^9\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^9\})$	43712
12	$\mathcal{O}(0; \{3^6, 4^6, 6^9\})$	349504
12	$\mathcal{O}(0; \{2^5, 4^8, 6^9\})$	21760
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^9\})$	174848
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^9\})$	87040
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^{10}\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^{10}\})$	87380
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^{10}\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^{10}\})$	43696
12	$\mathcal{O}(0; \{3^7, 4^4, 6^{10}\})$	349520
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^{10}\})$	21824
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^{10}\})$	174784
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^{10}\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^{11}\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^{11}\})$	43692
12	$\mathcal{O}(0; \{3^8, 4^2, 6^{11}\})$	349524
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^{11}\})$	21840
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^{11}\})$	174768

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^{11}\})$	87360
12	$\mathcal{O}(0; \{2^9, 4^2, 6^{12}\})$	2732
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^{12}\})$	21844
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^{12}\})$	174764
12	$\mathcal{O}(0; \{2^6, 4^4, 6^{12}\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^{12}\})$	87376
12	$\mathcal{O}(0; \{2^3, 4^6, 6^{12}\})$	43712
12	$\mathcal{O}(0; \{4^8, 6^{12}\})$	174848
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^{13}\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^{13}\})$	87380
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^{13}\})$	43696
12	$\mathcal{O}(0; \{3, 4^6, 6^{13}\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^{14}\})$	43692
12	$\mathcal{O}(0; \{3^2, 4^4, 6^{14}\})$	174768
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{15}\})$	21844
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{15}\})$	174764
12	$\mathcal{O}(0; \{2, 4^4, 6^{15}\})$	87376
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{16}\})$	87380
12	$\mathcal{O}(0; \{2^{26}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{14}, 4, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{17}, 4, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{20}, 4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^3, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^3, 12\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^5, 12\})$	349504
12	$\mathcal{O}(0; \{3^{17}, 4^5, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^8, 4^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^7, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^{14}, 4^7, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^9, 12\})$	1024

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^9, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^8, 4^9, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^9, 12\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{11}, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{11}, 12\})$	348160
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{13}, 12\})$	180224
12	$\mathcal{O}(0; \{3^8, 4^{13}, 12\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2, 3^5, 4^{15}, 12\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{2^{27}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4, 6, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4, 6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^3, 6, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^3, 6, 12\})$	349520
12	$\mathcal{O}(0; \{3^{18}, 4^3, 6, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^9, 4^5, 6, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^5, 6, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{15}, 4^5, 6, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^7, 6, 12\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^7, 6, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^9, 4^7, 6, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^7, 6, 12\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^6, 4^9, 6, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^9, 4^9, 6, 12\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{11}, 6, 12\})$	20480

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{11}, 6, 12\})$	176128
12	$\mathcal{O}(0; \{3^9, 4^{11}, 6, 12\})$	1396736
12	$\mathcal{O}(0; \{2^9, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{13}, 6, 12\})$	81920
12	$\mathcal{O}(0; \{2, 3^6, 4^{13}, 6, 12\})$	704512
12	$\mathcal{O}(0; \{2^6, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{15}, 6, 12\})$	327680
12	$\mathcal{O}(0; \{2^3, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{4^{19}, 6, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4, 6^2, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4, 6^2, 12\})$	349524
12	$\mathcal{O}(0; \{3^{19}, 4, 6^2, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^3, 6^2, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^3, 6^2, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{16}, 4^3, 6^2, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^5, 6^2, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^5, 6^2, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^5, 6^2, 12\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^7, 4^7, 6^2, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^7, 6^2, 12\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^4, 4^9, 6^2, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^7, 4^9, 6^2, 12\})$	175104
12	$\mathcal{O}(0; \{3^{10}, 4^9, 6^2, 12\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3, 4^{11}, 6^2, 12\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{11}, 6^2, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^7, 4^{11}, 6^2, 12\})$	700416
12	$\mathcal{O}(0; \{2^6, 3, 4^{13}, 6^2, 12\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{13}, 6^2, 12\})$	344064
12	$\mathcal{O}(0; \{2^3, 3, 4^{15}, 6^2, 12\})$	196608
12	$\mathcal{O}(0; \{3, 4^{17}, 6^2, 12\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4, 6^3, 12\})$	44

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4, 6^3, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4, 6^3, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{17}, 4, 6^3, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^3, 6^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^3, 6^3, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^3, 6^3, 12\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^8, 4^5, 6^3, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^5, 6^3, 12\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^5, 4^7, 6^3, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^8, 4^7, 6^3, 12\})$	174848
12	$\mathcal{O}(0; \{3^{11}, 4^7, 6^3, 12\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3^2, 4^9, 6^3, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^5, 4^9, 6^3, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^8, 4^9, 6^3, 12\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{11}, 6^3, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{11}, 6^3, 12\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{13}, 6^3, 12\})$	180224
12	$\mathcal{O}(0; \{3^2, 4^{15}, 6^3, 12\})$	720896
12	$\mathcal{O}(0; \{2^{22}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4, 6^4, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4, 6^4, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4, 6^4, 12\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^9, 4^3, 6^4, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^3, 6^4, 12\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^6, 4^5, 6^4, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^9, 4^5, 6^4, 12\})$	174784
12	$\mathcal{O}(0; \{3^{12}, 4^5, 6^4, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^3, 4^7, 6^4, 12\})$	11008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^6, 4^7, 6^4, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^9, 4^7, 6^4, 12\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 4^9, 6^4, 12\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^3, 4^9, 6^4, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^6, 4^9, 6^4, 12\})$	349184
12	$\mathcal{O}(0; \{2^7, 4^{11}, 6^4, 12\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{11}, 6^4, 12\})$	176128
12	$\mathcal{O}(0; \{2^4, 4^{13}, 6^4, 12\})$	81920
12	$\mathcal{O}(0; \{3^3, 4^{13}, 6^4, 12\})$	704512
12	$\mathcal{O}(0; \{2, 4^{15}, 6^4, 12\})$	327680
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 6^5, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 6^5, 12\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 6^5, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 6^5, 12\})$	174768
12	$\mathcal{O}(0; \{3^{13}, 4^3, 6^5, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 6^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 6^5, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 6^5, 12\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 6^5, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 6^5, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 6^5, 12\})$	349440
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 6^5, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 6^5, 12\})$	175104
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 6^5, 12\})$	86016
12	$\mathcal{O}(0; \{3^4, 4^{11}, 6^5, 12\})$	700416
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 6^5, 12\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6^6, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6^6, 12\})$	174764
12	$\mathcal{O}(0; \{3^{14}, 4, 6^6, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6^6, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6^6, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6^6, 12\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6^6, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6^6, 12\})$	43712

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6^6, 12\})$	349504
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6^6, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6^6, 12\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6^6, 12\})$	87040
12	$\mathcal{O}(0; \{3^5, 4^9, 6^6, 12\})$	699392
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6^6, 12\})$	348160
12	$\mathcal{O}(0; \{2^{17}, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^7, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^7, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^7, 12\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^7, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^7, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^7, 12\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^7, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^7, 12\})$	174784
12	$\mathcal{O}(0; \{2^8, 4^7, 6^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^7, 12\})$	87296
12	$\mathcal{O}(0; \{3^6, 4^7, 6^7, 12\})$	699136
12	$\mathcal{O}(0; \{2^5, 4^9, 6^7, 12\})$	44032
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^7, 12\})$	349184
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^7, 12\})$	176128
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^8, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^8, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^8, 12\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^8, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^8, 12\})$	174768
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^8, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^8, 12\})$	87360
12	$\mathcal{O}(0; \{3^7, 4^5, 6^8, 12\})$	699072
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^8, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^8, 12\})$	349440
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^8, 12\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^9, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^9, 12\})$	174764
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^9, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^9, 12\})$	87376
12	$\mathcal{O}(0; \{3^8, 4^3, 6^9, 12\})$	699056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^9, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^9, 12\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^9, 12\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^{10}, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^{10}, 12\})$	87380
12	$\mathcal{O}(0; \{3^9, 4, 6^{10}, 12\})$	699052
12	$\mathcal{O}(0; \{2^9, 4^3, 6^{10}, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^{10}, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^{10}, 12\})$	349520
12	$\mathcal{O}(0; \{2^6, 4^5, 6^{10}, 12\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^{10}, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 4^7, 6^{10}, 12\})$	87296
12	$\mathcal{O}(0; \{4^9, 6^{10}, 12\})$	349184
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^{11}, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^{11}, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^{11}, 12\})$	349524
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^{11}, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^{11}, 12\})$	174768
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^{11}, 12\})$	87360
12	$\mathcal{O}(0; \{3, 4^7, 6^{11}, 12\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^{12}, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^{12}, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^{12}, 12\})$	87376
12	$\mathcal{O}(0; \{3^2, 4^5, 6^{12}, 12\})$	349504
12	$\mathcal{O}(0; \{2^7, 4, 6^{13}, 12\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^{13}, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 4^3, 6^{13}, 12\})$	43696
12	$\mathcal{O}(0; \{3^3, 4^3, 6^{13}, 12\})$	349520
12	$\mathcal{O}(0; \{2, 4^5, 6^{13}, 12\})$	174784
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^{14}, 12\})$	43692
12	$\mathcal{O}(0; \{3^4, 4, 6^{14}, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^{14}, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{15}, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 4, 6^{16}, 12\})$	87380
12	$\mathcal{O}(0; \{2^{27}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{16}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{19}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{24}, 3, 4^2, 12^2\})$	16

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{19}, 4^2, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{16}, 4^4, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^7, 4^8, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^8, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{10}, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{10}, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^{10}, 4^{10}, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^9, 3, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{12}, 12^2\})$	180224
12	$\mathcal{O}(0; \{2, 3^7, 4^{12}, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^6, 3, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{14}, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^3, 3, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{3, 4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{14}, 6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{17}, 6, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{20}, 6, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^2, 6, 12^2\})$	43696

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^2, 6, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{17}, 4^2, 6, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^4, 6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^4, 6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^4, 6, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^8, 4^6, 6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^6, 6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^5, 4^8, 6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^8, 4^8, 6, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^{11}, 4^8, 6, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{10}, 6, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{10}, 6, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^8, 4^{10}, 6, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{12}, 6, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{12}, 6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{14}, 6, 12^2\})$	327680
12	$\mathcal{O}(0; \{3^2, 4^{16}, 6, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{25}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{12}, 6^2, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{15}, 6^2, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{18}, 6^2, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^2, 6^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^2, 6^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^2, 6^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^9, 4^4, 6^2, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^4, 6^2, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^6, 4^6, 6^2, 12^2\})$	43776

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^9, 4^6, 6^2, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^{12}, 4^6, 6^2, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^3, 4^8, 6^2, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^6, 4^8, 6^2, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^9, 4^8, 6^2, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 4^{10}, 6^2, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{10}, 6^2, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{10}, 6^2, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^7, 4^{12}, 6^2, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{12}, 6^2, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^4, 4^{14}, 6^2, 12^2\})$	196608
12	$\mathcal{O}(0; \{3^3, 4^{14}, 6^2, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2, 4^{16}, 6^2, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{22}, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^3, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{13}, 6^3, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{16}, 6^3, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 6^3, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 6^3, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 6^3, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 6^3, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 6^3, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{13}, 4^4, 6^3, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 6^3, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 6^3, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 6^3, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 6^3, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 6^3, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 6^3, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 6^3, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 6^3, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 6^3, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^4, 4^{12}, 6^3, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 6^3, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{19}, 3^2, 6^4, 12^2\})$	172

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{11}, 6^4, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{14}, 6^4, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6^4, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6^4, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6^4, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6^4, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6^4, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6^4, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6^4, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6^4, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6^4, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6^4, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6^4, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{20}, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^3, 6^5, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^9, 6^5, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{12}, 6^5, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{15}, 6^5, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^5, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^5, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^5, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^5, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^5, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^5, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^5, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^5, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^8, 4^8, 6^5, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^5, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^6, 4^8, 6^5, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^5, 12^2\})$	86016

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^5, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^5, 12^2\})$	344064
12	$\mathcal{O}(0; \{2^{17}, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^7, 6^6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6^6, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{13}, 6^6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^6, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^6, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^7, 4^6, 6^6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^6, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^6, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^6, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^7, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^8, 6^7, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^7, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^7, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^7, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^7, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^7, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^8, 4^4, 6^7, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^7, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^7, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^7, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{15}, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^6, 6^8, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^9, 6^8, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^8, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^8, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^9, 4^2, 6^8, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^9, 4^4, 6^8, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^8, 12^2\})$	87360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^8, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^6, 4^6, 6^8, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^8, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^3, 4^8, 6^8, 12^2\})$	175104
12	$\mathcal{O}(0; \{4^{10}, 6^8, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{12}, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^4, 6^9, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^7, 6^9, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^{10}, 6^9, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^9, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^9, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^9, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^9, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^9, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^9, 12^2\})$	174848
12	$\mathcal{O}(0; \{3, 4^8, 6^9, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^9, 3^2, 6^{10}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^5, 6^{10}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^8, 6^{10}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^{10}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^{10}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^{10}, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^2, 4^6, 6^{10}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 6^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^3, 6^{11}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^6, 6^{11}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^7, 4^2, 6^{11}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^{11}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^4, 4^4, 6^{11}, 12^2\})$	87360
12	$\mathcal{O}(0; \{3^3, 4^4, 6^{11}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2, 4^6, 6^{11}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^7, 3, 6^{12}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^4, 6^{12}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^{12}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^4, 4^2, 6^{12}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^{12}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^2, 6^{13}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^5, 6^{13}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{13}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^5, 6^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2, 3^3, 6^{14}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{14}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3, 6^{15}, 12^2\})$	174764

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{6^{17}, 12^{21}\})$	349524
12	$\mathcal{O}(0; \{2^{25}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{18}, 4, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{22}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{19}, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^9, 4^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{16}, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^6, 4^7, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^9, 4^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^{12}, 4^7, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^{13}, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^3, 4^9, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^6, 4^9, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^9, 4^9, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 4^{11}, 12^3\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{11}, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{11}, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^7, 4^{13}, 12^3\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{13}, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^4, 4^{15}, 12^3\})$	262144
12	$\mathcal{O}(0; \{3^3, 4^{15}, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2, 4^{17}, 12^3\})$	1048576
12	$\mathcal{O}(0; \{2^{22}, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4, 6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4, 6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4, 6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 3, 4^3, 6, 12^3\})$	320

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^3, 6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^3, 6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^7, 4^5, 6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^5, 6, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^{13}, 4^5, 6, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^4, 4^7, 6, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^7, 4^7, 6, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^{10}, 4^7, 6, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 3, 4^9, 6, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^4, 4^9, 6, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^7, 4^9, 6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3, 4^{11}, 6, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{11}, 6, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^4, 3, 4^{13}, 6, 12^3\})$	327680
12	$\mathcal{O}(0; \{3^4, 4^{13}, 6, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2, 3, 4^{15}, 6, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4, 6^2, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4, 6^2, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4, 6^2, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^8, 4^3, 6^2, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^3, 6^2, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{14}, 4^3, 6^2, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^5, 4^5, 6^2, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^8, 4^5, 6^2, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^{11}, 4^5, 6^2, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^7, 6^2, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^5, 4^7, 6^2, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^8, 4^7, 6^2, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^2, 4^9, 6^2, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^5, 4^9, 6^2, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{11}, 6^2, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^5, 4^{11}, 6^2, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2, 3^2, 4^{13}, 6^2, 12^3\})$	1376256

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{20}, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 6^3, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 6^3, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{15}, 4, 6^3, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 6^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 6^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 6^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 6^3, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 6^3, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 6^3, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 6^3, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 6^3, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^8, 4^9, 6^3, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 6^3, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^6, 4^9, 6^3, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^5, 4^{11}, 6^3, 12^3\})$	180224
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 6^3, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^2, 4^{13}, 6^3, 12^3\})$	720896
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6^4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6^4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6^4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6^4, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6^4, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6^4, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6^4, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6^4, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6^4, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6^4, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^7, 4^7, 6^4, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6^4, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6^4, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6^4, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^5, 12^3\})$	2736

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^5, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^5, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^5, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^5, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^5, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^5, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^8, 4^5, 6^5, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^5, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^5, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^5, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^{15}, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^6, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^6, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^9, 4^3, 6^6, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^9, 4^5, 6^6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^6, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^6, 4^7, 6^6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^6, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^3, 4^9, 6^6, 12^3\})$	348160
12	$\mathcal{O}(0; \{4^{11}, 6^6, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^7, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^7, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^{10}, 4, 6^7, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^7, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^7, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^7, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^7, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^7, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{3, 4^9, 6^7, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^8, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^8, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^8, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^8, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^8, 12^3\})$	699072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^8, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^2, 4^7, 6^8, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 4, 6^9, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^9, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^9, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^7, 4^3, 6^9, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^9, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^4, 4^5, 6^9, 12^3\})$	174848
12	$\mathcal{O}(0; \{3^3, 4^5, 6^9, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2, 4^7, 6^9, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^{10}, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^{10}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^{10}, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^4, 4^3, 6^{10}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^{10}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^{11}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^5, 4, 6^{11}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^{11}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^5, 4, 6^{12}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^{12}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 4^3, 6^{12}, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{13}, 12^3\})$	349520
12	$\mathcal{O}(0; \{4, 6^{15}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{22}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{17}, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^{14}, 4^4, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 12^4\})$	5592064

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 12^4\})$	720896
12	$\mathcal{O}(0; \{3^5, 4^{12}, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{23}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{19}, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{12}, 6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{15}, 6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6, 12^4\})$	327680
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6, 12^4\})$	1310720
12	$\mathcal{O}(0; \{2^{20}, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{10}, 6^2, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{13}, 6^2, 12^4\})$	1398096

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{16}, 6^2, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^2, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^2, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^2, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^2, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^2, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^2, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^2, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^7, 4^8, 6^2, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^2, 12^4\})$	344064
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^2, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^2, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{17}, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^8, 6^3, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{11}, 6^3, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{14}, 6^3, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^3, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^3, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^3, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^3, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^3, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^3, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^3, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^8, 4^6, 6^3, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^3, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^3, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^3, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{18}, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6^4, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^9, 6^4, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6^4, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^4, 12^4\})$	2752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^4, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^4, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^9, 4^4, 6^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^9, 4^6, 6^4, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^4, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^4, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^6, 4^8, 6^4, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^4, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^4, 12^4\})$	704512
12	$\mathcal{O}(0; \{4^{12}, 6^4, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{15}, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^7, 6^5, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^5, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^5, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^5, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^5, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^5, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^5, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^5, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^5, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^5, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^5, 12^4\})$	700416
12	$\mathcal{O}(0; \{3, 4^{10}, 6^5, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^5, 6^6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^8, 6^6, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{11}, 6^6, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^6, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^2, 4^8, 6^6, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^{13}, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^3, 6^7, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^6, 6^7, 12^4\})$	349520

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^9, 6^7, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^7, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^7, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^7, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^7, 4^4, 6^7, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^7, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^4, 4^6, 6^7, 12^4\})$	349184
12	$\mathcal{O}(0; \{3^3, 4^6, 6^7, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2, 4^8, 6^7, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3, 6^8, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^4, 6^8, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^7, 6^8, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^8, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^8, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^8, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^4, 4^4, 6^8, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^8, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^2, 6^9, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^5, 6^9, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^9, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^5, 4^2, 6^9, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^9, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^8, 6^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^3, 6^{10}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^6, 6^{10}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{10}, 12^4\})$	174784
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{10}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{10}, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^5, 3, 6^{11}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^4, 6^{11}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{11}, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^2, 6^{12}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 6^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{4^2, 6^{13}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3, 6^{14}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{16}, 4, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 12^5\})$	21760

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^7, 4^9, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 12^5\})$	720896
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 12^5\})$	2883584
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^8, 4^7, 6, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6, 12^5\})$	704512
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{18}, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^2, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^2, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^2, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^2, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^2, 12^5\})$	2796288

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^2, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^2, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^9, 4^5, 6^2, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^9, 4^7, 6^2, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^2, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^2, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^6, 4^9, 6^2, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^2, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^2, 12^5\})$	1376256
12	$\mathcal{O}(0; \{4^{13}, 6^2, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^3, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^3, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^3, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^3, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^3, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^3, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^3, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^3, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^3, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3, 4^{11}, 6^3, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{11}, 4, 6^4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^4, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^4, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^4, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^4, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^4, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^4, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^2, 4^9, 6^4, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^{13}, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^5, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^5, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^5, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^5, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^5, 12^5\})$	349440

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^5, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^7, 4^5, 6^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^4, 4^7, 6^5, 12^5\})$	700416
12	$\mathcal{O}(0; \{3^3, 4^7, 6^5, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2, 4^9, 6^5, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^6, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^4, 4^5, 6^6, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^7, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^7, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^7, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^5, 4^3, 6^7, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^7, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^8, 4, 6^8, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^8, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^6, 4, 6^8, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^5, 4^3, 6^8, 12^5\})$	349440
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^8, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^2, 4^5, 6^8, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^9, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^9, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^9, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{10}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^3, 4, 6^{11}, 12^5\})$	699072
12	$\mathcal{O}(0; \{4^3, 6^{11}, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3, 4, 6^{12}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{21}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^{17}, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{15}, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{18}, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 12^6\})$	11184896

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^{12}, 4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^9, 4^6, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^9, 4^8, 12^6\})$	180224
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^6, 4^{10}, 12^6\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^3, 4^{12}, 12^6\})$	2883584
12	$\mathcal{O}(0; \{4^{14}, 12^6\})$	11534336
12	$\mathcal{O}(0; \{2^{18}, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6, 12^6\})$	2818048
12	$\mathcal{O}(0; \{3, 4^{12}, 6, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^8, 6^2, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^2, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^2, 12^6\})$	22369536

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^2, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^2, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^2, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^2, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^2, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^2, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^2, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{16}, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^6, 6^3, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^9, 6^3, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{12}, 6^3, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^3, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^3, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^3, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^3, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^3, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^3, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^7, 4^6, 6^3, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^3, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^4, 4^8, 6^3, 12^6\})$	1392640
12	$\mathcal{O}(0; \{3^3, 4^8, 6^3, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2, 4^{10}, 6^3, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{13}, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^4, 6^4, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^7, 6^4, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{10}, 6^4, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^4, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^4, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^4, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^4, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^4, 4^6, 6^4, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^4, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^5, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^5, 6^5, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^8, 6^5, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^5, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^5, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^5, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^5, 4^4, 6^5, 12^6\})$	11185152

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^5, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^{11}, 6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^3, 6^6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^6, 6^6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^8, 4^2, 6^6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^6, 4^2, 6^6, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^5, 4^4, 6^6, 12^6\})$	699392
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^2, 4^6, 6^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3, 6^7, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^4, 6^7, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^7, 6^7, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^7, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^7, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^7, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^2, 6^8, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^5, 6^8, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^8, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^6, 6^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^3, 6^9, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^3, 4^2, 6^9, 12^6\})$	1398016
12	$\mathcal{O}(0; \{4^4, 6^9, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3, 6^{10}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3, 4^2, 6^{10}, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3^2, 6^{11}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 6^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^{11}, 4^3, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 12^7\})$	5570560
12	$\mathcal{O}(0; \{3^2, 4^{11}, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{16}, 4, 6, 12^7\})$	11008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^{12}, 4, 6, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^7, 4^7, 6, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^4, 4^9, 6, 12^7\})$	2818048
12	$\mathcal{O}(0; \{3^3, 4^9, 6, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2, 4^{11}, 6, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^2, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^2, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^2, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^2, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^2, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^2, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^2, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^2, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^2, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3^4, 4^7, 6^2, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^2, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^3, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^3, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^3, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^3, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^5, 4^5, 6^3, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^3, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^{11}, 4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^8, 4^3, 6^4, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^4, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^6, 4^3, 6^4, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^5, 4^5, 6^4, 12^7\})$	1396736

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^4, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^2, 4^7, 6^4, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^5, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^5, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^7, 4, 6^5, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^5, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^5, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^6, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^6, 4, 6^7, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^7, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^3, 4^3, 6^7, 12^7\})$	2796544
12	$\mathcal{O}(0; \{4^5, 6^7, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^8, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3, 4^3, 6^8, 12^7\})$	11185152
12	$\mathcal{O}(0; \{3^2, 4, 6^9, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2, 4, 6^{10}, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{16}, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{12}, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^{13}, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 12^8\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 12^8\})$	5570560
12	$\mathcal{O}(0; \{3^4, 4^8, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^5, 6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^8, 6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{11}, 6, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6, 12^8\})$	22369280

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3^5, 4^6, 6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{14}, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^2, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^6, 6^2, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^9, 6^2, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^8, 4^4, 6^2, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^2, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^6, 4^4, 6^2, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^5, 4^6, 6^2, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^2, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^2, 4^8, 6^2, 12^8\})$	11206656
12	$\mathcal{O}(0; \{2^{11}, 3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^4, 6^3, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^7, 6^3, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^3, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^3, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^7, 4^2, 6^3, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^3, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^3, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^3, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^8, 3^2, 6^4, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^5, 6^4, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^8, 6^4, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^4, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^4, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^9, 6^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^3, 6^5, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^6, 6^5, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^6, 4^2, 6^5, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^5, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^3, 4^4, 6^5, 12^8\})$	5591040
12	$\mathcal{O}(0; \{4^6, 6^5, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^6, 3, 6^6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^4, 6^6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^6, 12^8\})$	5592064

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^4, 6^6, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^2, 6^7, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^2, 4^2, 6^7, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^4, 6^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{3^3, 6^8, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2, 4^2, 6^8, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2, 3, 6^9, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{11}, 4^3, 12^9\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^8, 4^5, 12^9\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3^6, 4^5, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^5, 4^7, 12^9\})$	5570560
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^2, 4^9, 12^9\})$	22282240
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^7, 4^3, 6, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^2, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^2, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^8, 4, 6^2, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^2, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^2, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^2, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^9, 4, 6^3, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^3, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^3, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^6, 4^3, 6^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^3, 4^5, 6^3, 12^9\})$	11190272
12	$\mathcal{O}(0; \{4^7, 6^3, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^4, 12^9\})$	2796544

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^4, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3, 4^5, 6^4, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^5, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^2, 4^3, 6^5, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^4, 4, 6^6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{3^3, 4, 6^6, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2, 4^3, 6^6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2, 3, 4, 6^7, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^{11}, 3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^8, 4^2, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^{12}, 6, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^3, 6, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^6, 6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^9, 6, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^9, 4^2, 6, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^6, 4^4, 6, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 4^6, 6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{4^8, 6, 12^{10}\})$	89391104
12	$\mathcal{O}(0; \{2^9, 3, 6^2, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^7, 6^2, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^2, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3, 4^6, 6^2, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^3, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^2, 4^4, 6^3, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^7, 6^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^4, 4^2, 6^4, 12^{10}\})$	11186176

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^2, 6^4, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2, 4^4, 6^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3, 6^5, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^4, 6^5, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^5, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^2, 6^6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^2, 6^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3, 4, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^7, 4, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 12^{11}\})$	44761088
12	$\mathcal{O}(0; \{3, 4^7, 12^{11}\})$	179044352
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3^2, 4^5, 6, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^7, 4, 6^2, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2, 4^5, 6^2, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^4, 4, 6^3, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 4, 6^5, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2^{10}, 12^{12}\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^7, 4^2, 12^{12}\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 4^4, 12^{12}\})$	44761088
12	$\mathcal{O}(0; \{3^3, 4^4, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2, 4^6, 12^{12}\})$	179044352
12	$\mathcal{O}(0; \{2^7, 3, 6, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^4, 6, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{3^4, 4^2, 6, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2, 3, 4^4, 6, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^5, 6^2, 12^{12}\})$	357912576

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^5, 6^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^3, 6^3, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3, 6^4, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{6^6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{3^5, 4, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2^5, 4, 6, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 4^3, 6, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{4, 6^4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^5, 3, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^4, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 6^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{4^2, 6^2, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{3, 6^3, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^3, 4, 12^{15}\})$	357892096
12	$\mathcal{O}(0; \{4^3, 12^{15}\})$	1431568384
12	$\mathcal{O}(0; \{3, 4, 6, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{3^2, 12^{16}\})$	2863333376
12	$\mathcal{O}(0; \{2, 6, 12^{16}\})$	1431633920
13	$\mathcal{O}(1; \{13^{14}\})$	16690940039135388
14	$\mathcal{O}(7; \emptyset)$	11111328602468784
14	$\mathcal{O}(6; \{2^4\})$	56693912371200
14	$\mathcal{O}(5; \{2^8\})$	289254653952
14	$\mathcal{O}(5; \{2, 7^3, 14\})$	53801365825536
14	$\mathcal{O}(4; \{2^{12}\})$	1475788800
14	$\mathcal{O}(4; \{7^7\})$	58786269957450
14	$\mathcal{O}(4; \{2^5, 7^3, 14\})$	274496764416
14	$\mathcal{O}(4; \{2^3, 7^2, 14^3\})$	1638125852160
14	$\mathcal{O}(4; \{2, 7, 14^5\})$	9837609847296
14	$\mathcal{O}(3; \{2^{16}\})$	7529472
14	$\mathcal{O}(3; \{2^4, 7^7\})$	301106144640
14	$\mathcal{O}(3; \{2^9, 7^3, 14\})$	1400493696
14	$\mathcal{O}(3; \{2^2, 7^6, 14^2\})$	1806682045056
14	$\mathcal{O}(3; \{2^7, 7^2, 14^3\})$	8357784960
14	$\mathcal{O}(3; \{7^5, 14^4\})$	10840047093120
14	$\mathcal{O}(3; \{2^5, 7, 14^5\})$	50191886976

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(3; \{2^3, 14^7\})$	301106144640
14	$\mathcal{O}(2; \{2^{20}\})$	38400
14	$\mathcal{O}(2; \{2^8, 7^7\})$	1536255840
14	$\mathcal{O}(2; \{2^{13}, 7^3, 14\})$	7145376
14	$\mathcal{O}(2; \{2, 7^{10}, 14\})$	1991030210400
14	$\mathcal{O}(2; \{2^6, 7^6, 14^2\})$	9217765536
14	$\mathcal{O}(2; \{2^{11}, 7^2, 14^3\})$	42641760
14	$\mathcal{O}(2; \{2^4, 7^5, 14^4\})$	55306362720
14	$\mathcal{O}(2; \{2^9, 7, 14^5\})$	256081056
14	$\mathcal{O}(2; \{2^2, 7^4, 14^6\})$	331838406816
14	$\mathcal{O}(2; \{2^7, 14^7\})$	1536255840
14	$\mathcal{O}(2; \{7^3, 14^8\})$	1991030210400
14	$\mathcal{O}(1; \{2^{24}\})$	192
14	$\mathcal{O}(1; \{2^{12}, 7^7\})$	7838040
14	$\mathcal{O}(1; \{7^{14}\})$	1645647446142
14	$\mathcal{O}(1; \{2^{17}, 7^3, 14\})$	36456
14	$\mathcal{O}(1; \{2^5, 7^{10}, 14\})$	10158317400
14	$\mathcal{O}(1; \{2^{10}, 7^6, 14^2\})$	47029416
14	$\mathcal{O}(1; \{2^{15}, 7^2, 14^3\})$	217560
14	$\mathcal{O}(1; \{2^3, 7^9, 14^3\})$	60949905576
14	$\mathcal{O}(1; \{2^8, 7^5, 14^4\})$	282175320
14	$\mathcal{O}(1; \{2^{13}, 7, 14^5\})$	1306536
14	$\mathcal{O}(1; \{2, 7^8, 14^5\})$	365699432280
14	$\mathcal{O}(1; \{2^6, 7^4, 14^6\})$	1693053096
14	$\mathcal{O}(1; \{2^{11}, 14^7\})$	7838040
14	$\mathcal{O}(1; \{2^4, 7^3, 14^8\})$	10158317400
14	$\mathcal{O}(1; \{2^2, 7^2, 14^{10}\})$	60949905576
14	$\mathcal{O}(1; \{7, 14^{12}\})$	365699432280
14	$\mathcal{O}(0; \{2^{16}, 7^7\})$	39990
14	$\mathcal{O}(0; \{2^4, 7^{14}\})$	11194880586
14	$\mathcal{O}(0; \{2^{21}, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2^9, 7^{10}, 14\})$	51828150
14	$\mathcal{O}(0; \{2^{14}, 7^6, 14^2\})$	239946
14	$\mathcal{O}(0; \{2^2, 7^{13}, 14^2\})$	67169283510
14	$\mathcal{O}(0; \{2^{19}, 7^2, 14^3\})$	1110
14	$\mathcal{O}(0; \{2^7, 7^9, 14^3\})$	310968906
14	$\mathcal{O}(0; \{2^{12}, 7^5, 14^4\})$	1439670
14	$\mathcal{O}(0; \{7^{12}, 14^4\})$	403015701066
14	$\mathcal{O}(0; \{2^{17}, 7, 14^5\})$	6666
14	$\mathcal{O}(0; \{2^5, 7^8, 14^5\})$	1865813430
14	$\mathcal{O}(0; \{2^{10}, 7^4, 14^6\})$	8638026
14	$\mathcal{O}(0; \{2^{15}, 14^7\})$	39990
14	$\mathcal{O}(0; \{2^3, 7^7, 14^7\})$	11194880586

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^8, 7^3, 14^8\})$	51828150
14	$\mathcal{O}(0; \{2, 7^6, 14^9\})$	67169283510
14	$\mathcal{O}(0; \{2^6, 7^2, 14^{10}\})$	310968906
14	$\mathcal{O}(0; \{2^4, 7, 14^{12}\})$	1865813430
14	$\mathcal{O}(0; \{2^2, 14^{14}\})$	11194880586
15	$\mathcal{O}(5; \{5^4\})$	2998531250000
15	$\mathcal{O}(5; \{3, 5^2, 15\})$	13839609375000
15	$\mathcal{O}(5; \{3^2, 15^2\})$	13839609375000
15	$\mathcal{O}(4; \{3^3, 5^4\})$	266540625000
15	$\mathcal{O}(4; \{3^4, 5^2, 15\})$	307546875000
15	$\mathcal{O}(4; \{3^5, 15^2\})$	430565625000
15	$\mathcal{O}(4; \{5^3, 15^3\})$	4203140625000
15	$\mathcal{O}(4; \{3, 5, 15^4\})$	5228296875000
15	$\mathcal{O}(3; \{3^6, 5^4\})$	13030875000
15	$\mathcal{O}(3; \{5^9\})$	596368500000
15	$\mathcal{O}(3; \{3^7, 5^2, 15\})$	11755125000
15	$\mathcal{O}(3; \{3, 5^7, 15\})$	298616625000
15	$\mathcal{O}(3; \{3^8, 15^2\})$	15582375000
15	$\mathcal{O}(3; \{3^2, 5^5, 15^2\})$	223894125000
15	$\mathcal{O}(3; \{3^3, 5^3, 15^3\})$	205486875000
15	$\mathcal{O}(3; \{3^4, 5, 15^4\})$	199837125000
15	$\mathcal{O}(3; \{5^2, 15^6\})$	3284782875000
15	$\mathcal{O}(3; \{3, 15^7\})$	3209149125000
15	$\mathcal{O}(2; \{3^9, 5^4\})$	447525000
15	$\mathcal{O}(2; \{3^3, 5^9\})$	5308335000
15	$\mathcal{O}(2; \{3^{10}, 5^2, 15\})$	414315000
15	$\mathcal{O}(2; \{3^4, 5^7, 15\})$	6635925000
15	$\mathcal{O}(2; \{3^{11}, 15^2\})$	552825000
15	$\mathcal{O}(2; \{3^5, 5^5, 15^2\})$	6965595000
15	$\mathcal{O}(2; \{3^6, 5^3, 15^3\})$	7057125000
15	$\mathcal{O}(2; \{5^8, 15^3\})$	84934575000
15	$\mathcal{O}(2; \{3^7, 5, 15^4\})$	7043355000
15	$\mathcal{O}(2; \{3, 5^6, 15^4\})$	106168725000
15	$\mathcal{O}(2; \{3^2, 5^4, 15^5\})$	111475035000
15	$\mathcal{O}(2; \{3^3, 5^2, 15^6\})$	112810725000
15	$\mathcal{O}(2; \{3^4, 15^7\})$	113107995000
15	$\mathcal{O}(2; \{5, 15^9\})$	1804868325000
15	$\mathcal{O}(1; \{3^{12}, 5^4\})$	15982200
15	$\mathcal{O}(1; \{3^6, 5^9\})$	259518600
15	$\mathcal{O}(1; \{5^{14}\})$	10737418400
15	$\mathcal{O}(1; \{3^{13}, 5^2, 15\})$	14747400
15	$\mathcal{O}(1; \{3^7, 5^7, 15\})$	253639800
15	$\mathcal{O}(1; \{3, 5^{12}, 15\})$	6039797400

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^{14}, 15^2\})$	19661400
15	$\mathcal{O}(1; \{3^8, 5^5, 15^2\})$	252088200
15	$\mathcal{O}(1; \{3^2, 5^{10}, 15^2\})$	4529849400
15	$\mathcal{O}(1; \{3^9, 5^3, 15^3\})$	252027000
15	$\mathcal{O}(1; \{3^3, 5^8, 15^3\})$	4152357000
15	$\mathcal{O}(1; \{3^{10}, 5, 15^4\})$	250705800
15	$\mathcal{O}(1; \{3^4, 5^6, 15^4\})$	4058004600
15	$\mathcal{O}(1; \{3^5, 5^4, 15^5\})$	4034334600
15	$\mathcal{O}(1; \{3^6, 5^2, 15^6\})$	4028743800
15	$\mathcal{O}(1; \{5^7, 15^6\})$	66437771400
15	$\mathcal{O}(1; \{3^7, 15^7\})$	4026040200
15	$\mathcal{O}(1; \{3, 5^5, 15^7\})$	64927841400
15	$\mathcal{O}(1; \{3^2, 5^3, 15^8\})$	64550277000
15	$\mathcal{O}(1; \{3^3, 5, 15^9\})$	64456212600
15	$\mathcal{O}(1; \{15^{12}\})$	1031295713400
15	$\mathcal{O}(0; \{3^{15}, 5^4\})$	567944
15	$\mathcal{O}(0; \{3^9, 5^9\})$	8912760
15	$\mathcal{O}(0; \{3^3, 5^{14}\})$	107374184
15	$\mathcal{O}(0; \{3^{16}, 5^2, 15\})$	524280
15	$\mathcal{O}(0; \{3^{10}, 5^7, 15\})$	8939656
15	$\mathcal{O}(0; \{3^4, 5^{12}, 15\})$	134217720
15	$\mathcal{O}(0; \{3^{17}, 15^2\})$	699048
15	$\mathcal{O}(0; \{3^{11}, 5^5, 15^2\})$	8943480
15	$\mathcal{O}(0; \{3^5, 5^{10}, 15^2\})$	140928648
15	$\mathcal{O}(0; \{3^{12}, 5^3, 15^3\})$	8956040
15	$\mathcal{O}(0; \{3^6, 5^8, 15^3\})$	142606200
15	$\mathcal{O}(0; \{5^{13}, 15^3\})$	1717986920
15	$\mathcal{O}(0; \{3^{13}, 5, 15^4\})$	8912760
15	$\mathcal{O}(0; \{3^7, 5^6, 15^4\})$	143026312
15	$\mathcal{O}(0; \{3, 5^{11}, 15^4\})$	2147483640
15	$\mathcal{O}(0; \{3^8, 5^4, 15^5\})$	143128440
15	$\mathcal{O}(0; \{3^2, 5^9, 15^5\})$	2254857864
15	$\mathcal{O}(0; \{3^9, 5^2, 15^6\})$	143165576
15	$\mathcal{O}(0; \{3^3, 5^7, 15^6\})$	2281701240
15	$\mathcal{O}(0; \{3^{10}, 15^7\})$	143128440
15	$\mathcal{O}(0; \{3^4, 5^5, 15^7\})$	2288412808
15	$\mathcal{O}(0; \{3^5, 5^3, 15^8\})$	2290087800
15	$\mathcal{O}(0; \{3^6, 5, 15^9\})$	2290518152
15	$\mathcal{O}(0; \{5^6, 15^9\})$	36507221880
15	$\mathcal{O}(0; \{3, 5^4, 15^{10}\})$	36614596744
15	$\mathcal{O}(0; \{3^2, 5^2, 15^{11}\})$	36641437560
15	$\mathcal{O}(0; \{3^3, 15^{12}\})$	36648159368
16	$\mathcal{O}(5; \{2^2, 4^2\})$	2196875771904

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(5; \{4, 8^2\})$	8787503087616
16	$\mathcal{O}(4; \{2^6, 4^2\})$	8556380160
16	$\mathcal{O}(4; \{2^3, 4^4\})$	34225520640
16	$\mathcal{O}(4; \{4^6\})$	136902082560
16	$\mathcal{O}(4; \{2^4, 4, 8^2\})$	34225520640
16	$\mathcal{O}(4; \{2, 4^3, 8^2\})$	136902082560
16	$\mathcal{O}(4; \{2^2, 8^4\})$	273804165120
16	$\mathcal{O}(4; \{2^2, 4, 8, 16^2\})$	274877906944
16	$\mathcal{O}(4; \{8^3, 16^2\})$	2199023255552
16	$\mathcal{O}(4; \{4, 16^4\})$	4398046511104
16	$\mathcal{O}(3; \{2^{10}, 4^2\})$	33030144
16	$\mathcal{O}(3; \{2^7, 4^4\})$	132120576
16	$\mathcal{O}(3; \{2^4, 4^6\})$	528482304
16	$\mathcal{O}(3; \{2, 4^8\})$	2113929216
16	$\mathcal{O}(3; \{2^8, 4, 8^2\})$	132120576
16	$\mathcal{O}(3; \{2^5, 4^3, 8^2\})$	528482304
16	$\mathcal{O}(3; \{2^2, 4^5, 8^2\})$	2113929216
16	$\mathcal{O}(3; \{2^6, 8^4\})$	1056964608
16	$\mathcal{O}(3; \{2^3, 4^2, 8^4\})$	4227858432
16	$\mathcal{O}(3; \{4^4, 8^4\})$	16911433728
16	$\mathcal{O}(3; \{2, 4, 8^6\})$	33822867456
16	$\mathcal{O}(3; \{2^6, 4, 8, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2^3, 4^3, 8, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{4^5, 8, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{2^4, 8^3, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2, 4^2, 8^3, 16^2\})$	34359738368
16	$\mathcal{O}(3; \{2^4, 4, 16^4\})$	17179869184
16	$\mathcal{O}(3; \{2, 4^3, 16^4\})$	68719476736
16	$\mathcal{O}(3; \{2^2, 8^2, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{8, 16^6\})$	2199023255552
16	$\mathcal{O}(2; \{2^{14}, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^{11}, 4^4\})$	491520
16	$\mathcal{O}(2; \{2^8, 4^6\})$	1966080
16	$\mathcal{O}(2; \{2^5, 4^8\})$	7864320
16	$\mathcal{O}(2; \{2^2, 4^{10}\})$	31457280
16	$\mathcal{O}(2; \{2^{12}, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{2^9, 4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2^6, 4^5, 8^2\})$	7864320
16	$\mathcal{O}(2; \{2^3, 4^7, 8^2\})$	31457280
16	$\mathcal{O}(2; \{4^9, 8^2\})$	125829120
16	$\mathcal{O}(2; \{2^{10}, 8^4\})$	3932160
16	$\mathcal{O}(2; \{2^7, 4^2, 8^4\})$	15728640
16	$\mathcal{O}(2; \{2^4, 4^4, 8^4\})$	62914560

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2, 4^6, 8^4\})$	251658240
16	$\mathcal{O}(2; \{2^5, 4, 8^6\})$	125829120
16	$\mathcal{O}(2; \{2^2, 4^3, 8^6\})$	503316480
16	$\mathcal{O}(2; \{2^3, 8^8\})$	1006632960
16	$\mathcal{O}(2; \{4^2, 8^8\})$	4026531840
16	$\mathcal{O}(2; \{2^{10}, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^7, 4^3, 8, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^4, 4^5, 8, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2, 4^7, 8, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^8, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^5, 4^2, 8^3, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^2, 4^4, 8^3, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^3, 4, 8^5, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{4^3, 8^5, 16^2\})$	4294967296
16	$\mathcal{O}(2; \{2, 8^7, 16^2\})$	8589934592
16	$\mathcal{O}(2; \{2^8, 4, 16^4\})$	67108864
16	$\mathcal{O}(2; \{2^5, 4^3, 16^4\})$	268435456
16	$\mathcal{O}(2; \{2^2, 4^5, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{2^6, 8^2, 16^4\})$	536870912
16	$\mathcal{O}(2; \{2^3, 4^2, 8^2, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{4^4, 8^2, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{2, 4, 8^4, 16^4\})$	17179869184
16	$\mathcal{O}(2; \{2^4, 8, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{2, 4^2, 8, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{2^2, 16^8\})$	137438953472
16	$\mathcal{O}(1; \{2^{18}, 4^2\})$	384
16	$\mathcal{O}(1; \{2^{15}, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^{12}, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^9, 4^8\})$	24576
16	$\mathcal{O}(1; \{2^6, 4^{10}\})$	98304
16	$\mathcal{O}(1; \{2^3, 4^{12}\})$	393216
16	$\mathcal{O}(1; \{4^{14}\})$	1572864
16	$\mathcal{O}(1; \{2^{16}, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^{13}, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^{10}, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^7, 4^7, 8^2\})$	98304
16	$\mathcal{O}(1; \{2^4, 4^9, 8^2\})$	393216
16	$\mathcal{O}(1; \{2, 4^{11}, 8^2\})$	1572864
16	$\mathcal{O}(1; \{2^{14}, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^{11}, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2^8, 4^4, 8^4\})$	196608
16	$\mathcal{O}(1; \{2^5, 4^6, 8^4\})$	786432
16	$\mathcal{O}(1; \{2^2, 4^8, 8^4\})$	3145728

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^9, 4, 8^6\})$	393216
16	$\mathcal{O}(1; \{2^6, 4^3, 8^6\})$	1572864
16	$\mathcal{O}(1; \{2^3, 4^5, 8^6\})$	6291456
16	$\mathcal{O}(1; \{4^7, 8^6\})$	25165824
16	$\mathcal{O}(1; \{2^7, 8^8\})$	3145728
16	$\mathcal{O}(1; \{2^4, 4^2, 8^8\})$	12582912
16	$\mathcal{O}(1; \{2, 4^4, 8^8\})$	50331648
16	$\mathcal{O}(1; \{2^2, 4, 8^{10}\})$	100663296
16	$\mathcal{O}(1; \{8^{12}\})$	805306368
16	$\mathcal{O}(1; \{2^{14}, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^{11}, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^8, 4^5, 8, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^5, 4^7, 8, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^2, 4^9, 8, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{12}, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^9, 4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^6, 4^4, 8^3, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^3, 4^6, 8^3, 16^2\})$	8388608
16	$\mathcal{O}(1; \{4^8, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^7, 4, 8^5, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^4, 4^3, 8^5, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2, 4^5, 8^5, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^5, 8^7, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^2, 4^2, 8^7, 16^2\})$	134217728
16	$\mathcal{O}(1; \{4, 8^9, 16^2\})$	1073741824
16	$\mathcal{O}(1; \{2^{12}, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{2^9, 4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^6, 4^5, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^3, 4^7, 16^4\})$	16777216
16	$\mathcal{O}(1; \{4^9, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^{10}, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^7, 4^2, 8^2, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^4, 4^4, 8^2, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2, 4^6, 8^2, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^5, 4, 8^4, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^2, 4^3, 8^4, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^3, 8^6, 16^4\})$	536870912
16	$\mathcal{O}(1; \{4^2, 8^6, 16^4\})$	2147483648
16	$\mathcal{O}(1; \{2^8, 8, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^5, 4^2, 8, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2^2, 4^4, 8, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^3, 4, 8^3, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{4^3, 8^3, 16^6\})$	4294967296

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2, 8^5, 16^6\})$	8589934592
16	$\mathcal{O}(1; \{2^6, 16^8\})$	536870912
16	$\mathcal{O}(1; \{2^3, 4^2, 16^8\})$	2147483648
16	$\mathcal{O}(1; \{4^4, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{2, 4, 8^2, 16^8\})$	17179869184
16	$\mathcal{O}(0; \{2^{18}, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{15}, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{12}, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^9, 4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^6, 4^9, 8, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^3, 4^{11}, 8, 16^2\})$	65536
16	$\mathcal{O}(0; \{4^{13}, 8, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{16}, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{13}, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^{10}, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^7, 4^6, 8^3, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^4, 4^8, 8^3, 16^2\})$	131072
16	$\mathcal{O}(0; \{2, 4^{10}, 8^3, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^{11}, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^8, 4^3, 8^5, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^5, 4^5, 8^5, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^2, 4^7, 8^5, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^9, 8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^6, 4^2, 8^7, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^3, 4^4, 8^7, 16^2\})$	2097152
16	$\mathcal{O}(0; \{4^6, 8^7, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^4, 4, 8^9, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2, 4^3, 8^9, 16^2\})$	16777216
16	$\mathcal{O}(0; \{2^2, 8^{11}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{2^{16}, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^{13}, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^{10}, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^7, 4^7, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^4, 4^9, 16^4\})$	262144
16	$\mathcal{O}(0; \{2, 4^{11}, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{14}, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^{11}, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^8, 4^4, 8^2, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^5, 4^6, 8^2, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^2, 4^8, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^9, 4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^6, 4^3, 8^4, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^3, 4^5, 8^4, 16^4\})$	4194304

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{4^7, 8^4, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^7, 8^6, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^4, 4^2, 8^6, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2, 4^4, 8^6, 16^4\})$	33554432
16	$\mathcal{O}(0; \{2^2, 4, 8^8, 16^4\})$	67108864
16	$\mathcal{O}(0; \{8^{10}, 16^4\})$	536870912
16	$\mathcal{O}(0; \{2^{12}, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^9, 4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^6, 4^4, 8, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^3, 4^6, 8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{4^8, 8, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^7, 4, 8^3, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^4, 4^3, 8^3, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2, 4^5, 8^3, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^5, 8^5, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^2, 4^2, 8^5, 16^6\})$	134217728
16	$\mathcal{O}(0; \{4, 8^7, 16^6\})$	1073741824
16	$\mathcal{O}(0; \{2^{10}, 16^8\})$	2097152
16	$\mathcal{O}(0; \{2^7, 4^2, 16^8\})$	8388608
16	$\mathcal{O}(0; \{2^4, 4^4, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2, 4^6, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^5, 4, 8^2, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^3, 8^4, 16^8\})$	536870912
16	$\mathcal{O}(0; \{4^2, 8^4, 16^8\})$	2147483648
16	$\mathcal{O}(0; \{2^3, 4, 8, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{4^3, 8, 16^{10}\})$	4294967296
16	$\mathcal{O}(0; \{2, 8^3, 16^{10}\})$	8589934592
16	$\mathcal{O}(0; \{2, 4, 16^{12}\})$	17179869184
17	$\mathcal{O}(5; \{17^2\})$	32255902407184
18	$\mathcal{O}(5; \{3^2\})$	7133840070192
18	$\mathcal{O}(4; \{2^4, 3^2\})$	22036561920
18	$\mathcal{O}(4; \{3^5\})$	109752408000
18	$\mathcal{O}(4; \{2, 3^3, 6\})$	66109685760
18	$\mathcal{O}(4; \{2^2, 3, 6^2\})$	22036561920
18	$\mathcal{O}(4; \{6^4\})$	66109685760
18	$\mathcal{O}(4; \{3, 9^3\})$	395168898780
18	$\mathcal{O}(4; \{2^3, 9, 18\})$	66119763456
18	$\mathcal{O}(4; \{3, 6, 9, 18\})$	264479053824
18	$\mathcal{O}(4; \{2, 18^3\})$	198359290368
18	$\mathcal{O}(3; \{2^8, 3^2\})$	67931136
18	$\mathcal{O}(3; \{2^4, 3^5\})$	339655680
18	$\mathcal{O}(3; \{3^8\})$	2875397616

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{2^5, 3^3, 6\})$	203793408
18	$\mathcal{O}(3; \{2, 3^6, 6\})$	1426553856
18	$\mathcal{O}(3; \{2^6, 3, 6^2\})$	67931136
18	$\mathcal{O}(3; \{2^2, 3^4, 6^2\})$	747242496
18	$\mathcal{O}(3; \{2^3, 3^2, 6^3\})$	339655680
18	$\mathcal{O}(3; \{2^4, 6^4\})$	203793408
18	$\mathcal{O}(3; \{3^3, 6^4\})$	1426553856
18	$\mathcal{O}(3; \{2, 3, 6^5\})$	747242496
18	$\mathcal{O}(3; \{2^4, 3, 9^3\})$	1224440064
18	$\mathcal{O}(3; \{3^4, 9^3\})$	9642465504
18	$\mathcal{O}(3; \{2, 3^2, 6, 9^3\})$	4897760256
18	$\mathcal{O}(3; \{2^2, 6^2, 9^3\})$	2448880128
18	$\mathcal{O}(3; \{9^6\})$	178988265918
18	$\mathcal{O}(3; \{2^7, 9, 18\})$	204073344
18	$\mathcal{O}(3; \{2^3, 3^3, 9, 18\})$	1632586752
18	$\mathcal{O}(3; \{2^4, 3, 6, 9, 18\})$	816293376
18	$\mathcal{O}(3; \{3^4, 6, 9, 18\})$	6530347008
18	$\mathcal{O}(3; \{2, 3^2, 6^2, 9, 18\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 6^3, 9, 18\})$	1632586752
18	$\mathcal{O}(3; \{6, 9^4, 18\})$	55099802880
18	$\mathcal{O}(3; \{2^2, 3, 9^2, 18^2\})$	11019960576
18	$\mathcal{O}(3; \{6^2, 9^2, 18^2\})$	22039921152
18	$\mathcal{O}(3; \{2^5, 18^3\})$	612220032
18	$\mathcal{O}(3; \{2, 3^3, 18^3\})$	4897760256
18	$\mathcal{O}(3; \{2^2, 3, 6, 18^3\})$	2448880128
18	$\mathcal{O}(3; \{6^3, 18^3\})$	4897760256
18	$\mathcal{O}(3; \{3, 9, 18^4\})$	55099802880
18	$\mathcal{O}(2; \{2^{12}, 3^2\})$	207360
18	$\mathcal{O}(2; \{2^8, 3^5\})$	1036800
18	$\mathcal{O}(2; \{2^4, 3^8\})$	8916480
18	$\mathcal{O}(2; \{3^{11}\})$	66290400
18	$\mathcal{O}(2; \{2^9, 3^3, 6\})$	622080
18	$\mathcal{O}(2; \{2^5, 3^6, 6\})$	4354560
18	$\mathcal{O}(2; \{2, 3^9, 6\})$	35458560
18	$\mathcal{O}(2; \{2^{10}, 3, 6^2\})$	207360
18	$\mathcal{O}(2; \{2^6, 3^4, 6^2\})$	2280960
18	$\mathcal{O}(2; \{2^2, 3^7, 6^2\})$	17625600
18	$\mathcal{O}(2; \{2^7, 3^2, 6^3\})$	1036800
18	$\mathcal{O}(2; \{2^3, 3^5, 6^3\})$	8916480
18	$\mathcal{O}(2; \{2^8, 6^4\})$	622080
18	$\mathcal{O}(2; \{2^4, 3^3, 6^4\})$	4354560
18	$\mathcal{O}(2; \{3^6, 6^4\})$	35458560
18	$\mathcal{O}(2; \{2^5, 3, 6^5\})$	2280960

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2, 3^4, 6^5\})$	17625600
18	$\mathcal{O}(2; \{2^2, 3^2, 6^6\})$	8916480
18	$\mathcal{O}(2; \{2^3, 6^7\})$	4354560
18	$\mathcal{O}(2; \{3, 6^8\})$	17625600
18	$\mathcal{O}(2; \{2^8, 3, 9^3\})$	3779136
18	$\mathcal{O}(2; \{2^4, 3^4, 9^3\})$	30233088
18	$\mathcal{O}(2; \{3^7, 9^3\})$	226748160
18	$\mathcal{O}(2; \{2^5, 3^2, 6, 9^3\})$	15116544
18	$\mathcal{O}(2; \{2, 3^5, 6, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2^6, 6^2, 9^3\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^3, 6^2, 9^3\})$	60466176
18	$\mathcal{O}(2; \{2^3, 3, 6^3, 9^3\})$	30233088
18	$\mathcal{O}(2; \{3^2, 6^4, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2, 6^5, 9^3\})$	60466176
18	$\mathcal{O}(2; \{2^4, 9^6\})$	561201696
18	$\mathcal{O}(2; \{3^3, 9^6\})$	4209012720
18	$\mathcal{O}(2; \{2, 3, 6, 9^6\})$	2244806784
18	$\mathcal{O}(2; \{2^{11}, 9, 18\})$	629856
18	$\mathcal{O}(2; \{2^7, 3^3, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^6, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^8, 3, 6, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2^4, 3^4, 6, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{3^7, 6, 9, 18\})$	161243136
18	$\mathcal{O}(2; \{2^5, 3^2, 6^2, 9, 18\})$	10077696
18	$\mathcal{O}(2; \{2, 3^5, 6^2, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2^6, 6^3, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3^3, 6^3, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^3, 3, 6^4, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{3^2, 6^5, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2, 6^6, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^3, 3^2, 9^4, 18\})$	340122240
18	$\mathcal{O}(2; \{2^4, 6, 9^4, 18\})$	170061120
18	$\mathcal{O}(2; \{3^3, 6, 9^4, 18\})$	1360488960
18	$\mathcal{O}(2; \{2, 3, 6^2, 9^4, 18\})$	680244480
18	$\mathcal{O}(2; \{2^6, 3, 9^2, 18^2\})$	34012224
18	$\mathcal{O}(2; \{2^2, 3^4, 9^2, 18^2\})$	272097792
18	$\mathcal{O}(2; \{2^3, 3^2, 6, 9^2, 18^2\})$	136048896
18	$\mathcal{O}(2; \{2^4, 6^2, 9^2, 18^2\})$	68024448
18	$\mathcal{O}(2; \{3^3, 6^2, 9^2, 18^2\})$	544195584
18	$\mathcal{O}(2; \{2, 3, 6^3, 9^2, 18^2\})$	272097792
18	$\mathcal{O}(2; \{2^2, 9^5, 18^2\})$	3214155168
18	$\mathcal{O}(2; \{2^9, 18^3\})$	1889568
18	$\mathcal{O}(2; \{2^5, 3^3, 18^3\})$	15116544

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2, 3^6, 18^3\})$	120932352
18	$\mathcal{O}(2; \{2^6, 3, 6, 18^3\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^4, 6, 18^3\})$	60466176
18	$\mathcal{O}(2; \{2^3, 3^2, 6^2, 18^3\})$	30233088
18	$\mathcal{O}(2; \{2^4, 6^3, 18^3\})$	15116544
18	$\mathcal{O}(2; \{3^3, 6^3, 18^3\})$	120932352
18	$\mathcal{O}(2; \{2, 3, 6^4, 18^3\})$	60466176
18	$\mathcal{O}(2; \{2, 3^2, 9^3, 18^3\})$	2244806784
18	$\mathcal{O}(2; \{2^2, 6, 9^3, 18^3\})$	1122403392
18	$\mathcal{O}(2; \{2^4, 3, 9, 18^4\})$	170061120
18	$\mathcal{O}(2; \{3^4, 9, 18^4\})$	1360488960
18	$\mathcal{O}(2; \{2, 3^2, 6, 9, 18^4\})$	680244480
18	$\mathcal{O}(2; \{2^2, 6^2, 9, 18^4\})$	340122240
18	$\mathcal{O}(2; \{9^4, 18^4\})$	19744096032
18	$\mathcal{O}(2; \{6, 9^2, 18^5\})$	6428310336
18	$\mathcal{O}(2; \{2^2, 3, 18^6\})$	1122403392
18	$\mathcal{O}(2; \{6^2, 18^6\})$	2244806784
18	$\mathcal{O}(1; \{2^{16}, 3^2\})$	576
18	$\mathcal{O}(1; \{2^{12}, 3^5\})$	2880
18	$\mathcal{O}(1; \{2^8, 3^8\})$	24768
18	$\mathcal{O}(1; \{2^4, 3^{11}\})$	196416
18	$\mathcal{O}(1; \{3^{14}\})$	1179792
18	$\mathcal{O}(1; \{2^{13}, 3^3, 6\})$	1728
18	$\mathcal{O}(1; \{2^9, 3^6, 6\})$	12096
18	$\mathcal{O}(1; \{2^5, 3^9, 6\})$	98496
18	$\mathcal{O}(1; \{2, 3^{12}, 6\})$	786240
18	$\mathcal{O}(1; \{2^{14}, 3, 6^2\})$	576
18	$\mathcal{O}(1; \{2^{10}, 3^4, 6^2\})$	6336
18	$\mathcal{O}(1; \{2^6, 3^7, 6^2\})$	48960
18	$\mathcal{O}(1; \{2^2, 3^{10}, 6^2\})$	393408
18	$\mathcal{O}(1; \{2^{11}, 3^2, 6^3\})$	2880
18	$\mathcal{O}(1; \{2^7, 3^5, 6^3\})$	24768
18	$\mathcal{O}(1; \{2^3, 3^8, 6^3\})$	196416
18	$\mathcal{O}(1; \{2^{12}, 6^4\})$	1728
18	$\mathcal{O}(1; \{2^8, 3^3, 6^4\})$	12096
18	$\mathcal{O}(1; \{2^4, 3^6, 6^4\})$	98496
18	$\mathcal{O}(1; \{3^9, 6^4\})$	786240
18	$\mathcal{O}(1; \{2^9, 3, 6^5\})$	6336
18	$\mathcal{O}(1; \{2^5, 3^4, 6^5\})$	48960
18	$\mathcal{O}(1; \{2, 3^7, 6^5\})$	393408
18	$\mathcal{O}(1; \{2^6, 3^2, 6^6\})$	24768
18	$\mathcal{O}(1; \{2^2, 3^5, 6^6\})$	196416
18	$\mathcal{O}(1; \{2^7, 6^7\})$	12096

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^3, 6^7\})$	98496
18	$\mathcal{O}(1; \{2^4, 3, 6^8\})$	48960
18	$\mathcal{O}(1; \{3^4, 6^8\})$	393408
18	$\mathcal{O}(1; \{2, 3^2, 6^9\})$	196416
18	$\mathcal{O}(1; \{2^2, 6^{10}\})$	98496
18	$\mathcal{O}(1; \{2^{12}, 3, 9^3\})$	11664
18	$\mathcal{O}(1; \{2^8, 3^4, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^7, 9^3\})$	746496
18	$\mathcal{O}(1; \{3^{10}, 9^3\})$	4478976
18	$\mathcal{O}(1; \{2^9, 3^2, 6, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^5, 6, 9^3\})$	373248
18	$\mathcal{O}(1; \{2, 3^8, 6, 9^3\})$	2985984
18	$\mathcal{O}(1; \{2^{10}, 6^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^3, 6^2, 9^3\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^6, 6^2, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^7, 3, 6^3, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^4, 6^3, 9^3\})$	746496
18	$\mathcal{O}(1; \{2^4, 3^2, 6^4, 9^3\})$	373248
18	$\mathcal{O}(1; \{3^5, 6^4, 9^3\})$	2985984
18	$\mathcal{O}(1; \{2^5, 6^5, 9^3\})$	186624
18	$\mathcal{O}(1; \{2, 3^3, 6^5, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^2, 3, 6^6, 9^3\})$	746496
18	$\mathcal{O}(1; \{6^8, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^8, 9^6\})$	1732104
18	$\mathcal{O}(1; \{2^4, 3^3, 9^6\})$	13856832
18	$\mathcal{O}(1; \{3^6, 9^6\})$	83140992
18	$\mathcal{O}(1; \{2^5, 3, 6, 9^6\})$	6928416
18	$\mathcal{O}(1; \{2, 3^4, 6, 9^6\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 9^6\})$	27713664
18	$\mathcal{O}(1; \{2^3, 6^3, 9^6\})$	13856832
18	$\mathcal{O}(1; \{3, 6^4, 9^6\})$	55427328
18	$\mathcal{O}(1; \{3^2, 9^9\})$	1084139640
18	$\mathcal{O}(1; \{2, 6, 9^9\})$	722759760
18	$\mathcal{O}(1; \{2^{15}, 9, 18\})$	1944
18	$\mathcal{O}(1; \{2^{11}, 3^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^6, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^9, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^{12}, 3, 6, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2^8, 3^4, 6, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^7, 6, 9, 18\})$	497664
18	$\mathcal{O}(1; \{3^{10}, 6, 9, 18\})$	3981312
18	$\mathcal{O}(1; \{2^9, 3^2, 6^2, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^5, 6^2, 9, 18\})$	248832

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2, 3^8, 6^2, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^{10}, 6^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^6, 3^3, 6^3, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^6, 6^3, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^7, 3, 6^4, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^4, 6^4, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2^4, 3^2, 6^5, 9, 18\})$	248832
18	$\mathcal{O}(1; \{3^5, 6^5, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^5, 6^6, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2, 3^3, 6^6, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^2, 3, 6^7, 9, 18\})$	497664
18	$\mathcal{O}(1; \{6^9, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^7, 3^2, 9^4, 18\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^5, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2^8, 6, 9^4, 18\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^3, 6, 9^4, 18\})$	4199040
18	$\mathcal{O}(1; \{3^6, 6, 9^4, 18\})$	33592320
18	$\mathcal{O}(1; \{2^5, 3, 6^2, 9^4, 18\})$	2099520
18	$\mathcal{O}(1; \{2, 3^4, 6^2, 9^4, 18\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2^3, 6^4, 9^4, 18\})$	4199040
18	$\mathcal{O}(1; \{3, 6^5, 9^4, 18\})$	16796160
18	$\mathcal{O}(1; \{2^3, 3, 9^7, 18\})$	121877136
18	$\mathcal{O}(1; \{3^2, 6, 9^7, 18\})$	487508544
18	$\mathcal{O}(1; \{2, 6^2, 9^7, 18\})$	243754272
18	$\mathcal{O}(1; \{2^{10}, 3, 9^2, 18^2\})$	104976
18	$\mathcal{O}(1; \{2^6, 3^4, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^7, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^7, 3^2, 6, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^5, 6, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^8, 6^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{3^6, 6^2, 9^2, 18^2\})$	13436928
18	$\mathcal{O}(1; \{2^5, 3, 6^3, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{2, 3^4, 6^3, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^3, 6^5, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{3, 6^6, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^6, 9^5, 18^2\})$	9920232
18	$\mathcal{O}(1; \{2^2, 3^3, 9^5, 18^2\})$	79361856
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^5, 18^2\})$	39680928
18	$\mathcal{O}(1; \{3^2, 6^2, 9^5, 18^2\})$	158723712
18	$\mathcal{O}(1; \{2, 6^3, 9^5, 18^2\})$	79361856

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^{13}, 18^3\})$	5832
18	$\mathcal{O}(1; \{2^9, 3^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^6, 18^3\})$	373248
18	$\mathcal{O}(1; \{2, 3^9, 18^3\})$	2985984
18	$\mathcal{O}(1; \{2^{10}, 3, 6, 18^3\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^4, 6, 18^3\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^7, 6, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^7, 3^2, 6^2, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^5, 6^2, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^8, 6^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^3, 6^3, 18^3\})$	373248
18	$\mathcal{O}(1; \{3^6, 6^3, 18^3\})$	2985984
18	$\mathcal{O}(1; \{2^5, 3, 6^4, 18^3\})$	186624
18	$\mathcal{O}(1; \{2, 3^4, 6^4, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^2, 3^2, 6^5, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^3, 6^6, 18^3\})$	373248
18	$\mathcal{O}(1; \{3, 6^7, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^5, 3^2, 9^3, 18^3\})$	6928416
18	$\mathcal{O}(1; \{2, 3^5, 9^3, 18^3\})$	55427328
18	$\mathcal{O}(1; \{2^6, 6, 9^3, 18^3\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^3, 6, 9^3, 18^3\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3, 6^2, 9^3, 18^3\})$	13856832
18	$\mathcal{O}(1; \{3^2, 6^3, 9^3, 18^3\})$	55427328
18	$\mathcal{O}(1; \{2, 6^4, 9^3, 18^3\})$	27713664
18	$\mathcal{O}(1; \{2, 3, 9^6, 18^3\})$	722759760
18	$\mathcal{O}(1; \{2^8, 3, 9, 18^4\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^4, 9, 18^4\})$	4199040
18	$\mathcal{O}(1; \{3^7, 9, 18^4\})$	33592320
18	$\mathcal{O}(1; \{2^5, 3^2, 6, 9, 18^4\})$	2099520
18	$\mathcal{O}(1; \{2, 3^5, 6, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2^6, 6^2, 9, 18^4\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{2^3, 3, 6^3, 9, 18^4\})$	4199040
18	$\mathcal{O}(1; \{3^2, 6^4, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2, 6^5, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{2^4, 9^4, 18^4\})$	60938568
18	$\mathcal{O}(1; \{3^3, 9^4, 18^4\})$	487508544
18	$\mathcal{O}(1; \{2, 3, 6, 9^4, 18^4\})$	243754272
18	$\mathcal{O}(1; \{2^3, 3^2, 9^2, 18^5\})$	39680928
18	$\mathcal{O}(1; \{2^4, 6, 9^2, 18^5\})$	19840464
18	$\mathcal{O}(1; \{3^3, 6, 9^2, 18^5\})$	158723712
18	$\mathcal{O}(1; \{2, 3, 6^2, 9^2, 18^5\})$	79361856
18	$\mathcal{O}(1; \{2^6, 3, 18^6\})$	3464208

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^4, 18^6\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 18^6\})$	13856832
18	$\mathcal{O}(1; \{2^4, 6^2, 18^6\})$	6928416
18	$\mathcal{O}(1; \{3^3, 6^2, 18^6\})$	55427328
18	$\mathcal{O}(1; \{2, 3, 6^3, 18^6\})$	27713664
18	$\mathcal{O}(1; \{2^2, 9^3, 18^6\})$	361379880
18	$\mathcal{O}(1; \{2, 3^2, 9, 18^7\})$	243754272
18	$\mathcal{O}(1; \{2^2, 6, 9, 18^7\})$	121877136
18	$\mathcal{O}(1; \{9^2, 18^8\})$	2181033864
18	$\mathcal{O}(1; \{6, 18^9\})$	722759760
18	$\mathcal{O}(0; \{2^{16}, 3, 9^3\})$	36
18	$\mathcal{O}(0; \{2^{12}, 3^4, 9^3\})$	288
18	$\mathcal{O}(0; \{2^8, 3^7, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^{10}, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^{13}, 3^2, 6, 9^3\})$	144
18	$\mathcal{O}(0; \{2^9, 3^5, 6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^8, 6, 9^3\})$	9216
18	$\mathcal{O}(0; \{2, 3^{11}, 6, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^{14}, 6^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^{10}, 3^3, 6^2, 9^3\})$	576
18	$\mathcal{O}(0; \{2^6, 3^6, 6^2, 9^3\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^9, 6^2, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 3, 6^3, 9^3\})$	288
18	$\mathcal{O}(0; \{2^7, 3^4, 6^3, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^7, 6^3, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^8, 3^2, 6^4, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^5, 6^4, 9^3\})$	9216
18	$\mathcal{O}(0; \{3^8, 6^4, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^9, 6^5, 9^3\})$	576
18	$\mathcal{O}(0; \{2^5, 3^3, 6^5, 9^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^6, 6^5, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^6, 3, 6^6, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^4, 6^6, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^3, 3^2, 6^7, 9^3\})$	9216
18	$\mathcal{O}(0; \{2^4, 6^8, 9^3\})$	4608
18	$\mathcal{O}(0; \{3^3, 6^8, 9^3\})$	36864
18	$\mathcal{O}(0; \{2, 3, 6^9, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 9^6\})$	5346
18	$\mathcal{O}(0; \{2^8, 3^3, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^6, 9^6\})$	342144
18	$\mathcal{O}(0; \{2^9, 3, 6, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 9^6\})$	171072
18	$\mathcal{O}(0; \{2, 3^7, 6, 9^6\})$	1368576

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 9^6\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^7, 6^3, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 9^6\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 9^6\})$	171072
18	$\mathcal{O}(0; \{3^4, 6^4, 9^6\})$	1368576
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^2, 6^6, 9^6\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 9^9\})$	4461480
18	$\mathcal{O}(0; \{2^5, 6, 9^9\})$	2230740
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^9\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^9\})$	8922960
18	$\mathcal{O}(0; \{6^4, 9^9\})$	17845920
18	$\mathcal{O}(0; \{2^{19}, 9, 18\})$	6
18	$\mathcal{O}(0; \{2^{15}, 3^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^7, 3^9, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^{12}, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{16}, 3, 6, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^{12}, 3^4, 6, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^8, 3^7, 6, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^{10}, 6, 9, 18\})$	12288
18	$\mathcal{O}(0; \{3^{13}, 6, 9, 18\})$	98304
18	$\mathcal{O}(0; \{2^{13}, 3^2, 6^2, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^9, 3^5, 6^2, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^5, 3^8, 6^2, 9, 18\})$	6144
18	$\mathcal{O}(0; \{2, 3^{11}, 6^2, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^{14}, 6^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^{10}, 3^3, 6^3, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^6, 3^6, 6^3, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^9, 6^3, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{11}, 3, 6^4, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^7, 3^4, 6^4, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^7, 6^4, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^8, 3^2, 6^5, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^4, 3^5, 6^5, 9, 18\})$	6144
18	$\mathcal{O}(0; \{3^8, 6^5, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^9, 6^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^5, 3^3, 6^6, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2, 3^6, 6^6, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^6, 3, 6^7, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^4, 6^7, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^3, 3^2, 6^8, 9, 18\})$	6144

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^4, 6^9, 9, 18\})$	3072
18	$\mathcal{O}(0; \{3^3, 6^9, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2, 3, 6^{10}, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^{11}, 3^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^5, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^8, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^{12}, 6, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^3, 6, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^6, 6, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{3^9, 6, 9^4, 18\})$	829440
18	$\mathcal{O}(0; \{2^9, 3, 6^2, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{2, 3^7, 6^2, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^7, 6^4, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{2^4, 3, 6^5, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{3^4, 6^5, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2, 3^2, 6^6, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^2, 6^7, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{2^7, 3, 9^7, 18\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^4, 9^7, 18\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9^7, 18\})$	1504656
18	$\mathcal{O}(0; \{3^5, 6, 9^7, 18\})$	12037248
18	$\mathcal{O}(0; \{2^5, 6^2, 9^7, 18\})$	752328
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9^7, 18\})$	3009312
18	$\mathcal{O}(0; \{6^5, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2^3, 9^{10}, 18\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 9^{10}, 18\})$	161085672
18	$\mathcal{O}(0; \{2^{14}, 3, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^{10}, 3^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^7, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^{10}, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^5, 6, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^8, 6, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^{12}, 6^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{3^9, 6^2, 9^2, 18^2\})$	331776
18	$\mathcal{O}(0; \{2^9, 3, 6^3, 9^2, 18^2\})$	2592

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2, 3^7, 6^3, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^7, 6^5, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{2^4, 3, 6^6, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{3^4, 6^6, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2, 3^2, 6^7, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^2, 6^8, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{2^{10}, 9^5, 18^2\})$	30618
18	$\mathcal{O}(0; \{2^6, 3^3, 9^5, 18^2\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^6, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^5, 18^2\})$	489888
18	$\mathcal{O}(0; \{3^5, 6^2, 9^5, 18^2\})$	3919104
18	$\mathcal{O}(0; \{2^5, 6^3, 9^5, 18^2\})$	244944
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{6^6, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 9^8, 18^2\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 9^8, 18^2\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 9^8, 18^2\})$	53852688
18	$\mathcal{O}(0; \{2^{17}, 18^3\})$	18
18	$\mathcal{O}(0; \{2^{13}, 3^3, 18^3\})$	144
18	$\mathcal{O}(0; \{2^9, 3^6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^9, 18^3\})$	9216
18	$\mathcal{O}(0; \{2, 3^{12}, 18^3\})$	73728
18	$\mathcal{O}(0; \{2^{14}, 3, 6, 18^3\})$	72
18	$\mathcal{O}(0; \{2^{10}, 3^4, 6, 18^3\})$	576
18	$\mathcal{O}(0; \{2^6, 3^7, 6, 18^3\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^{10}, 6, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6^2, 18^3\})$	288
18	$\mathcal{O}(0; \{2^7, 3^5, 6^2, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^8, 6^2, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 6^3, 18^3\})$	144
18	$\mathcal{O}(0; \{2^8, 3^3, 6^3, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^6, 6^3, 18^3\})$	9216
18	$\mathcal{O}(0; \{3^9, 6^3, 18^3\})$	73728
18	$\mathcal{O}(0; \{2^9, 3, 6^4, 18^3\})$	576
18	$\mathcal{O}(0; \{2^5, 3^4, 6^4, 18^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^7, 6^4, 18^3\})$	36864

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^2, 6^5, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^5, 6^5, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^7, 6^6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^3, 6^6, 18^3\})$	9216
18	$\mathcal{O}(0; \{2^4, 3, 6^7, 18^3\})$	4608
18	$\mathcal{O}(0; \{3^4, 6^7, 18^3\})$	36864
18	$\mathcal{O}(0; \{2, 3^2, 6^8, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^2, 6^9, 18^3\})$	9216
18	$\mathcal{O}(0; \{2^9, 3^2, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^5, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{2, 3^8, 9^3, 18^3\})$	1368576
18	$\mathcal{O}(0; \{2^{10}, 6, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^3, 6, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^6, 6, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^7, 3, 6^2, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{3^5, 6^3, 9^3, 18^3\})$	1368576
18	$\mathcal{O}(0; \{2^5, 6^4, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2, 3^3, 6^4, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^2, 3, 6^5, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{6^7, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^5, 3, 9^6, 18^3\})$	2230740
18	$\mathcal{O}(0; \{2, 3^4, 9^6, 18^3\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^6, 18^3\})$	8922960
18	$\mathcal{O}(0; \{2^3, 6^2, 9^6, 18^3\})$	4461480
18	$\mathcal{O}(0; \{3, 6^3, 9^6, 18^3\})$	17845920
18	$\mathcal{O}(0; \{2, 9^9, 18^3\})$	241982802
18	$\mathcal{O}(0; \{2^{12}, 3, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^4, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^7, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{3^{10}, 9, 18^4\})$	829440
18	$\mathcal{O}(0; \{2^9, 3^2, 6, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^5, 6, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{2, 3^8, 6, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2^{10}, 6^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^7, 3, 6^3, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{3^5, 6^4, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2^5, 6^5, 9, 18^4\})$	25920

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^3, 6^5, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^2, 3, 6^6, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{6^8, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^8, 9^4, 18^4\})$	188082
18	$\mathcal{O}(0; \{2^4, 3^3, 9^4, 18^4\})$	1504656
18	$\mathcal{O}(0; \{3^6, 9^4, 18^4\})$	12037248
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^4, 18^4\})$	752328
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^4, 18^4\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^4, 18^4\})$	3009312
18	$\mathcal{O}(0; \{2^3, 6^3, 9^4, 18^4\})$	1504656
18	$\mathcal{O}(0; \{3, 6^4, 9^4, 18^4\})$	6018624
18	$\mathcal{O}(0; \{3^2, 9^7, 18^4\})$	161085672
18	$\mathcal{O}(0; \{2, 6, 9^7, 18^4\})$	80542836
18	$\mathcal{O}(0; \{2^7, 3^2, 9^2, 18^5\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^5, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2^8, 6, 9^2, 18^5\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9^2, 18^5\})$	489888
18	$\mathcal{O}(0; \{3^6, 6, 9^2, 18^5\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9^2, 18^5\})$	244944
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2^3, 6^4, 9^2, 18^5\})$	489888
18	$\mathcal{O}(0; \{3, 6^5, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 9^5, 18^5\})$	13463172
18	$\mathcal{O}(0; \{3^2, 6, 9^5, 18^5\})$	53852688
18	$\mathcal{O}(0; \{2, 6^2, 9^5, 18^5\})$	26926344
18	$\mathcal{O}(0; \{2^{10}, 3, 18^6\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^4, 18^6\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^7, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 18^6\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^8, 6^2, 18^6\})$	21384
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 18^6\})$	171072
18	$\mathcal{O}(0; \{3^6, 6^2, 18^6\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 18^6\})$	85536
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^3, 6^5, 18^6\})$	171072
18	$\mathcal{O}(0; \{3, 6^6, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^6, 9^3, 18^6\})$	1115370
18	$\mathcal{O}(0; \{2^2, 3^3, 9^3, 18^6\})$	8922960
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^3, 18^6\})$	4461480
18	$\mathcal{O}(0; \{3^2, 6^2, 9^3, 18^6\})$	17845920

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 6^3, 9^3, 18^6\})$	8922960
18	$\mathcal{O}(0; \{2^5, 3^2, 9, 18^7\})$	752328
18	$\mathcal{O}(0; \{2, 3^5, 9, 18^7\})$	6018624
18	$\mathcal{O}(0; \{2^6, 6, 9, 18^7\})$	376164
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9, 18^7\})$	3009312
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9, 18^7\})$	1504656
18	$\mathcal{O}(0; \{3^2, 6^3, 9, 18^7\})$	6018624
18	$\mathcal{O}(0; \{2, 6^4, 9, 18^7\})$	3009312
18	$\mathcal{O}(0; \{2, 3, 9^4, 18^7\})$	80542836
18	$\mathcal{O}(0; \{2^4, 9^2, 18^8\})$	6731586
18	$\mathcal{O}(0; \{3^3, 9^2, 18^8\})$	53852688
18	$\mathcal{O}(0; \{2, 3, 6, 9^2, 18^8\})$	26926344
18	$\mathcal{O}(0; \{2^3, 3^2, 18^9\})$	4461480
18	$\mathcal{O}(0; \{2^4, 6, 18^9\})$	2230740
18	$\mathcal{O}(0; \{3^3, 6, 18^9\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 6^2, 18^9\})$	8922960
18	$\mathcal{O}(0; \{2^2, 9, 18^{10}\})$	40271418
18	$\mathcal{O}(0; \{18^{12}\})$	241982802
19	$\mathcal{O}(4; \{19^3\})$	5196970290546
20	$\mathcal{O}(4; \{5^3\})$	306000000000
20	$\mathcal{O}(4; \{2, 20^2\})$	204800000000
20	$\mathcal{O}(3; \{2^4, 5^3\})$	756000000
20	$\mathcal{O}(3; \{2, 4^2, 5^3\})$	1536000000
20	$\mathcal{O}(3; \{2^2, 5^2, 10^2\})$	3276000000
20	$\mathcal{O}(3; \{5, 10^4\})$	12852000000
20	$\mathcal{O}(3; \{2^2, 4, 5, 10, 20\})$	1536000000
20	$\mathcal{O}(3; \{4, 10^3, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^5, 20^2\})$	512000000
20	$\mathcal{O}(3; \{2^2, 4^2, 20^2\})$	2048000000
20	$\mathcal{O}(3; \{5^2, 10, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{4, 5, 20^3\})$	26624000000
20	$\mathcal{O}(2; \{2^8, 5^3\})$	1800000
20	$\mathcal{O}(2; \{2^5, 4^2, 5^3\})$	3840000
20	$\mathcal{O}(2; \{2^2, 4^4, 5^3\})$	15360000
20	$\mathcal{O}(2; \{5^8\})$	1966200000
20	$\mathcal{O}(2; \{2^3, 5^5, 10\})$	123000000
20	$\mathcal{O}(2; \{4^2, 5^5, 10\})$	262400000
20	$\mathcal{O}(2; \{2^6, 5^2, 10^2\})$	7800000
20	$\mathcal{O}(2; \{2^3, 4^2, 5^2, 10^2\})$	16640000
20	$\mathcal{O}(2; \{4^4, 5^2, 10^2\})$	66560000
20	$\mathcal{O}(2; \{2, 5^4, 10^3\})$	491400000
20	$\mathcal{O}(2; \{2^4, 5, 10^4\})$	30600000
20	$\mathcal{O}(2; \{2, 4^2, 5, 10^4\})$	65280000

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^2, 10^6\})$	123000000
20	$\mathcal{O}(2; \{2^3, 4, 5^4, 20\})$	65280000
20	$\mathcal{O}(2; \{4^3, 5^4, 20\})$	261120000
20	$\mathcal{O}(2; \{2^6, 4, 5, 10, 20\})$	3840000
20	$\mathcal{O}(2; \{2^3, 4^3, 5, 10, 20\})$	15360000
20	$\mathcal{O}(2; \{4^5, 5, 10, 20\})$	61440000
20	$\mathcal{O}(2; \{2, 4, 5^3, 10^2, 20\})$	262400000
20	$\mathcal{O}(2; \{2^4, 4, 10^3, 20\})$	16640000
20	$\mathcal{O}(2; \{2, 4^3, 10^3, 20\})$	66560000
20	$\mathcal{O}(2; \{2^9, 20^2\})$	1280000
20	$\mathcal{O}(2; \{2^6, 4^2, 20^2\})$	5120000
20	$\mathcal{O}(2; \{2^3, 4^4, 20^2\})$	20480000
20	$\mathcal{O}(2; \{4^6, 20^2\})$	81920000
20	$\mathcal{O}(2; \{2, 5^5, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^4, 5^2, 10, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2, 4^2, 5^2, 10, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^2, 5, 10^3, 20^2\})$	262400000
20	$\mathcal{O}(2; \{10^5, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^4, 4, 5, 20^3\})$	66560000
20	$\mathcal{O}(2; \{2, 4^3, 5, 20^3\})$	266240000
20	$\mathcal{O}(2; \{2^2, 4, 10^2, 20^3\})$	261120000
20	$\mathcal{O}(2; \{2^2, 5^2, 20^4\})$	1049600000
20	$\mathcal{O}(2; \{5, 10^2, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{4, 10, 20^5\})$	4198400000
20	$\mathcal{O}(1; \{2^{12}, 5^3\})$	3600
20	$\mathcal{O}(1; \{2^9, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{2^6, 4^4, 5^3\})$	38400
20	$\mathcal{O}(1; \{2^3, 4^6, 5^3\})$	153600
20	$\mathcal{O}(1; \{4^8, 5^3\})$	614400
20	$\mathcal{O}(1; \{2^4, 5^8\})$	3932400
20	$\mathcal{O}(1; \{2, 4^2, 5^8\})$	10486400
20	$\mathcal{O}(1; \{2^7, 5^5, 10\})$	246000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^5, 10\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5^5, 10\})$	2624000
20	$\mathcal{O}(1; \{2^{10}, 5^2, 10^2\})$	15600
20	$\mathcal{O}(1; \{2^7, 4^2, 5^2, 10^2\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^4, 5^2, 10^2\})$	166400
20	$\mathcal{O}(1; \{2, 4^6, 5^2, 10^2\})$	665600
20	$\mathcal{O}(1; \{2^2, 5^7, 10^2\})$	15728400
20	$\mathcal{O}(1; \{2^5, 5^4, 10^3\})$	982800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^4, 10^3\})$	2620800
20	$\mathcal{O}(1; \{2^8, 5, 10^4\})$	61200
20	$\mathcal{O}(1; \{2^5, 4^2, 5, 10^4\})$	163200

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^2, 4^4, 5, 10^4\})$	652800
20	$\mathcal{O}(1; \{5^6, 10^4\})$	62914800
20	$\mathcal{O}(1; \{2^3, 5^3, 10^5\})$	3932400
20	$\mathcal{O}(1; \{4^2, 5^3, 10^5\})$	10486400
20	$\mathcal{O}(1; \{2^6, 10^6\})$	246000
20	$\mathcal{O}(1; \{2^3, 4^2, 10^6\})$	656000
20	$\mathcal{O}(1; \{4^4, 10^6\})$	2624000
20	$\mathcal{O}(1; \{2, 5^2, 10^7\})$	15728400
20	$\mathcal{O}(1; \{2^7, 4, 5^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^3, 5^4, 20\})$	652800
20	$\mathcal{O}(1; \{2, 4^5, 5^4, 20\})$	2611200
20	$\mathcal{O}(1; \{2^{10}, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{2^7, 4^3, 5, 10, 20\})$	38400
20	$\mathcal{O}(1; \{2^4, 4^5, 5, 10, 20\})$	153600
20	$\mathcal{O}(1; \{2, 4^7, 5, 10, 20\})$	614400
20	$\mathcal{O}(1; \{2^2, 4, 5^6, 10, 20\})$	10486400
20	$\mathcal{O}(1; \{2^5, 4, 5^3, 10^2, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^3, 10^2, 20\})$	2624000
20	$\mathcal{O}(1; \{2^8, 4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^3, 10^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^5, 10^3, 20\})$	665600
20	$\mathcal{O}(1; \{4, 5^5, 10^3, 20\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4, 5^2, 10^4, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5^2, 10^4, 20\})$	10483200
20	$\mathcal{O}(1; \{2, 4, 5, 10^6, 20\})$	10486400
20	$\mathcal{O}(1; \{2^{13}, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^{10}, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{2^7, 4^4, 20^2\})$	51200
20	$\mathcal{O}(1; \{2^4, 4^6, 20^2\})$	204800
20	$\mathcal{O}(1; \{2, 4^8, 20^2\})$	819200
20	$\mathcal{O}(1; \{2^5, 5^5, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^5, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^8, 5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^5, 4^2, 5^2, 10, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^2, 4^4, 5^2, 10, 20^2\})$	2611200
20	$\mathcal{O}(1; \{5^7, 10, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^3, 5^4, 10^2, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5^4, 10^2, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^6, 5, 10^3, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 10^3, 20^2\})$	2624000
20	$\mathcal{O}(1; \{4^4, 5, 10^3, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2, 5^3, 10^4, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^4, 10^5, 20^2\})$	2620800

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 4^2, 10^5, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^8, 4, 5, 20^3\})$	166400
20	$\mathcal{O}(1; \{2^5, 4^3, 5, 20^3\})$	665600
20	$\mathcal{O}(1; \{2^2, 4^5, 5, 20^3\})$	2662400
20	$\mathcal{O}(1; \{4, 5^6, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^3, 4, 5^3, 10, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4^3, 5^3, 10, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2^6, 4, 10^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^3, 4^3, 10^2, 20^3\})$	2611200
20	$\mathcal{O}(1; \{4^5, 10^2, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2, 4, 5^2, 10^3, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^6, 5^2, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^3, 4^2, 5^2, 20^4\})$	10496000
20	$\mathcal{O}(1; \{4^4, 5^2, 20^4\})$	41984000
20	$\mathcal{O}(1; \{2, 5^4, 10, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^4, 5, 10^2, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2, 4^2, 5, 10^2, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^2, 10^4, 20^4\})$	41945600
20	$\mathcal{O}(1; \{2, 4, 5^3, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^4, 4, 10, 20^5\})$	10496000
20	$\mathcal{O}(1; \{2, 4^3, 10, 20^5\})$	41984000
20	$\mathcal{O}(1; \{2^2, 5, 10, 20^6\})$	167782400
20	$\mathcal{O}(1; \{10^3, 20^6\})$	671078400
20	$\mathcal{O}(1; \{2^2, 4, 20^7\})$	167731200
20	$\mathcal{O}(1; \{5, 20^8\})$	2684313600
20	$\mathcal{O}(0; \{2^{13}, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^{10}, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{2^7, 4^6, 5^3\})$	384
20	$\mathcal{O}(0; \{2^4, 4^8, 5^3\})$	1536
20	$\mathcal{O}(0; \{2, 4^{10}, 5^3\})$	6144
20	$\mathcal{O}(0; \{2^5, 4^2, 5^8\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^8\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5^5, 10\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 5^5, 10\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^{10}, 10\})$	1677720
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{2^8, 4^4, 5^2, 10^2\})$	416
20	$\mathcal{O}(0; \{2^5, 4^6, 5^2, 10^2\})$	1664
20	$\mathcal{O}(0; \{2^2, 4^8, 5^2, 10^2\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^2, 5^7, 10^2\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^7, 10^2\})$	419424
20	$\mathcal{O}(0; \{2^6, 4^2, 5^4, 10^3\})$	6552

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^4, 5^4, 10^3\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^4, 10^3\})$	104832
20	$\mathcal{O}(0; \{2^9, 4^2, 5, 10^4\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 5, 10^4\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 5, 10^4\})$	6528
20	$\mathcal{O}(0; \{4^8, 5, 10^4\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^6, 10^4\})$	419432
20	$\mathcal{O}(0; \{2^4, 4^2, 5^3, 10^5\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^3, 10^5\})$	104864
20	$\mathcal{O}(0; \{2^7, 4^2, 10^6\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^4, 10^6\})$	6560
20	$\mathcal{O}(0; \{2, 4^6, 10^6\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10^7\})$	104856
20	$\mathcal{O}(0; \{4^2, 5, 10^9\})$	419432
20	$\mathcal{O}(0; \{2^{11}, 4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{2^8, 4^3, 5^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^5, 5^4, 20\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^7, 5^4, 20\})$	26112
20	$\mathcal{O}(0; \{2^3, 4, 5^9, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^9, 20\})$	1677728
20	$\mathcal{O}(0; \{2^{14}, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{2^{11}, 4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{2^8, 4^5, 5, 10, 20\})$	384
20	$\mathcal{O}(0; \{2^5, 4^7, 5, 10, 20\})$	1536
20	$\mathcal{O}(0; \{2^2, 4^9, 5, 10, 20\})$	6144
20	$\mathcal{O}(0; \{2^6, 4, 5^6, 10, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^6, 10, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^6, 10, 20\})$	419456
20	$\mathcal{O}(0; \{2^9, 4, 5^3, 10^2, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 5^3, 10^2, 20\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^5, 5^3, 10^2, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 5^3, 10^2, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^8, 10^2, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4, 10^3, 20\})$	104
20	$\mathcal{O}(0; \{2^9, 4^3, 10^3, 20\})$	416
20	$\mathcal{O}(0; \{2^6, 4^5, 10^3, 20\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^7, 10^3, 20\})$	6656
20	$\mathcal{O}(0; \{4^9, 10^3, 20\})$	26624
20	$\mathcal{O}(0; \{2^4, 4, 5^5, 10^3, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^5, 10^3, 20\})$	419424
20	$\mathcal{O}(0; \{2^7, 4, 5^2, 10^4, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5^2, 10^4, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5^2, 10^4, 20\})$	104832

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4, 5^4, 10^5, 20\})$	419432
20	$\mathcal{O}(0; \{2^5, 4, 5, 10^6, 20\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 10^6, 20\})$	104864
20	$\mathcal{O}(0; \{4, 5^3, 10^7, 20\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4, 10^8, 20\})$	104856
20	$\mathcal{O}(0; \{4^3, 10^8, 20\})$	419424
20	$\mathcal{O}(0; \{2^{17}, 20^2\})$	8
20	$\mathcal{O}(0; \{2^{14}, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{2^{11}, 4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{2^8, 4^6, 20^2\})$	512
20	$\mathcal{O}(0; \{2^5, 4^8, 20^2\})$	2048
20	$\mathcal{O}(0; \{2^2, 4^{10}, 20^2\})$	8192
20	$\mathcal{O}(0; \{2^9, 5^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 5^5, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 5^5, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 5^5, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^{10}, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{12}, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2^9, 4^2, 5^2, 10, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^4, 5^2, 10, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^3, 4^6, 5^2, 10, 20^2\})$	26112
20	$\mathcal{O}(0; \{4^8, 5^2, 10, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^4, 5^7, 10, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^7, 10, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^7, 5^4, 10^2, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 5^4, 10^2, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5^4, 10^2, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^{10}, 5, 10^3, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 10^3, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 10^3, 20^2\})$	26240
20	$\mathcal{O}(0; \{2, 4^6, 5, 10^3, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^2, 5^6, 10^3, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^5, 5^3, 10^4, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10^4, 20^2\})$	419424
20	$\mathcal{O}(0; \{2^8, 10^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^2, 10^5, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^4, 10^5, 20^2\})$	104832
20	$\mathcal{O}(0; \{5^5, 10^5, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^3, 5^2, 10^6, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5^2, 10^6, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2, 5, 10^8, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4, 5, 20^3\})$	416
20	$\mathcal{O}(0; \{2^9, 4^3, 5, 20^3\})$	1664

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^6, 4^5, 5, 20^3\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^7, 5, 20^3\})$	26624
20	$\mathcal{O}(0; \{4^9, 5, 20^3\})$	106496
20	$\mathcal{O}(0; \{2^4, 4, 5^6, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5^6, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^7, 4, 5^3, 10, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^3, 5^3, 10, 20^3\})$	104832
20	$\mathcal{O}(0; \{2, 4^5, 5^3, 10, 20^3\})$	419328
20	$\mathcal{O}(0; \{2^{10}, 4, 10^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^3, 10^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^4, 4^5, 10^2, 20^3\})$	26112
20	$\mathcal{O}(0; \{2, 4^7, 10^2, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^2, 4, 5^5, 10^2, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 10^3, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 10^3, 20^3\})$	419456
20	$\mathcal{O}(0; \{4, 5^4, 10^4, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^5, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 5, 10^5, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2, 4, 10^7, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^{10}, 5^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^7, 4^2, 5^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^4, 4^4, 5^2, 20^4\})$	104960
20	$\mathcal{O}(0; \{2, 4^6, 5^2, 20^4\})$	419840
20	$\mathcal{O}(0; \{2^2, 5^7, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 5^4, 10, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 10, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^8, 5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10^2, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10^2, 20^4\})$	419328
20	$\mathcal{O}(0; \{5^6, 10^2, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^3, 5^3, 10^3, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 5^3, 10^3, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^6, 10^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^2, 10^4, 20^4\})$	419456
20	$\mathcal{O}(0; \{4^4, 10^4, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2, 5^2, 10^5, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 4, 5^3, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^2, 4^3, 5^3, 20^5\})$	1677824
20	$\mathcal{O}(0; \{2^8, 4, 10, 20^5\})$	26240
20	$\mathcal{O}(0; \{2^5, 4^3, 10, 20^5\})$	104960
20	$\mathcal{O}(0; \{2^2, 4^5, 10, 20^5\})$	419840
20	$\mathcal{O}(0; \{4, 5^5, 10, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10^2, 20^5\})$	1677696

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{4^3, 5^2, 10^2, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2, 4, 5, 10^4, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^3, 5^4, 20^6\})$	6710912
20	$\mathcal{O}(0; \{4^2, 5^4, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2^6, 5, 10, 20^6\})$	419456
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10, 20^6\})$	1677824
20	$\mathcal{O}(0; \{4^4, 5, 10, 20^6\})$	6711296
20	$\mathcal{O}(0; \{2, 5^3, 10^2, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^4, 10^3, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2, 4^2, 10^3, 20^6\})$	6710784
20	$\mathcal{O}(0; \{2^6, 4, 20^7\})$	419328
20	$\mathcal{O}(0; \{2^3, 4^3, 20^7\})$	1677312
20	$\mathcal{O}(0; \{4^5, 20^7\})$	6709248
20	$\mathcal{O}(0; \{2, 4, 5^2, 10, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2^4, 5, 20^8\})$	6710784
20	$\mathcal{O}(0; \{2, 4^2, 5, 20^8\})$	26843136
20	$\mathcal{O}(0; \{2^2, 10^2, 20^8\})$	26843648
20	$\mathcal{O}(0; \{10, 20^{10}\})$	429496320
21	$\mathcal{O}(5; \emptyset)$	16679598443904
21	$\mathcal{O}(4; \{3^3\})$	75645705600
21	$\mathcal{O}(3; \{3^6\})$	1886838624
21	$\mathcal{O}(3; \{3^2, 7^2, 21\})$	5145967260
21	$\mathcal{O}(2; \{3^9\})$	33048000
21	$\mathcal{O}(2; \{7^7\})$	7681279200
21	$\mathcal{O}(2; \{3^5, 7^2, 21\})$	128357460
21	$\mathcal{O}(2; \{3, 7^4, 21^2\})$	2592820692
21	$\mathcal{O}(2; \{3^2, 7, 21^4\})$	4749226020
21	$\mathcal{O}(1; \{3^{12}\})$	590112
21	$\mathcal{O}(1; \{3^3, 7^7\})$	35271180
21	$\mathcal{O}(1; \{3^8, 7^2, 21\})$	2249100
21	$\mathcal{O}(1; \{3^4, 7^4, 21^2\})$	64673532
21	$\mathcal{O}(1; \{7^6, 21^3\})$	1269788940
21	$\mathcal{O}(1; \{3^5, 7, 21^4\})$	83216700
21	$\mathcal{O}(1; \{3, 7^3, 21^5\})$	2327956092
21	$\mathcal{O}(1; \{3^2, 21^7\})$	2998050300
21	$\mathcal{O}(0; \{3^6, 7^7\})$	879780
21	$\mathcal{O}(0; \{3^{11}, 7^2, 21\})$	40980
21	$\mathcal{O}(0; \{3^2, 7^9, 21\})$	17276052
21	$\mathcal{O}(0; \{3^7, 7^4, 21^2\})$	1133220
21	$\mathcal{O}(0; \{3^3, 7^6, 21^3\})$	31672740
21	$\mathcal{O}(0; \{3^8, 7, 21^4\})$	1516260
21	$\mathcal{O}(0; \{3^4, 7^3, 21^5\})$	40790820
21	$\mathcal{O}(0; \{7^5, 21^6\})$	1140219300

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(0; \{3^5, 21^7\})$	54626340
21	$\mathcal{O}(0; \{3, 7^2, 21^8\})$	1468464420
22	$\mathcal{O}(3; \{11^4\})$	101563592130
22	$\mathcal{O}(2; \{2^4, 11^4\})$	213172960
22	$\mathcal{O}(2; \{2^2, 11^3, 22^2\})$	2129387040
22	$\mathcal{O}(2; \{11^2, 22^4\})$	21296212960
22	$\mathcal{O}(1; \{2^8, 11^4\})$	440440
22	$\mathcal{O}(1; \{2^6, 11^3, 22^2\})$	4399560
22	$\mathcal{O}(1; \{2^4, 11^2, 22^4\})$	44000440
22	$\mathcal{O}(1; \{2^2, 11, 22^6\})$	439999560
22	$\mathcal{O}(1; \{22^8\})$	4400000440
22	$\mathcal{O}(0; \{2^{12}, 11^4\})$	910
22	$\mathcal{O}(0; \{2, 11^9, 22\})$	909090910
22	$\mathcal{O}(0; \{2^{10}, 11^3, 22^2\})$	9090
22	$\mathcal{O}(0; \{2^8, 11^2, 22^4\})$	90910
22	$\mathcal{O}(0; \{2^6, 11, 22^6\})$	909090
22	$\mathcal{O}(0; \{2^4, 22^8\})$	9090910
24	$\mathcal{O}(4; \{2^2\})$	109628620800
24	$\mathcal{O}(3; \{2^6\})$	187858944
24	$\mathcal{O}(3; \{2^2, 3^3\})$	376233984
24	$\mathcal{O}(3; \{2^3, 4^2\})$	375717888
24	$\mathcal{O}(3; \{4^4\})$	1502871552
24	$\mathcal{O}(3; \{2^3, 3, 6\})$	376233984
24	$\mathcal{O}(3; \{3, 4^2, 6\})$	752467968
24	$\mathcal{O}(3; \{3^2, 6^2\})$	1128701952
24	$\mathcal{O}(3; \{2, 6^3\})$	376233984
24	$\mathcal{O}(3; \{2, 4, 8^2\})$	1526726656
24	$\mathcal{O}(3; \{3^2, 4, 12\})$	752467968
24	$\mathcal{O}(3; \{2, 4, 6, 12\})$	752467968
24	$\mathcal{O}(3; \{2, 3, 12^2\})$	752467968
24	$\mathcal{O}(3; \{2, 3, 8, 24\})$	1528823808
24	$\mathcal{O}(2; \{2^{10}\})$	307200
24	$\mathcal{O}(2; \{2^6, 3^3\})$	622080
24	$\mathcal{O}(2; \{2^2, 3^6\})$	6842880
24	$\mathcal{O}(2; \{2^7, 4^2\})$	614400
24	$\mathcal{O}(2; \{2^3, 3^3, 4^2\})$	1244160
24	$\mathcal{O}(2; \{2^4, 4^4\})$	2457600
24	$\mathcal{O}(2; \{3^3, 4^4\})$	4976640
24	$\mathcal{O}(2; \{2, 4^6\})$	9830400
24	$\mathcal{O}(2; \{2^7, 3, 6\})$	622080
24	$\mathcal{O}(2; \{2^3, 3^4, 6\})$	3110400
24	$\mathcal{O}(2; \{2^4, 3, 4^2, 6\})$	1244160
24	$\mathcal{O}(2; \{3^4, 4^2, 6\})$	6220800

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2, 3, 4^4, 6\})$	4976640
24	$\mathcal{O}(2; \{2^4, 3^2, 6^2\})$	1866240
24	$\mathcal{O}(2; \{3^5, 6^2\})$	13063680
24	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^2\})$	3732480
24	$\mathcal{O}(2; \{2^5, 6^3\})$	622080
24	$\mathcal{O}(2; \{2, 3^3, 6^3\})$	6842880
24	$\mathcal{O}(2; \{2^2, 4^2, 6^3\})$	1244160
24	$\mathcal{O}(2; \{2^2, 3, 6^4\})$	3110400
24	$\mathcal{O}(2; \{6^6\})$	6842880
24	$\mathcal{O}(2; \{2^5, 4, 8^2\})$	2621440
24	$\mathcal{O}(2; \{2, 3^3, 4, 8^2\})$	5308416
24	$\mathcal{O}(2; \{2^2, 4^3, 8^2\})$	10485760
24	$\mathcal{O}(2; \{2^2, 3, 4, 6, 8^2\})$	5308416
24	$\mathcal{O}(2; \{4, 6^3, 8^2\})$	5308416
24	$\mathcal{O}(2; \{2^3, 8^4\})$	20971520
24	$\mathcal{O}(2; \{4^2, 8^4\})$	83886080
24	$\mathcal{O}(2; \{3, 6, 8^4\})$	42467328
24	$\mathcal{O}(2; \{2^4, 3^2, 4, 12\})$	1244160
24	$\mathcal{O}(2; \{3^5, 4, 12\})$	13685760
24	$\mathcal{O}(2; \{2, 3^2, 4^3, 12\})$	4976640
24	$\mathcal{O}(2; \{2^5, 4, 6, 12\})$	1244160
24	$\mathcal{O}(2; \{2, 3^3, 4, 6, 12\})$	6220800
24	$\mathcal{O}(2; \{2^2, 4^3, 6, 12\})$	4976640
24	$\mathcal{O}(2; \{2^2, 3, 4, 6^2, 12\})$	3732480
24	$\mathcal{O}(2; \{4, 6^4, 12\})$	6220800
24	$\mathcal{O}(2; \{2^2, 3^2, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{2^3, 6, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{4^2, 6, 8^2, 12\})$	21233664
24	$\mathcal{O}(2; \{3, 6^2, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2^5, 3, 12^2\})$	1244160
24	$\mathcal{O}(2; \{2, 3^4, 12^2\})$	13685760
24	$\mathcal{O}(2; \{2^2, 3, 4^2, 12^2\})$	4976640
24	$\mathcal{O}(2; \{2^2, 3^2, 6, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2^3, 6^2, 12^2\})$	3732480
24	$\mathcal{O}(2; \{4^2, 6^2, 12^2\})$	14929920
24	$\mathcal{O}(2; \{3, 6^3, 12^2\})$	13685760
24	$\mathcal{O}(2; \{3, 4, 8^2, 12^2\})$	21233664
24	$\mathcal{O}(2; \{2^3, 4, 12^3\})$	4976640
24	$\mathcal{O}(2; \{4^3, 12^3\})$	19906560
24	$\mathcal{O}(2; \{3, 4, 6, 12^3\})$	24883200
24	$\mathcal{O}(2; \{2, 8^2, 12^3\})$	21233664
24	$\mathcal{O}(2; \{3^2, 12^4\})$	54743040
24	$\mathcal{O}(2; \{2, 6, 12^4\})$	24883200

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^5, 3, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{2, 3^4, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{2^2, 3, 4^2, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2^2, 3^2, 6, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{2^3, 6^2, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{4^2, 6^2, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{3, 6^3, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{3, 4, 8^3, 24\})$	84934656
24	$\mathcal{O}(2; \{2^3, 4, 8, 12, 24\})$	10616832
24	$\mathcal{O}(2; \{4^3, 8, 12, 24\})$	42467328
24	$\mathcal{O}(2; \{3, 4, 6, 8, 12, 24\})$	31850496
24	$\mathcal{O}(2; \{2, 8^3, 12, 24\})$	84934656
24	$\mathcal{O}(2; \{3^2, 8, 12^2, 24\})$	53084160
24	$\mathcal{O}(2; \{2, 6, 8, 12^2, 24\})$	31850496
24	$\mathcal{O}(2; \{2^2, 3^2, 4, 24^2\})$	15925248
24	$\mathcal{O}(2; \{2^3, 4, 6, 24^2\})$	5308416
24	$\mathcal{O}(2; \{4^3, 6, 24^2\})$	21233664
24	$\mathcal{O}(2; \{3, 4, 6^2, 24^2\})$	26542080
24	$\mathcal{O}(2; \{3^2, 8^2, 24^2\})$	127401984
24	$\mathcal{O}(2; \{2, 6, 8^2, 24^2\})$	42467328
24	$\mathcal{O}(2; \{2^3, 3, 12, 24^2\})$	15925248
24	$\mathcal{O}(2; \{3, 4^2, 12, 24^2\})$	63700992
24	$\mathcal{O}(2; \{3^2, 6, 12, 24^2\})$	58392576
24	$\mathcal{O}(2; \{2, 6^2, 12, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2, 4, 12^2, 24^2\})$	63700992
24	$\mathcal{O}(2; \{2, 4, 8, 24^3\})$	84934656
24	$\mathcal{O}(2; \{2, 3, 24^4\})$	212336640
24	$\mathcal{O}(1; \{2^{14}\})$	384
24	$\mathcal{O}(1; \{2^{10}, 3^3\})$	864
24	$\mathcal{O}(1; \{2^6, 3^6\})$	9504
24	$\mathcal{O}(1; \{2^2, 3^9\})$	73440
24	$\mathcal{O}(1; \{2^{11}, 4^2\})$	768
24	$\mathcal{O}(1; \{2^7, 3^3, 4^2\})$	1728
24	$\mathcal{O}(1; \{2^3, 3^6, 4^2\})$	19008
24	$\mathcal{O}(1; \{2^8, 4^4\})$	3072
24	$\mathcal{O}(1; \{2^4, 3^3, 4^4\})$	6912
24	$\mathcal{O}(1; \{3^6, 4^4\})$	76032
24	$\mathcal{O}(1; \{2^5, 4^6\})$	12288
24	$\mathcal{O}(1; \{2, 3^3, 4^6\})$	27648
24	$\mathcal{O}(1; \{2^2, 4^8\})$	49152
24	$\mathcal{O}(1; \{2^{11}, 3, 6\})$	864
24	$\mathcal{O}(1; \{2^7, 3^4, 6\})$	4320
24	$\mathcal{O}(1; \{2^3, 3^7, 6\})$	37152

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^8, 3, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6\})$	8640
24	$\mathcal{O}(1; \{3^7, 4^2, 6\})$	74304
24	$\mathcal{O}(1; \{2^5, 3, 4^4, 6\})$	6912
24	$\mathcal{O}(1; \{2, 3^4, 4^4, 6\})$	34560
24	$\mathcal{O}(1; \{2^2, 3, 4^6, 6\})$	27648
24	$\mathcal{O}(1; \{2^8, 3^2, 6^2\})$	2592
24	$\mathcal{O}(1; \{2^4, 3^5, 6^2\})$	18144
24	$\mathcal{O}(1; \{3^8, 6^2\})$	147744
24	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^2\})$	5184
24	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^2\})$	36288
24	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^2\})$	20736
24	$\mathcal{O}(1; \{2^9, 6^3\})$	864
24	$\mathcal{O}(1; \{2^5, 3^3, 6^3\})$	9504
24	$\mathcal{O}(1; \{2, 3^6, 6^3\})$	73440
24	$\mathcal{O}(1; \{2^6, 4^2, 6^3\})$	1728
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^3\})$	19008
24	$\mathcal{O}(1; \{2^3, 4^4, 6^3\})$	6912
24	$\mathcal{O}(1; \{4^6, 6^3\})$	27648
24	$\mathcal{O}(1; \{2^6, 3, 6^4\})$	4320
24	$\mathcal{O}(1; \{2^2, 3^4, 6^4\})$	37152
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^4\})$	8640
24	$\mathcal{O}(1; \{3, 4^4, 6^4\})$	34560
24	$\mathcal{O}(1; \{2^3, 3^2, 6^5\})$	18144
24	$\mathcal{O}(1; \{3^2, 4^2, 6^5\})$	36288
24	$\mathcal{O}(1; \{2^4, 6^6\})$	9504
24	$\mathcal{O}(1; \{3^3, 6^6\})$	73440
24	$\mathcal{O}(1; \{2, 4^2, 6^6\})$	19008
24	$\mathcal{O}(1; \{2, 3, 6^7\})$	37152
24	$\mathcal{O}(1; \{2^9, 4, 8^2\})$	4096
24	$\mathcal{O}(1; \{2^5, 3^3, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 3^6, 4, 8^2\})$	101376
24	$\mathcal{O}(1; \{2^6, 4^3, 8^2\})$	16384
24	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 8^2\})$	36864
24	$\mathcal{O}(1; \{2^3, 4^5, 8^2\})$	65536
24	$\mathcal{O}(1; \{4^7, 8^2\})$	262144
24	$\mathcal{O}(1; \{2^6, 3, 4, 6, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 6, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 6, 8^2\})$	36864
24	$\mathcal{O}(1; \{3, 4^5, 6, 8^2\})$	147456
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^2, 8^2\})$	27648
24	$\mathcal{O}(1; \{3^2, 4^3, 6^2, 8^2\})$	110592
24	$\mathcal{O}(1; \{2^4, 4, 6^3, 8^2\})$	9216

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^3, 4, 6^3, 8^2\})$	101376
24	$\mathcal{O}(1; \{2, 4^3, 6^3, 8^2\})$	36864
24	$\mathcal{O}(1; \{2, 3, 4, 6^4, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^7, 8^4\})$	32768
24	$\mathcal{O}(1; \{2^3, 3^3, 8^4\})$	73728
24	$\mathcal{O}(1; \{2^4, 4^2, 8^4\})$	131072
24	$\mathcal{O}(1; \{3^3, 4^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{2, 4^4, 8^4\})$	524288
24	$\mathcal{O}(1; \{2^4, 3, 6, 8^4\})$	73728
24	$\mathcal{O}(1; \{3^4, 6, 8^4\})$	368640
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8^4\})$	294912
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^2, 6^3, 8^4\})$	73728
24	$\mathcal{O}(1; \{2^2, 4, 8^6\})$	1048576
24	$\mathcal{O}(1; \{8^8\})$	8388608
24	$\mathcal{O}(1; \{2^8, 3^2, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^5, 4, 12\})$	19008
24	$\mathcal{O}(1; \{3^8, 4, 12\})$	146880
24	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2, 3^5, 4^3, 12\})$	76032
24	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 12\})$	27648
24	$\mathcal{O}(1; \{2^9, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{2^5, 3^3, 4, 6, 12\})$	8640
24	$\mathcal{O}(1; \{2, 3^6, 4, 6, 12\})$	74304
24	$\mathcal{O}(1; \{2^6, 4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6, 12\})$	34560
24	$\mathcal{O}(1; \{2^3, 4^5, 6, 12\})$	27648
24	$\mathcal{O}(1; \{4^7, 6, 12\})$	110592
24	$\mathcal{O}(1; \{2^6, 3, 4, 6^2, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^2, 12\})$	36288
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^2, 12\})$	20736
24	$\mathcal{O}(1; \{3, 4^5, 6^2, 12\})$	82944
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^3, 12\})$	19008
24	$\mathcal{O}(1; \{3^2, 4^3, 6^3, 12\})$	76032
24	$\mathcal{O}(1; \{2^4, 4, 6^4, 12\})$	8640
24	$\mathcal{O}(1; \{3^3, 4, 6^4, 12\})$	74304
24	$\mathcal{O}(1; \{2, 4^3, 6^4, 12\})$	34560
24	$\mathcal{O}(1; \{2, 3, 4, 6^5, 12\})$	36288
24	$\mathcal{O}(1; \{2^6, 3^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^5, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{3^2, 4^4, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^7, 6, 8^2, 12\})$	9216

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 3^3, 6, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{2^4, 4^2, 6, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{3^3, 4^2, 6, 8^2, 12\})$	184320
24	$\mathcal{O}(1; \{2, 4^4, 6, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^4, 3, 6^2, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{3^4, 6^2, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2, 3^2, 6^3, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^2, 6^4, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{2, 3^2, 4, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{2^2, 4, 6, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{6, 8^6, 12\})$	2359296
24	$\mathcal{O}(1; \{2^9, 3, 12^2\})$	1728
24	$\mathcal{O}(1; \{2^5, 3^4, 12^2\})$	19008
24	$\mathcal{O}(1; \{2, 3^7, 12^2\})$	146880
24	$\mathcal{O}(1; \{2^6, 3, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 12^2\})$	76032
24	$\mathcal{O}(1; \{2^3, 3, 4^4, 12^2\})$	27648
24	$\mathcal{O}(1; \{3, 4^6, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^6, 3^2, 6, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 3^5, 6, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 12^2\})$	34560
24	$\mathcal{O}(1; \{3^2, 4^4, 6, 12^2\})$	138240
24	$\mathcal{O}(1; \{2^7, 6^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 12^2\})$	36288
24	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 12^2\})$	20736
24	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 12^2\})$	145152
24	$\mathcal{O}(1; \{2, 4^4, 6^2, 12^2\})$	82944
24	$\mathcal{O}(1; \{2^4, 3, 6^3, 12^2\})$	19008
24	$\mathcal{O}(1; \{3^4, 6^3, 12^2\})$	146880
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 12^2\})$	76032
24	$\mathcal{O}(1; \{2, 3^2, 6^4, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^2, 6^5, 12^2\})$	36288
24	$\mathcal{O}(1; \{2^4, 3, 4, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{3^4, 4, 8^2, 12^2\})$	405504
24	$\mathcal{O}(1; \{2, 3, 4^3, 8^2, 12^2\})$	147456
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8^2, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^2, 3, 8^4, 12^2\})$	294912
24	$\mathcal{O}(1; \{6^2, 8^4, 12^2\})$	884736
24	$\mathcal{O}(1; \{2^7, 4, 12^3\})$	6912
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 12^3\})$	76032
24	$\mathcal{O}(1; \{2^4, 4^3, 12^3\})$	27648

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^3, 4^3, 12^3\})$	304128
24	$\mathcal{O}(1; \{2, 4^5, 12^3\})$	110592
24	$\mathcal{O}(1; \{2^4, 3, 4, 6, 12^3\})$	34560
24	$\mathcal{O}(1; \{3^4, 4, 6, 12^3\})$	297216
24	$\mathcal{O}(1; \{2, 3, 4^3, 6, 12^3\})$	138240
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^2, 4, 6^3, 12^3\})$	76032
24	$\mathcal{O}(1; \{2^5, 8^2, 12^3\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{2^2, 4^2, 8^2, 12^3\})$	147456
24	$\mathcal{O}(1; \{2^2, 3, 6, 8^2, 12^3\})$	184320
24	$\mathcal{O}(1; \{6^3, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{4, 8^4, 12^3\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3^2, 12^4\})$	76032
24	$\mathcal{O}(1; \{3^5, 12^4\})$	587520
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 12^4\})$	304128
24	$\mathcal{O}(1; \{2^5, 6, 12^4\})$	34560
24	$\mathcal{O}(1; \{2, 3^3, 6, 12^4\})$	297216
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 12^4\})$	138240
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 12^4\})$	145152
24	$\mathcal{O}(1; \{6^4, 12^4\})$	297216
24	$\mathcal{O}(1; \{4, 6, 8^2, 12^4\})$	737280
24	$\mathcal{O}(1; \{2^2, 3, 4, 12^5\})$	304128
24	$\mathcal{O}(1; \{4, 6^2, 12^5\})$	580608
24	$\mathcal{O}(1; \{3, 8^2, 12^5\})$	1622016
24	$\mathcal{O}(1; \{2^3, 12^6\})$	304128
24	$\mathcal{O}(1; \{4^2, 12^6\})$	1216512
24	$\mathcal{O}(1; \{3, 6, 12^6\})$	1188864
24	$\mathcal{O}(1; \{2^9, 3, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^5, 3^4, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 3^7, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2^6, 3, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2^3, 3, 4^4, 8, 24\})$	73728
24	$\mathcal{O}(1; \{3, 4^6, 8, 24\})$	294912
24	$\mathcal{O}(1; \{2^6, 3^2, 6, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^5, 6, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 8, 24\})$	55296
24	$\mathcal{O}(1; \{3^2, 4^4, 6, 8, 24\})$	221184
24	$\mathcal{O}(1; \{2^7, 6^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 8, 24\})$	50688
24	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 8, 24\})$	202752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 4^4, 6^2, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^4, 3, 6^3, 8, 24\})$	23040
24	$\mathcal{O}(1; \{3^4, 6^3, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2, 3^2, 6^4, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^2, 6^5, 8, 24\})$	50688
24	$\mathcal{O}(1; \{2^4, 3, 4, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{3^4, 4, 8^3, 24\})$	737280
24	$\mathcal{O}(1; \{2, 3, 4^3, 8^3, 24\})$	589824
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{2^2, 3, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{6^2, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^7, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{2^4, 4^3, 8, 12, 24\})$	73728
24	$\mathcal{O}(1; \{3^3, 4^3, 8, 12, 24\})$	368640
24	$\mathcal{O}(1; \{2, 4^5, 8, 12, 24\})$	294912
24	$\mathcal{O}(1; \{2^4, 3, 4, 6, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{3^4, 4, 6, 8, 12, 24\})$	387072
24	$\mathcal{O}(1; \{2, 3, 4^3, 6, 8, 12, 24\})$	221184
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 4, 6^3, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{2^5, 8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{2, 3^3, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{2^2, 4^2, 8^3, 12, 24\})$	589824
24	$\mathcal{O}(1; \{2^2, 3, 6, 8^3, 12, 24\})$	442368
24	$\mathcal{O}(1; \{6^3, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{4, 8^5, 12, 24\})$	4718592
24	$\mathcal{O}(1; \{2^4, 3^2, 8, 12^2, 24\})$	92160
24	$\mathcal{O}(1; \{3^5, 8, 12^2, 24\})$	792576
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8, 12^2, 24\})$	368640
24	$\mathcal{O}(1; \{2^5, 6, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2, 3^3, 6, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 8, 12^2, 24\})$	221184
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{6^4, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{4, 6, 8^3, 12^2, 24\})$	1769472
24	$\mathcal{O}(1; \{2^2, 3, 4, 8, 12^3, 24\})$	368640
24	$\mathcal{O}(1; \{4, 6^2, 8, 12^3, 24\})$	811008
24	$\mathcal{O}(1; \{3, 8^3, 12^3, 24\})$	2949120
24	$\mathcal{O}(1; \{2^3, 8, 12^4, 24\})$	368640
24	$\mathcal{O}(1; \{4^2, 8, 12^4, 24\})$	1474560

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 6, 8, 12^4, 24\})$	1548288
24	$\mathcal{O}(1; \{2^6, 3^2, 4, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^5, 4, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 24^2\})$	110592
24	$\mathcal{O}(1; \{3^2, 4^5, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^7, 4, 6, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 6, 24^2\})$	101376
24	$\mathcal{O}(1; \{2^4, 4^3, 6, 24^2\})$	36864
24	$\mathcal{O}(1; \{3^3, 4^3, 6, 24^2\})$	405504
24	$\mathcal{O}(1; \{2, 4^5, 6, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^4, 3, 4, 6^2, 24^2\})$	46080
24	$\mathcal{O}(1; \{3^4, 4, 6^2, 24^2\})$	396288
24	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 24^2\})$	184320
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^2, 4, 6^4, 24^2\})$	101376
24	$\mathcal{O}(1; \{2^4, 3^2, 8^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{3^5, 8^2, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^5, 6, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2, 3^3, 6, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 8^2, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{6^4, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{4, 6, 8^4, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^7, 3, 12, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^3, 3^4, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^4, 3, 4^2, 12, 24^2\})$	110592
24	$\mathcal{O}(1; \{3^4, 4^2, 12, 24^2\})$	774144
24	$\mathcal{O}(1; \{2, 3, 4^4, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^4, 3^2, 6, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^5, 6, 12, 24^2\})$	783360
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^5, 6^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^3, 6^2, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 12, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^2, 3, 6^3, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{6^5, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 3, 4, 8^2, 12, 24^2\})$	884736
24	$\mathcal{O}(1; \{4, 6^2, 8^2, 12, 24^2\})$	1474560
24	$\mathcal{O}(1; \{3, 8^4, 12, 24^2\})$	7077888
24	$\mathcal{O}(1; \{2^5, 4, 12^2, 24^2\})$	110592
24	$\mathcal{O}(1; \{2, 3^3, 4, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^2, 4^3, 12^2, 24^2\})$	442368

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{4, 6^3, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^3, 8^2, 12^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{4^2, 8^2, 12^2, 24^2\})$	3538944
24	$\mathcal{O}(1; \{3, 6, 8^2, 12^2, 24^2\})$	3244032
24	$\mathcal{O}(1; \{2^2, 3^2, 12^3, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^3, 6, 12^3, 24^2\})$	405504
24	$\mathcal{O}(1; \{4^2, 6, 12^3, 24^2\})$	1622016
24	$\mathcal{O}(1; \{3, 6^2, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{3, 4, 12^4, 24^2\})$	3096576
24	$\mathcal{O}(1; \{2, 12^5, 24^2\})$	3096576
24	$\mathcal{O}(1; \{2^5, 4, 8, 24^3\})$	147456
24	$\mathcal{O}(1; \{2, 3^3, 4, 8, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^2, 4^3, 8, 24^3\})$	589824
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 8, 24^3\})$	737280
24	$\mathcal{O}(1; \{4, 6^3, 8, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^3, 8^3, 24^3\})$	1179648
24	$\mathcal{O}(1; \{4^2, 8^3, 24^3\})$	4718592
24	$\mathcal{O}(1; \{3, 6, 8^3, 24^3\})$	5898240
24	$\mathcal{O}(1; \{2^2, 3^2, 8, 12, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^3, 6, 8, 12, 24^3\})$	737280
24	$\mathcal{O}(1; \{4^2, 6, 8, 12, 24^3\})$	2949120
24	$\mathcal{O}(1; \{3, 6^2, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{3, 4, 8, 12^2, 24^3\})$	6488064
24	$\mathcal{O}(1; \{2, 8, 12^3, 24^3\})$	6488064
24	$\mathcal{O}(1; \{2^5, 3, 24^4\})$	368640
24	$\mathcal{O}(1; \{2, 3^4, 24^4\})$	3170304
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 24^4\})$	1474560
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2^3, 6^2, 24^4\})$	811008
24	$\mathcal{O}(1; \{4^2, 6^2, 24^4\})$	3244032
24	$\mathcal{O}(1; \{3, 6^3, 24^4\})$	3170304
24	$\mathcal{O}(1; \{3, 4, 8^2, 24^4\})$	11796480
24	$\mathcal{O}(1; \{2^3, 4, 12, 24^4\})$	1474560
24	$\mathcal{O}(1; \{4^3, 12, 24^4\})$	5898240
24	$\mathcal{O}(1; \{3, 4, 6, 12, 24^4\})$	6193152
24	$\mathcal{O}(1; \{2, 8^2, 12, 24^4\})$	11796480
24	$\mathcal{O}(1; \{3^2, 12^2, 24^4\})$	12681216
24	$\mathcal{O}(1; \{2, 6, 12^2, 24^4\})$	6193152
24	$\mathcal{O}(1; \{3^2, 8, 24^5\})$	24772608
24	$\mathcal{O}(1; \{2, 6, 8, 24^5\})$	12976128
24	$\mathcal{O}(1; \{2, 4, 24^6\})$	25952256
24	$\mathcal{O}(0; \{2^9, 3^3, 4, 8^2\})$	16

Continued on next page

Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^6, 4, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3^9, 4, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 8^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 8^2\})$	256
24	$\mathcal{O}(0; \{3^3, 4^7, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 6, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 6, 8^2\})$	688
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6, 8^2\})$	320
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 6, 8^2\})$	256
24	$\mathcal{O}(0; \{3^4, 4^5, 6, 8^2\})$	1280
24	$\mathcal{O}(0; \{2, 3, 4^7, 6, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^2, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^2, 8^2\})$	336
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^2, 8^2\})$	192
24	$\mathcal{O}(0; \{3^5, 4^3, 6^2, 8^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^2, 8^2\})$	768
24	$\mathcal{O}(0; \{2^8, 4, 6^3, 8^2\})$	16
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^3, 8^2\})$	176
24	$\mathcal{O}(0; \{3^6, 4, 6^3, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^5, 4^3, 6^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^3, 8^2\})$	704
24	$\mathcal{O}(0; \{2^2, 4^5, 6^3, 8^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^4, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^4, 8^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^4, 8^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^5, 8^2\})$	336
24	$\mathcal{O}(0; \{2^3, 4, 6^6, 8^2\})$	176
24	$\mathcal{O}(0; \{4^3, 6^6, 8^2\})$	704
24	$\mathcal{O}(0; \{3, 4, 6^7, 8^2\})$	688
24	$\mathcal{O}(0; \{2^7, 3^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^6, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3^6, 4^2, 8^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^8, 3, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8^4\})$	640
24	$\mathcal{O}(0; \{3^7, 6, 8^4\})$	5504
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8^4\})$	512
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8^4\})$	2048

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8^4\})$	1536
24	$\mathcal{O}(0; \{2^6, 6^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8^4\})$	512
24	$\mathcal{O}(0; \{4^4, 6^3, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8^4\})$	640
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8^4\})$	2560
24	$\mathcal{O}(0; \{3^2, 6^5, 8^4\})$	2688
24	$\mathcal{O}(0; \{2, 6^6, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^6\})$	4096
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^6\})$	4096
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^6\})$	16384
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^6\})$	12288
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^6\})$	4096
24	$\mathcal{O}(0; \{3^3, 8^8\})$	32768
24	$\mathcal{O}(0; \{2, 3, 6, 8^8\})$	32768
24	$\mathcal{O}(0; \{2^{10}, 3^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^6, 3^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3^8, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{3^5, 4^4, 8^2, 12\})$	2816
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^{11}, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^7, 3^3, 6, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 3^6, 6, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^8, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3^6, 4^2, 6, 8^2, 12\})$	2752
24	$\mathcal{O}(0; \{2^5, 4^4, 6, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^2, 4^6, 6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^8, 3, 6^2, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^7, 6^2, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^5, 6^3, 8^2, 12\})$	1360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^6, 6^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^3, 4^2, 6^4, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{4^4, 6^4, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^3, 3, 6^5, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3, 4^2, 6^5, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{3^2, 6^6, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2, 6^7, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2, 3^5, 4, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{2^6, 4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{4^5, 6, 8^4, 12\})$	8192
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2, 4, 6^4, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^2, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{3^2, 4^2, 8^6, 12\})$	16384
24	$\mathcal{O}(0; \{2^4, 6, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{3^3, 6, 8^6, 12\})$	20480
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^6, 12\})$	16384
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^8, 3, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{3^7, 4, 8^2, 12^2\})$	5440
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 8^2, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8^2, 12^2\})$	768
24	$\mathcal{O}(0; \{4^5, 6^2, 8^2, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2, 4, 6^5, 8^2, 12^2\})$	1344

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^4, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{3, 4^4, 8^4, 12^2\})$	8192
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^4, 12^2\})$	10240
24	$\mathcal{O}(0; \{2^4, 6^2, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{3^3, 6^2, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^4, 12^2\})$	6144
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4, 8^6, 12^2\})$	16384
24	$\mathcal{O}(0; \{2^9, 8^2, 12^3\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{2, 3^6, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2^6, 4^2, 8^2, 12^3\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2^3, 4^4, 8^2, 12^3\})$	1024
24	$\mathcal{O}(0; \{4^6, 8^2, 12^3\})$	4096
24	$\mathcal{O}(0; \{2^6, 3, 6, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8^2, 12^3\})$	1280
24	$\mathcal{O}(0; \{3, 4^4, 6, 8^2, 12^3\})$	5120
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{2^4, 6^3, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{3^3, 6^3, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2, 3, 6^4, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^4, 4, 8^4, 12^3\})$	2048
24	$\mathcal{O}(0; \{3^3, 4, 8^4, 12^3\})$	22528
24	$\mathcal{O}(0; \{2, 4^3, 8^4, 12^3\})$	8192
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^4, 12^3\})$	10240
24	$\mathcal{O}(0; \{2^2, 8^6, 12^3\})$	16384
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^2, 12^4\})$	2816
24	$\mathcal{O}(0; \{3^2, 4^3, 8^2, 12^4\})$	11264
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^2, 12^4\})$	1280
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^2, 12^4\})$	11008
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^2, 12^4\})$	5120
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 8^4, 12^4\})$	22528
24	$\mathcal{O}(0; \{2^2, 6, 8^4, 12^4\})$	10240
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 12^5\})$	2816
24	$\mathcal{O}(0; \{3^4, 8^2, 12^5\})$	21760

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 12^5\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 12^5\})$	5376
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12^6\})$	11264
24	$\mathcal{O}(0; \{8^4, 12^6\})$	90112
24	$\mathcal{O}(0; \{6, 8^2, 12^7\})$	44032
24	$\mathcal{O}(0; \{2^{13}, 3, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^9, 3^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^5, 3^7, 8, 24\})$	344
24	$\mathcal{O}(0; \{2, 3^{10}, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^7, 3, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^4, 3, 4^6, 8, 24\})$	512
24	$\mathcal{O}(0; \{3^4, 4^6, 8, 24\})$	2560
24	$\mathcal{O}(0; \{2, 3, 4^8, 8, 24\})$	2048
24	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^6, 3^5, 6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^8, 6, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6, 8, 24\})$	384
24	$\mathcal{O}(0; \{3^5, 4^4, 6, 8, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 6, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^{11}, 6^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^8, 4^2, 6^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^2, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^6, 4^2, 6^2, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2^5, 4^4, 6^2, 8, 24\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^2, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 4^6, 6^2, 8, 24\})$	512
24	$\mathcal{O}(0; \{2^8, 3, 6^3, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^7, 6^3, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^3, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^3, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^3, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^5, 6^4, 8, 24\})$	1368

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^4, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^6, 6^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^3, 4^2, 6^5, 8, 24\})$	352
24	$\mathcal{O}(0; \{4^4, 6^5, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 6^6, 8, 24\})$	344
24	$\mathcal{O}(0; \{3, 4^2, 6^6, 8, 24\})$	1376
24	$\mathcal{O}(0; \{3^2, 6^7, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2, 6^8, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^8, 3, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^7, 4, 8^3, 24\})$	11008
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{4^5, 6^2, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2, 4, 6^5, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^6, 3, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^4, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{3, 4^4, 8^5, 24\})$	32768
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^5, 24\})$	24576
24	$\mathcal{O}(0; \{2^4, 6^2, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{3^3, 6^2, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4, 8^7, 24\})$	65536
24	$\mathcal{O}(0; \{2^{11}, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^8, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{3^6, 4^3, 8, 12, 24\})$	5504

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 4^5, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^2, 4^7, 8, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2^8, 3, 4, 6, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3^7, 4, 6, 8, 12, 24\})$	5472
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 8, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^6, 4, 6^3, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{4^5, 6^3, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3, 4^3, 6^4, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{3^2, 4, 6^5, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2, 4, 6^6, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^9, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^5, 3^3, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^6, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2^6, 4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2^3, 4^4, 8^3, 12, 24\})$	4096
24	$\mathcal{O}(0; \{4^6, 8^3, 12, 24\})$	16384
24	$\mathcal{O}(0; \{2^6, 3, 6, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8^3, 12, 24\})$	3072
24	$\mathcal{O}(0; \{3, 4^4, 6, 8^3, 12, 24\})$	12288
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{2^4, 6^3, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{3^3, 6^3, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2, 3, 6^4, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^4, 4, 8^5, 12, 24\})$	8192
24	$\mathcal{O}(0; \{3^3, 4, 8^5, 12, 24\})$	40960
24	$\mathcal{O}(0; \{2, 4^3, 8^5, 12, 24\})$	32768
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^5, 12, 24\})$	24576
24	$\mathcal{O}(0; \{2^2, 8^7, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^8, 3^2, 8, 12^2, 24\})$	160

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3^5, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{3^8, 8, 12^2, 24\})$	10912
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^9, 6, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^6, 6, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 8, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{4^6, 6, 8, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2^4, 6^4, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{3^3, 6^4, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3, 6^5, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^3, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{3^2, 4^3, 8^3, 12^2, 24\})$	20480
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^3, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^3, 12^2, 24\})$	21504
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^3, 12^2, 24\})$	12288
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 8^5, 12^2, 24\})$	40960
24	$\mathcal{O}(0; \{2^2, 6, 8^5, 12^2, 24\})$	24576
24	$\mathcal{O}(0; \{2^6, 3, 4, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8, 12^3, 24\})$	2560
24	$\mathcal{O}(0; \{3, 4^5, 8, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8, 12^3, 24\})$	10752
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8, 12^3, 24\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^4, 3, 8^3, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{3^4, 8^3, 12^3, 24\})$	44032
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^3, 12^3, 24\})$	20480

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{2^2, 6^2, 8^3, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^7, 8, 12^4, 24\})$	640
24	$\mathcal{O}(0; \{2^3, 3^3, 8, 12^4, 24\})$	5504
24	$\mathcal{O}(0; \{2^4, 4^2, 8, 12^4, 24\})$	2560
24	$\mathcal{O}(0; \{3^3, 4^2, 8, 12^4, 24\})$	22016
24	$\mathcal{O}(0; \{2, 4^4, 8, 12^4, 24\})$	10240
24	$\mathcal{O}(0; \{2^4, 3, 6, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{3^4, 6, 8, 12^4, 24\})$	21888
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8, 12^4, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2^2, 6^3, 8, 12^4, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 4, 8^3, 12^4, 24\})$	20480
24	$\mathcal{O}(0; \{8^5, 12^4, 24\})$	163840
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 12^5, 24\})$	22016
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 12^5, 24\})$	10752
24	$\mathcal{O}(0; \{6, 8^3, 12^5, 24\})$	86016
24	$\mathcal{O}(0; \{2^2, 3, 8, 12^6, 24\})$	22016
24	$\mathcal{O}(0; \{6^2, 8, 12^6, 24\})$	43520
24	$\mathcal{O}(0; \{4, 8, 12^7, 24\})$	88064
24	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 24^2\})$	48
24	$\mathcal{O}(0; \{2^6, 3^5, 4, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^8, 4, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 24^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 24^2\})$	768
24	$\mathcal{O}(0; \{3^5, 4^5, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4^7, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^{11}, 4, 6, 24^2\})$	16
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 6, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 6, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^8, 4^3, 6, 24^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6, 24^2\})$	704
24	$\mathcal{O}(0; \{3^6, 4^3, 6, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^5, 4^5, 6, 24^2\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 6, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 4^7, 6, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^8, 3, 4, 6^2, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^2, 24^2\})$	688
24	$\mathcal{O}(0; \{3^7, 4, 6^2, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^2, 24^2\})$	1280

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^3, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^3, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^6, 4, 6^4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^4, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^3, 4^3, 6^4, 24^2\})$	704
24	$\mathcal{O}(0; \{4^5, 6^4, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^5, 24^2\})$	688
24	$\mathcal{O}(0; \{3, 4^3, 6^5, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^2, 4, 6^6, 24^2\})$	2736
24	$\mathcal{O}(0; \{2, 4, 6^7, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^8, 3^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^4, 3^5, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^8, 8^2, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^9, 6, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^6, 6, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 8^2, 24^2\})$	2048
24	$\mathcal{O}(0; \{4^6, 6, 8^2, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^4, 6^4, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^3, 6^4, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 3, 6^5, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^4, 24^2\})$	12288
24	$\mathcal{O}(0; \{3^2, 4^3, 8^4, 24^2\})$	49152
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^4, 24^2\})$	16384
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2, 3^2, 8^6, 24^2\})$	98304
24	$\mathcal{O}(0; \{2^2, 6, 8^6, 24^2\})$	32768
24	$\mathcal{O}(0; \{2^{11}, 3, 12, 24^2\})$	48

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 3^7, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^8, 3, 4^2, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^7, 4^2, 12, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^5, 3, 4^4, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2, 3^4, 4^4, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 4^6, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^8, 3^2, 6, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3^5, 6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^8, 6, 12, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 6, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^9, 6^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^6, 6^2, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^6, 4^2, 6^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^3, 4^4, 6^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{4^6, 6^2, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^6, 3, 6^3, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{3, 4^4, 6^3, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^2, 4^2, 6^4, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^4, 6^5, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{3^3, 6^5, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2, 4^2, 6^5, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 3, 6^6, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^6, 3, 4, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8^2, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{3, 4^5, 8^2, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8^2, 12, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8^2, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^4, 3, 8^4, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{3^4, 8^4, 12, 24^2\})$	86016

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^4, 12, 24^2\})$	49152
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^2, 6^2, 8^4, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^9, 4, 12^2, 24^2\})$	192
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^6, 4, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^6, 4^3, 12^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 4^5, 12^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{4^7, 12^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 12^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3, 4^5, 6, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^7, 8^2, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^3, 3^3, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 12^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{3^3, 4^2, 8^2, 12^2, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 4^4, 8^2, 12^2, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^4, 6, 8^2, 12^2, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^2, 12^2, 24^2\})$	22528
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 6^3, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 4, 8^4, 12^2, 24^2\})$	49152
24	$\mathcal{O}(0; \{8^6, 12^2, 24^2\})$	393216
24	$\mathcal{O}(0; \{2^6, 3^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^5, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 12^3, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^2, 4^4, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^7, 6, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 12^3, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 12^3, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 4^4, 6, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^4, 6^2, 12^3, 24^2\})$	21824

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 6^4, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2, 12^3, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^2, 12^3, 24^2\})$	22528
24	$\mathcal{O}(0; \{6, 8^4, 12^3, 24^2\})$	180224
24	$\mathcal{O}(0; \{2^4, 3, 4, 12^4, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^4, 4, 12^4, 24^2\})$	43776
24	$\mathcal{O}(0; \{2, 3, 4^3, 12^4, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^4, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{6^2, 8^2, 12^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2^5, 12^5, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3^3, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{2^2, 4^2, 12^5, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 6, 12^5, 24^2\})$	21760
24	$\mathcal{O}(0; \{6^3, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{4, 8^2, 12^5, 24^2\})$	172032
24	$\mathcal{O}(0; \{4, 6, 12^6, 24^2\})$	87040
24	$\mathcal{O}(0; \{3, 12^7, 24^2\})$	175104
24	$\mathcal{O}(0; \{2^9, 4, 8, 24^3\})$	256
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^6, 4, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^6, 4^3, 8, 24^3\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^3, 4^5, 8, 24^3\})$	4096
24	$\mathcal{O}(0; \{4^7, 8, 24^3\})$	16384
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 8, 24^3\})$	5120
24	$\mathcal{O}(0; \{3, 4^5, 6, 8, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^7, 8^3, 24^3\})$	2048
24	$\mathcal{O}(0; \{2^3, 3^3, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^4, 4^2, 8^3, 24^3\})$	8192
24	$\mathcal{O}(0; \{3^3, 4^2, 8^3, 24^3\})$	90112
24	$\mathcal{O}(0; \{2, 4^4, 8^3, 24^3\})$	32768

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{3^4, 6, 8^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^3, 24^3\})$	40960
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^2, 6^3, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^2, 4, 8^5, 24^3\})$	65536
24	$\mathcal{O}(0; \{8^7, 24^3\})$	524288
24	$\mathcal{O}(0; \{2^6, 3^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^5, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8, 12, 24^3\})$	11264
24	$\mathcal{O}(0; \{3^2, 4^4, 8, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^7, 6, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8, 12, 24^3\})$	5120
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8, 12, 24^3\})$	44032
24	$\mathcal{O}(0; \{2, 4^4, 6, 8, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^4, 6^2, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 6^4, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^3, 12, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^3, 12, 24^3\})$	40960
24	$\mathcal{O}(0; \{6, 8^5, 12, 24^3\})$	327680
24	$\mathcal{O}(0; \{2^4, 3, 4, 8, 12^2, 24^3\})$	11264
24	$\mathcal{O}(0; \{3^4, 4, 8, 12^2, 24^3\})$	87040
24	$\mathcal{O}(0; \{2, 3, 4^3, 8, 12^2, 24^3\})$	45056
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8, 12^2, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 8^3, 12^2, 24^3\})$	90112
24	$\mathcal{O}(0; \{6^2, 8^3, 12^2, 24^3\})$	172032
24	$\mathcal{O}(0; \{2^5, 8, 12^3, 24^3\})$	11264
24	$\mathcal{O}(0; \{2, 3^3, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{2^2, 4^2, 8, 12^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 12^3, 24^3\})$	44032
24	$\mathcal{O}(0; \{6^3, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{4, 8^3, 12^3, 24^3\})$	360448
24	$\mathcal{O}(0; \{4, 6, 8, 12^4, 24^3\})$	176128
24	$\mathcal{O}(0; \{3, 8, 12^5, 24^3\})$	348160
24	$\mathcal{O}(0; \{2^9, 3, 24^4\})$	640
24	$\mathcal{O}(0; \{2^5, 3^4, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 3^7, 24^4\})$	43648
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 24^4\})$	2560

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 24^4\})$	10240
24	$\mathcal{O}(0; \{3, 4^6, 24^4\})$	40960
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 24^4\})$	10752
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^7, 6^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 24^4\})$	10880
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 24^4\})$	5504
24	$\mathcal{O}(0; \{3^4, 6^3, 24^4\})$	43648
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 24^4\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^2, 6^5, 24^4\})$	10880
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^2, 24^4\})$	20480
24	$\mathcal{O}(0; \{3^4, 4, 8^2, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^2, 24^4\})$	81920
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 8^4, 24^4\})$	163840
24	$\mathcal{O}(0; \{6^2, 8^4, 24^4\})$	360448
24	$\mathcal{O}(0; \{2^7, 4, 12, 24^4\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^4, 4^3, 12, 24^4\})$	10240
24	$\mathcal{O}(0; \{3^3, 4^3, 12, 24^4\})$	88064
24	$\mathcal{O}(0; \{2, 4^5, 12, 24^4\})$	40960
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{3^4, 4, 6, 12, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 12, 24^4\})$	43008
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^5, 8^2, 12, 24^4\})$	20480
24	$\mathcal{O}(0; \{2, 3^3, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 12, 24^4\})$	81920
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{6^3, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{4, 8^4, 12, 24^4\})$	655360
24	$\mathcal{O}(0; \{2^4, 3^2, 12^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{3^5, 12^2, 24^4\})$	174592
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 12^2, 24^4\})$	88064

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 6, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2, 3^3, 6, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 12^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{6^4, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{4, 6, 8^2, 12^2, 24^4\})$	344064
24	$\mathcal{O}(0; \{2^2, 3, 4, 12^3, 24^4\})$	88064
24	$\mathcal{O}(0; \{4, 6^2, 12^3, 24^4\})$	174080
24	$\mathcal{O}(0; \{3, 8^2, 12^3, 24^4\})$	704512
24	$\mathcal{O}(0; \{2^3, 12^4, 24^4\})$	88064
24	$\mathcal{O}(0; \{4^2, 12^4, 24^4\})$	352256
24	$\mathcal{O}(0; \{3, 6, 12^4, 24^4\})$	350208
24	$\mathcal{O}(0; \{2^4, 3^2, 8, 24^5\})$	43008
24	$\mathcal{O}(0; \{3^5, 8, 24^5\})$	350208
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8, 24^5\})$	172032
24	$\mathcal{O}(0; \{2^5, 6, 8, 24^5\})$	22528
24	$\mathcal{O}(0; \{2, 3^3, 6, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8, 24^5\})$	90112
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8, 24^5\})$	88064
24	$\mathcal{O}(0; \{6^4, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{4, 6, 8^3, 24^5\})$	720896
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 12, 24^5\})$	172032
24	$\mathcal{O}(0; \{4, 6^2, 8, 12, 24^5\})$	352256
24	$\mathcal{O}(0; \{3, 8^3, 12, 24^5\})$	1376256
24	$\mathcal{O}(0; \{2^3, 8, 12^2, 24^5\})$	172032
24	$\mathcal{O}(0; \{4^2, 8, 12^2, 24^5\})$	688128
24	$\mathcal{O}(0; \{3, 6, 8, 12^2, 24^5\})$	696320
24	$\mathcal{O}(0; \{2^5, 4, 24^6\})$	45056
24	$\mathcal{O}(0; \{2, 3^3, 4, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^2, 4^3, 24^6\})$	180224
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 24^6\})$	176128
24	$\mathcal{O}(0; \{4, 6^3, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^3, 8^2, 24^6\})$	360448
24	$\mathcal{O}(0; \{4^2, 8^2, 24^6\})$	1441792
24	$\mathcal{O}(0; \{3, 6, 8^2, 24^6\})$	1409024
24	$\mathcal{O}(0; \{2^2, 3^2, 12, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^3, 6, 12, 24^6\})$	176128
24	$\mathcal{O}(0; \{4^2, 6, 12, 24^6\})$	704512
24	$\mathcal{O}(0; \{3, 6^2, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{3, 4, 12^2, 24^6\})$	1392640
24	$\mathcal{O}(0; \{2, 12^3, 24^6\})$	1392640
24	$\mathcal{O}(0; \{3, 4, 8, 24^7\})$	2818048
24	$\mathcal{O}(0; \{2, 8, 12, 24^7\})$	2818048

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 24^8\})$	5603328
24	$\mathcal{O}(0; \{2, 6, 24^8\})$	2785280
25	$\mathcal{O}(3; \{5, 25^2\})$	1953125000
25	$\mathcal{O}(1; \{5^6, 25^2\})$	5120000
25	$\mathcal{O}(1; \{25^7\})$	31992187500
26	$\mathcal{O}(1; \{13^7\})$	1397440044
26	$\mathcal{O}(0; \{2^4, 13^7\})$	2756292
26	$\mathcal{O}(0; \{2^2, 13^6, 26^2\})$	33075516
26	$\mathcal{O}(0; \{13^5, 26^4\})$	396906180
27	$\mathcal{O}(2; \{3, 9^4\})$	170061120
27	$\mathcal{O}(2; \{3^2, 27^3\})$	344373768
27	$\mathcal{O}(1; \{3^4, 9^4\})$	1679616
27	$\mathcal{O}(1; \{9^7\})$	19840464
27	$\mathcal{O}(1; \{3^5, 27^3\})$	3779136
27	$\mathcal{O}(1; \{3, 9^3, 27^3\})$	51018336
27	$\mathcal{O}(0; \{3^8, 27^3\})$	41472
27	$\mathcal{O}(0; \{3^4, 9^3, 27^3\})$	559872
27	$\mathcal{O}(0; \{9^6, 27^3\})$	7558272
27	$\mathcal{O}(0; \{3, 9^2, 27^6\})$	93533616
28	$\mathcal{O}(4; \emptyset)$	376326144000
28	$\mathcal{O}(3; \{2^4\})$	474356736
28	$\mathcal{O}(3; \{2, 4^2\})$	963772416
28	$\mathcal{O}(2; \{2^8\})$	576000
28	$\mathcal{O}(2; \{2^5, 4^2\})$	1228800
28	$\mathcal{O}(2; \{2^2, 4^4\})$	4915200
28	$\mathcal{O}(2; \{2, 7^3, 14\})$	107180640
28	$\mathcal{O}(2; \{2, 4, 7, 14, 28\})$	36879360
28	$\mathcal{O}(1; \{2^{12}\})$	576
28	$\mathcal{O}(1; \{2^9, 4^2\})$	1536
28	$\mathcal{O}(1; \{2^6, 4^4\})$	6144
28	$\mathcal{O}(1; \{2^3, 4^6\})$	24576
28	$\mathcal{O}(1; \{4^8\})$	98304
28	$\mathcal{O}(1; \{7^7\})$	23514120
28	$\mathcal{O}(1; \{2^5, 7^3, 14\})$	109368
28	$\mathcal{O}(1; \{2^2, 4^2, 7^3, 14\})$	291648
28	$\mathcal{O}(1; \{2^3, 7^2, 14^3\})$	652680
28	$\mathcal{O}(1; \{4^2, 7^2, 14^3\})$	1740480
28	$\mathcal{O}(1; \{2, 7, 14^5\})$	3919608
28	$\mathcal{O}(1; \{4, 7^5, 28\})$	10452288
28	$\mathcal{O}(1; \{2^5, 4, 7, 14, 28\})$	47040
28	$\mathcal{O}(1; \{2^2, 4^3, 7, 14, 28\})$	188160
28	$\mathcal{O}(1; \{2^3, 4, 14^3, 28\})$	291648
28	$\mathcal{O}(1; \{4^3, 14^3, 28\})$	1166592

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(1; \{2^3, 7^3, 28^2\})$	1740480
28	$\mathcal{O}(1; \{4^2, 7^3, 28^2\})$	6961920
28	$\mathcal{O}(1; \{2, 7^2, 14^2, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2^3, 4, 7, 28^3\})$	1166592
28	$\mathcal{O}(1; \{4^3, 7, 28^3\})$	4666368
28	$\mathcal{O}(1; \{2, 4, 14^2, 28^3\})$	6961920
28	$\mathcal{O}(0; \{2, 4^2, 7^3\})$	79980
28	$\mathcal{O}(0; \{2^6, 4^2, 7^3, 14\})$	372
28	$\mathcal{O}(0; \{2^3, 4^4, 7^3, 14\})$	1488
28	$\mathcal{O}(0; \{4^6, 7^3, 14\})$	5952
28	$\mathcal{O}(0; \{2^4, 4^2, 7^2, 14^3\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 7^2, 14^3\})$	8880
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14^5\})$	13332
28	$\mathcal{O}(0; \{4^2, 14^7\})$	79980
28	$\mathcal{O}(0; \{2^4, 4, 7^5, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 7^5, 28\})$	53328
28	$\mathcal{O}(0; \{2^9, 4, 7, 14, 28\})$	60
28	$\mathcal{O}(0; \{2^6, 4^3, 7, 14, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 4^5, 7, 14, 28\})$	960
28	$\mathcal{O}(0; \{4^7, 7, 14, 28\})$	3840
28	$\mathcal{O}(0; \{2^2, 4, 7^4, 14^2, 28\})$	79980
28	$\mathcal{O}(0; \{2^7, 4, 14^3, 28\})$	372
28	$\mathcal{O}(0; \{2^4, 4^3, 14^3, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4^5, 14^3, 28\})$	5952
28	$\mathcal{O}(0; \{4, 7^3, 14^4, 28\})$	479892
28	$\mathcal{O}(0; \{2^7, 7^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^4, 4^2, 7^3, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 4^4, 7^3, 28^2\})$	35520
28	$\mathcal{O}(0; \{7^6, 14, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^5, 7^2, 14^2, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 14^2, 28^2\})$	53328
28	$\mathcal{O}(0; \{2^3, 7, 14^4, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 7, 14^4, 28^2\})$	319920
28	$\mathcal{O}(0; \{2, 14^6, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^7, 4, 7, 28^3\})$	1488
28	$\mathcal{O}(0; \{2^4, 4^3, 7, 28^3\})$	5952
28	$\mathcal{O}(0; \{2, 4^5, 7, 28^3\})$	23808
28	$\mathcal{O}(0; \{4, 7^4, 14, 28^3\})$	1919568
28	$\mathcal{O}(0; \{2^5, 4, 14^2, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^2, 4^3, 14^2, 28^3\})$	35520
28	$\mathcal{O}(0; \{2^3, 7^2, 14, 28^4\})$	319920
28	$\mathcal{O}(0; \{4^2, 7^2, 14, 28^4\})$	1279680
28	$\mathcal{O}(0; \{2, 7, 14^3, 28^4\})$	1919568

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^3, 4, 14, 28^5\})$	213312
28	$\mathcal{O}(0; \{4^3, 14, 28^5\})$	853248
28	$\mathcal{O}(0; \{2, 7^2, 28^6\})$	7678272
28	$\mathcal{O}(0; \{2, 4, 28^7\})$	5118720
29	$\mathcal{O}(1; \{29^6\})$	13974819628
30	$\mathcal{O}(3; \{5^2\})$	2866500000
30	$\mathcal{O}(2; \{2^4, 5^2\})$	3200000
30	$\mathcal{O}(2; \{3^3, 5^2\})$	6075000
30	$\mathcal{O}(2; \{2, 3, 5^2, 6\})$	6480000
30	$\mathcal{O}(2; \{2^2, 5, 10^2\})$	9600000
30	$\mathcal{O}(2; \{10^4\})$	41600000
30	$\mathcal{O}(2; \{6, 10, 15^2\})$	19440000
30	$\mathcal{O}(2; \{5, 15^3\})$	78975000
30	$\mathcal{O}(2; \{2, 3^2, 5, 30\})$	6480000
30	$\mathcal{O}(2; \{2^2, 5, 6, 30\})$	6480000
30	$\mathcal{O}(2; \{6, 10^2, 30\})$	19440000
30	$\mathcal{O}(2; \{5, 10, 15, 30\})$	84240000
30	$\mathcal{O}(2; \{2^2, 3, 30^2\})$	6480000
30	$\mathcal{O}(2; \{6^2, 30^2\})$	19440000
30	$\mathcal{O}(1; \{2^8, 5^2\})$	3200
30	$\mathcal{O}(1; \{2^4, 3^3, 5^2\})$	7200
30	$\mathcal{O}(1; \{3^6, 5^2\})$	59400
30	$\mathcal{O}(1; \{5^7\})$	1965600
30	$\mathcal{O}(1; \{2^5, 3, 5^2, 6\})$	7200
30	$\mathcal{O}(1; \{2, 3^4, 5^2, 6\})$	36000
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 6^2\})$	21600
30	$\mathcal{O}(1; \{2^3, 5^2, 6^3\})$	7200
30	$\mathcal{O}(1; \{3, 5^2, 6^4\})$	36000
30	$\mathcal{O}(1; \{2^3, 5^4, 10\})$	163200
30	$\mathcal{O}(1; \{3, 5^4, 6, 10\})$	367200
30	$\mathcal{O}(1; \{2^6, 5, 10^2\})$	9600
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 10^2\})$	21600
30	$\mathcal{O}(1; \{2^3, 3, 5, 6, 10^2\})$	21600
30	$\mathcal{O}(1; \{3^2, 5, 6^2, 10^2\})$	64800
30	$\mathcal{O}(1; \{2, 5, 6^3, 10^2\})$	21600
30	$\mathcal{O}(1; \{2, 5^3, 10^3\})$	656000
30	$\mathcal{O}(1; \{2^4, 10^4\})$	41600
30	$\mathcal{O}(1; \{3^3, 10^4\})$	93600
30	$\mathcal{O}(1; \{2, 3, 6, 10^4\})$	93600
30	$\mathcal{O}(1; \{3, 5^5, 15\})$	1107000
30	$\mathcal{O}(1; \{2^3, 3, 5^2, 10, 15\})$	93600
30	$\mathcal{O}(1; \{3^2, 5^2, 6, 10, 15\})$	280800
30	$\mathcal{O}(1; \{2, 5^2, 6^2, 10, 15\})$	93600

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2, 3, 5, 10^3, 15\})$	367200
30	$\mathcal{O}(1; \{3^2, 5^3, 15^2\})$	826200
30	$\mathcal{O}(1; \{2, 5^3, 6, 15^2\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 10, 15^2\})$	64800
30	$\mathcal{O}(1; \{2^4, 6, 10, 15^2\})$	21600
30	$\mathcal{O}(1; \{3^3, 6, 10, 15^2\})$	237600
30	$\mathcal{O}(1; \{2, 3, 6^2, 10, 15^2\})$	108000
30	$\mathcal{O}(1; \{2^4, 5, 15^3\})$	93600
30	$\mathcal{O}(1; \{3^3, 5, 15^3\})$	772200
30	$\mathcal{O}(1; \{2, 3, 5, 6, 15^3\})$	468000
30	$\mathcal{O}(1; \{2^2, 10^2, 15^3\})$	367200
30	$\mathcal{O}(1; \{15^6\})$	12177000
30	$\mathcal{O}(1; \{2^5, 3^2, 5, 30\})$	7200
30	$\mathcal{O}(1; \{2, 3^5, 5, 30\})$	79200
30	$\mathcal{O}(1; \{2^6, 5, 6, 30\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 6, 30\})$	36000
30	$\mathcal{O}(1; \{2^3, 3, 5, 6^2, 30\})$	21600
30	$\mathcal{O}(1; \{3^2, 5, 6^3, 30\})$	79200
30	$\mathcal{O}(1; \{2, 5, 6^4, 30\})$	36000
30	$\mathcal{O}(1; \{3^2, 5^3, 10, 30\})$	367200
30	$\mathcal{O}(1; \{2, 5^3, 6, 10, 30\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{2^4, 6, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{3^3, 6, 10^2, 30\})$	108000
30	$\mathcal{O}(1; \{2, 3, 6^2, 10^2, 30\})$	64800
30	$\mathcal{O}(1; \{2, 5^4, 15, 30\})$	1476000
30	$\mathcal{O}(1; \{2^4, 5, 10, 15, 30\})$	93600
30	$\mathcal{O}(1; \{3^3, 5, 10, 15, 30\})$	468000
30	$\mathcal{O}(1; \{2, 3, 5, 6, 10, 15, 30\})$	280800
30	$\mathcal{O}(1; \{2^2, 10^3, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2, 3, 5^2, 15^2, 30\})$	1101600
30	$\mathcal{O}(1; \{2, 3^2, 15^3, 30\})$	1029600
30	$\mathcal{O}(1; \{2^2, 6, 15^3, 30\})$	468000
30	$\mathcal{O}(1; \{10, 15^4, 30\})$	7380000
30	$\mathcal{O}(1; \{2^6, 3, 30^2\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^4, 30^2\})$	79200
30	$\mathcal{O}(1; \{2^3, 3^2, 6, 30^2\})$	36000
30	$\mathcal{O}(1; \{2^4, 6^2, 30^2\})$	21600
30	$\mathcal{O}(1; \{3^3, 6^2, 30^2\})$	151200
30	$\mathcal{O}(1; \{2, 3, 6^3, 30^2\})$	79200
30	$\mathcal{O}(1; \{2, 3, 5^2, 10, 30^2\})$	367200
30	$\mathcal{O}(1; \{2, 3^2, 10, 15, 30^2\})$	468000
30	$\mathcal{O}(1; \{2^2, 6, 10, 15, 30^2\})$	280800

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^2, 5, 15^2, 30^2\})$	1101600
30	$\mathcal{O}(1; \{10^2, 15^2, 30^2\})$	4428000
30	$\mathcal{O}(1; \{2^2, 5, 10, 30^3\})$	367200
30	$\mathcal{O}(1; \{10^3, 30^3\})$	1476000
30	$\mathcal{O}(1; \{6, 15^2, 30^3\})$	4039200
30	$\mathcal{O}(1; \{6, 10, 30^4\})$	1836000
30	$\mathcal{O}(1; \{5, 15, 30^4\})$	7380000
30	$\mathcal{O}(0; \{2^8, 3^3, 5^2\})$	8
30	$\mathcal{O}(0; \{2^4, 3^6, 5^2\})$	88
30	$\mathcal{O}(0; \{2^9, 3, 5^2, 6\})$	8
30	$\mathcal{O}(0; \{2^5, 3^4, 5^2, 6\})$	40
30	$\mathcal{O}(0; \{2, 3^7, 5^2, 6\})$	344
30	$\mathcal{O}(0; \{2, 3, 5^7, 6\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 6^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 6^2\})$	168
30	$\mathcal{O}(0; \{2^7, 5^2, 6^3\})$	8
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6^3\})$	88
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^4\})$	40
30	$\mathcal{O}(0; \{3^4, 5^2, 6^4\})$	344
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^5\})$	168
30	$\mathcal{O}(0; \{2^2, 5^2, 6^6\})$	88
30	$\mathcal{O}(0; \{2^3, 3^3, 5^4, 10\})$	408
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 6, 10\})$	408
30	$\mathcal{O}(0; \{3^4, 5^4, 6, 10\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6^2, 10\})$	1224
30	$\mathcal{O}(0; \{2^2, 5^4, 6^3, 10\})$	408
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 10^2\})$	264
30	$\mathcal{O}(0; \{2^7, 3, 5, 6, 10^2\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6, 10^2\})$	120
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^2, 10^2\})$	72
30	$\mathcal{O}(0; \{3^5, 5, 6^2, 10^2\})$	504
30	$\mathcal{O}(0; \{2^5, 5, 6^3, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^3, 10^2\})$	264
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^4, 10^2\})$	120
30	$\mathcal{O}(0; \{5, 6^6, 10^2\})$	264
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 10^3\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 10^3\})$	1640
30	$\mathcal{O}(0; \{5^3, 6^3, 10^3\})$	1640
30	$\mathcal{O}(0; \{2^4, 3^3, 10^4\})$	104
30	$\mathcal{O}(0; \{3^6, 10^4\})$	1144
30	$\mathcal{O}(0; \{2^5, 3, 6, 10^4\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 6, 10^4\})$	520

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10^4\})$	312
30	$\mathcal{O}(0; \{2^3, 6^3, 10^4\})$	104
30	$\mathcal{O}(0; \{3, 6^4, 10^4\})$	520
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^5\})$	6552
30	$\mathcal{O}(0; \{2^4, 3, 5^5, 15\})$	1640
30	$\mathcal{O}(0; \{2, 3^2, 5^5, 6, 15\})$	4920
30	$\mathcal{O}(0; \{2^2, 5^5, 6^2, 15\})$	1640
30	$\mathcal{O}(0; \{2^7, 3, 5^2, 10, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5^2, 10, 15\})$	520
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 6, 10, 15\})$	312
30	$\mathcal{O}(0; \{3^5, 5^2, 6, 10, 15\})$	2184
30	$\mathcal{O}(0; \{2^5, 5^2, 6^2, 10, 15\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6^2, 10, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^3, 10, 15\})$	520
30	$\mathcal{O}(0; \{5^2, 6^5, 10, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 10^2, 15\})$	6552
30	$\mathcal{O}(0; \{5^4, 6^2, 10^2, 15\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 5, 10^3, 15\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5, 10^3, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10^3, 15\})$	1224
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 10^3, 15\})$	408
30	$\mathcal{O}(0; \{3, 5, 6^3, 10^3, 15\})$	2040
30	$\mathcal{O}(0; \{3, 5^3, 10^4, 15\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 10^5, 15\})$	1640
30	$\mathcal{O}(0; \{3^2, 6, 10^5, 15\})$	4920
30	$\mathcal{O}(0; \{2, 6^2, 10^5, 15\})$	1640
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 15^2\})$	1224
30	$\mathcal{O}(0; \{2^5, 5^3, 6, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^2, 15^2\})$	2040
30	$\mathcal{O}(0; \{5^3, 6^4, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^7, 3^2, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{2^3, 3^5, 10, 15^2\})$	504
30	$\mathcal{O}(0; \{2^8, 6, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{3^6, 6, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{5^5, 6, 10, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 10, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 10, 15^2\})$	504
30	$\mathcal{O}(0; \{2^3, 6^4, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{3, 6^5, 10, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10^2, 15^2\})$	4920

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 10^2, 15^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10^2, 15^2\})$	8200
30	$\mathcal{O}(0; \{3^2, 5, 10^4, 15^2\})$	19656
30	$\mathcal{O}(0; \{2, 5, 6, 10^4, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^8, 5, 15^3\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 15^3\})$	1144
30	$\mathcal{O}(0; \{2^5, 3, 5, 6, 15^3\})$	520
30	$\mathcal{O}(0; \{2, 3^4, 5, 6, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^2, 15^3\})$	2184
30	$\mathcal{O}(0; \{2^3, 5, 6^3, 15^3\})$	1144
30	$\mathcal{O}(0; \{3, 5, 6^4, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^3, 5^3, 10, 15^3\})$	6552
30	$\mathcal{O}(0; \{3, 5^3, 6, 10, 15^3\})$	32760
30	$\mathcal{O}(0; \{2^6, 10^2, 15^3\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 10^2, 15^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^2, 15^3\})$	2040
30	$\mathcal{O}(0; \{3^2, 6^2, 10^2, 15^3\})$	8568
30	$\mathcal{O}(0; \{2, 6^3, 10^2, 15^3\})$	4488
30	$\mathcal{O}(0; \{2, 5^2, 10^3, 15^3\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 5, 10, 15^4\})$	8200
30	$\mathcal{O}(0; \{3^2, 5, 6, 10, 15^4\})$	34440
30	$\mathcal{O}(0; \{2, 5, 6^2, 10, 15^4\})$	18040
30	$\mathcal{O}(0; \{2, 3, 10^3, 15^4\})$	32760
30	$\mathcal{O}(0; \{2, 5^2, 6, 15^5\})$	72072
30	$\mathcal{O}(0; \{2^4, 15^6\})$	18040
30	$\mathcal{O}(0; \{2, 3, 6, 15^6\})$	70520
30	$\mathcal{O}(0; \{2^9, 3^2, 5, 30\})$	8
30	$\mathcal{O}(0; \{2^5, 3^5, 5, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^8, 5, 30\})$	680
30	$\mathcal{O}(0; \{2, 3^2, 5^6, 30\})$	6552
30	$\mathcal{O}(0; \{2^{10}, 5, 6, 30\})$	8
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 6, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 6, 30\})$	344
30	$\mathcal{O}(0; \{2^2, 5^6, 6, 30\})$	6552
30	$\mathcal{O}(0; \{2^7, 3, 5, 6^2, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6^2, 30\})$	168
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^3, 30\})$	88
30	$\mathcal{O}(0; \{3^5, 5, 6^3, 30\})$	680
30	$\mathcal{O}(0; \{2^5, 5, 6^4, 30\})$	40
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^4, 30\})$	344
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^5, 30\})$	168
30	$\mathcal{O}(0; \{5, 6^7, 30\})$	344
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 10, 30\})$	408

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^5, 5^3, 10, 30\})$	4488
30	$\mathcal{O}(0; \{2^5, 5^3, 6, 10, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6, 10, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^2, 10, 30\})$	1224
30	$\mathcal{O}(0; \{5^3, 6^4, 10, 30\})$	2040
30	$\mathcal{O}(0; \{2^7, 3^2, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^5, 10^2, 30\})$	264
30	$\mathcal{O}(0; \{2^8, 6, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{3^6, 6, 10^2, 30\})$	1032
30	$\mathcal{O}(0; \{5^5, 6, 10^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 10^2, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 10^2, 30\})$	264
30	$\mathcal{O}(0; \{2^3, 6^4, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{3, 6^5, 10^2, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10^3, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 10^3, 30\})$	1640
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10^3, 30\})$	4920
30	$\mathcal{O}(0; \{3^2, 5, 10^5, 30\})$	6552
30	$\mathcal{O}(0; \{2, 5, 6, 10^5, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 5^4, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^4, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 6, 15, 30\})$	4920
30	$\mathcal{O}(0; \{5^4, 6^3, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^8, 5, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 10, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^6, 5, 10, 15, 30\})$	4472
30	$\mathcal{O}(0; \{5^6, 10, 15, 30\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 5, 6, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^4, 5, 6, 10, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^2, 10, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^3, 5, 6^3, 10, 15, 30\})$	520
30	$\mathcal{O}(0; \{3, 5, 6^4, 10, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^3, 5^3, 10^2, 15, 30\})$	6552
30	$\mathcal{O}(0; \{3, 5^3, 6, 10^2, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2^6, 10^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 10^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^3, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3^2, 6^2, 10^3, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2, 6^3, 10^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5^2, 10^4, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 15^2, 30\})$	1224

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{3, 5^4, 10, 15^2, 30\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^2, 15^2, 30\})$	4920
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^2, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^2, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2, 3, 10^4, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{2^5, 3^2, 15^3, 30\})$	1144
30	$\mathcal{O}(0; \{2, 3^5, 15^3, 30\})$	8840
30	$\mathcal{O}(0; \{2^6, 6, 15^3, 30\})$	520
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 15^3, 30\})$	4472
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 15^3, 30\})$	2184
30	$\mathcal{O}(0; \{3^2, 6^3, 15^3, 30\})$	8840
30	$\mathcal{O}(0; \{2, 6^4, 15^3, 30\})$	4472
30	$\mathcal{O}(0; \{3^2, 5^2, 10, 15^3, 30\})$	72072
30	$\mathcal{O}(0; \{2, 5^2, 6, 10, 15^3, 30\})$	32760
30	$\mathcal{O}(0; \{2, 5^3, 15^4, 30\})$	131080
30	$\mathcal{O}(0; \{2^4, 10, 15^4, 30\})$	8200
30	$\mathcal{O}(0; \{3^3, 10, 15^4, 30\})$	70520
30	$\mathcal{O}(0; \{2, 3, 6, 10, 15^4, 30\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5, 15^5, 30\})$	137592
30	$\mathcal{O}(0; \{2^{10}, 3, 30^2\})$	8
30	$\mathcal{O}(0; \{2^6, 3^4, 30^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3^7, 30^2\})$	680
30	$\mathcal{O}(0; \{2^2, 3, 5^5, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^2, 6, 30^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3^5, 6, 30^2\})$	344
30	$\mathcal{O}(0; \{2^8, 6^2, 30^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 30^2\})$	168
30	$\mathcal{O}(0; \{3^6, 6^2, 30^2\})$	1368
30	$\mathcal{O}(0; \{5^5, 6^2, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^5, 3, 6^3, 30^2\})$	88
30	$\mathcal{O}(0; \{2, 3^4, 6^3, 30^2\})$	680
30	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 30^2\})$	344
30	$\mathcal{O}(0; \{2^3, 6^5, 30^2\})$	168
30	$\mathcal{O}(0; \{3, 6^6, 30^2\})$	680
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 10, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 10, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 10, 30^2\})$	1224
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 10, 30^2\})$	4488

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5^4, 10^2, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^3, 30^2\})$	1640
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^3, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^3, 30^2\})$	4920
30	$\mathcal{O}(0; \{2, 3, 10^5, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^3, 5^3, 6, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{3, 5^3, 6^2, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^5, 3^2, 10, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 3^5, 10, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^6, 6, 10, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 10, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 10, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{3^2, 6^3, 10, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2, 6^4, 10, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{3^2, 5^2, 10^2, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{2, 5^2, 6, 10^2, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^6, 5, 15^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 15^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 15^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{2, 5, 6^3, 15^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 5^3, 10, 15^2, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^4, 10^2, 15^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{3^3, 10^2, 15^2, 30^2\})$	34440
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15^3, 30^2\})$	72072
30	$\mathcal{O}(0; \{2^2, 15^5, 30^2\})$	137592
30	$\mathcal{O}(0; \{2^3, 5^4, 30^3\})$	6552
30	$\mathcal{O}(0; \{3, 5^4, 6, 30^3\})$	32760
30	$\mathcal{O}(0; \{2^6, 5, 10, 30^3\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10, 30^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10, 30^3\})$	2040
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10, 30^3\})$	8568
30	$\mathcal{O}(0; \{2, 5, 6^3, 10, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 5^3, 10^2, 30^3\})$	26216
30	$\mathcal{O}(0; \{2^4, 10^3, 30^3\})$	1640
30	$\mathcal{O}(0; \{3^3, 10^3, 30^3\})$	18040
30	$\mathcal{O}(0; \{2, 3, 6, 10^3, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 15, 30^3\})$	8200
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 10^2, 15, 30^3\})$	32760

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3^2, 15^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^4, 6, 15^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{3^3, 6, 15^2, 30^3\})$	34680
30	$\mathcal{O}(0; \{2, 3, 6^2, 15^2, 30^3\})$	17544
30	$\mathcal{O}(0; \{2^2, 10, 15^3, 30^3\})$	72072
30	$\mathcal{O}(0; \{3^2, 5^3, 30^4\})$	72072
30	$\mathcal{O}(0; \{2, 5^3, 6, 30^4\})$	32760
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 30^4\})$	4488
30	$\mathcal{O}(0; \{2^4, 6, 10, 30^4\})$	2040
30	$\mathcal{O}(0; \{3^3, 6, 10, 30^4\})$	17544
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 30^4\})$	8568
30	$\mathcal{O}(0; \{2^4, 5, 15, 30^4\})$	8200
30	$\mathcal{O}(0; \{3^3, 5, 15, 30^4\})$	70520
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15, 30^4\})$	34440
30	$\mathcal{O}(0; \{2^2, 10^2, 15, 30^4\})$	32760
30	$\mathcal{O}(0; \{15^4, 30^4\})$	1127288
30	$\mathcal{O}(0; \{2, 3, 5^2, 30^5\})$	72072
30	$\mathcal{O}(0; \{2, 3^2, 15, 30^5\})$	70520
30	$\mathcal{O}(0; \{2^2, 6, 15, 30^5\})$	34440
30	$\mathcal{O}(0; \{10, 15^2, 30^5\})$	550536
30	$\mathcal{O}(0; \{2^2, 5, 30^6\})$	72072
30	$\mathcal{O}(0; \{10^2, 30^6\})$	288376
30	$\mathcal{O}(0; \{6, 30^7\})$	281736
32	$\mathcal{O}(2; \{2^3, 8^2\})$	3932160
32	$\mathcal{O}(2; \{4^2, 8^2\})$	15728640
32	$\mathcal{O}(2; \{2, 8, 16^2\})$	31457280
32	$\mathcal{O}(1; \{2^7, 8^2\})$	3072
32	$\mathcal{O}(1; \{2^4, 4^2, 8^2\})$	12288
32	$\mathcal{O}(1; \{2, 4^4, 8^2\})$	49152
32	$\mathcal{O}(1; \{2^2, 4, 8^4\})$	98304
32	$\mathcal{O}(1; \{8^6\})$	786432
32	$\mathcal{O}(1; \{2^5, 8, 16^2\})$	24576
32	$\mathcal{O}(1; \{2^2, 4^2, 8, 16^2\})$	98304
32	$\mathcal{O}(1; \{4, 8^3, 16^2\})$	786432
32	$\mathcal{O}(1; \{2^3, 16^4\})$	393216
32	$\mathcal{O}(1; \{4^2, 16^4\})$	1572864
32	$\mathcal{O}(1; \{2^3, 8, 16, 32^2\})$	524288
32	$\mathcal{O}(1; \{4^2, 8, 16, 32^2\})$	2097152
32	$\mathcal{O}(1; \{2, 16^3, 32^2\})$	8388608
32	$\mathcal{O}(1; \{2, 8, 32^4\})$	16777216
32	$\mathcal{O}(0; \{2^7, 8, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{2^4, 4^2, 8, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{2, 4^4, 8, 16, 32^2\})$	8192

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(0; \{2^2, 4, 8^3, 16, 32^2\})$	16384
32	$\mathcal{O}(0; \{8^5, 16, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^5, 16^3, 32^2\})$	8192
32	$\mathcal{O}(0; \{2^2, 4^2, 16^3, 32^2\})$	32768
32	$\mathcal{O}(0; \{4, 8^2, 16^3, 32^2\})$	262144
32	$\mathcal{O}(0; \{2^5, 8, 32^4\})$	16384
32	$\mathcal{O}(0; \{2^2, 4^2, 8, 32^4\})$	65536
32	$\mathcal{O}(0; \{4, 8^3, 32^4\})$	524288
32	$\mathcal{O}(0; \{2^3, 16^2, 32^4\})$	262144
32	$\mathcal{O}(0; \{4^2, 16^2, 32^4\})$	1048576
32	$\mathcal{O}(0; \{2, 16, 32^6\})$	8388608
33	$\mathcal{O}(1; \{3^2, 11^2, 33^2\})$	5945940
33	$\mathcal{O}(0; \{3, 11^6, 33\})$	1818180
33	$\mathcal{O}(0; \{3^5, 11^2, 33^2\})$	38220
33	$\mathcal{O}(0; \{3^2, 11, 33^5\})$	3818220
34	$\mathcal{O}(2; \{2^2, 34^2\})$	21381376
34	$\mathcal{O}(1; \{2^6, 34^2\})$	18496
34	$\mathcal{O}(0; \{2^{10}, 34^2\})$	16
35	$\mathcal{O}(2; \{7, 35^2\})$	180075000
35	$\mathcal{O}(1; \{5^6\})$	984000
35	$\mathcal{O}(0; \{5^3, 7^4, 35\})$	57720
35	$\mathcal{O}(0; \{5^5, 7, 35^2\})$	98280
35	$\mathcal{O}(0; \{35^7\})$	131007240
36	$\mathcal{O}(2; \{3^4\})$	9331200
36	$\mathcal{O}(2; \{2, 3^2, 6\})$	3110400
36	$\mathcal{O}(2; \{2^2, 6^2\})$	3110400
36	$\mathcal{O}(2; \{9^3\})$	28343520
36	$\mathcal{O}(2; \{6, 12^2\})$	6635520
36	$\mathcal{O}(2; \{6, 9, 18\})$	18895680
36	$\mathcal{O}(2; \{4, 18, 36\})$	20155392
36	$\mathcal{O}(1; \{2^4, 3^4\})$	5184
36	$\mathcal{O}(1; \{3^7\})$	36288
36	$\mathcal{O}(1; \{2, 3^4, 4^2\})$	13824
36	$\mathcal{O}(1; \{2^5, 3^2, 6\})$	1728
36	$\mathcal{O}(1; \{2, 3^5, 6\})$	19008
36	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6\})$	4608
36	$\mathcal{O}(1; \{2^6, 6^2\})$	1728
36	$\mathcal{O}(1; \{2^2, 3^3, 6^2\})$	8640
36	$\mathcal{O}(1; \{2^3, 4^2, 6^2\})$	4608
36	$\mathcal{O}(1; \{4^4, 6^2\})$	18432
36	$\mathcal{O}(1; \{2^3, 3, 6^3\})$	5184
36	$\mathcal{O}(1; \{3, 4^2, 6^3\})$	13824
36	$\mathcal{O}(1; \{3^2, 6^4\})$	19008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{2, 6^5\})$	8640
36	$\mathcal{O}(1; \{2^4, 9^3\})$	17496
36	$\mathcal{O}(1; \{3^3, 9^3\})$	139968
36	$\mathcal{O}(1; \{2, 4^2, 9^3\})$	46656
36	$\mathcal{O}(1; \{2, 3, 6, 9^3\})$	69984
36	$\mathcal{O}(1; \{2^2, 3^3, 4, 12\})$	13824
36	$\mathcal{O}(1; \{2^3, 3, 4, 6, 12\})$	4608
36	$\mathcal{O}(1; \{3, 4^3, 6, 12\})$	18432
36	$\mathcal{O}(1; \{3^2, 4, 6^2, 12\})$	23040
36	$\mathcal{O}(1; \{2, 4, 6^3, 12\})$	13824
36	$\mathcal{O}(1; \{2^3, 3^2, 12^2\})$	13824
36	$\mathcal{O}(1; \{3^2, 4^2, 12^2\})$	55296
36	$\mathcal{O}(1; \{2^4, 6, 12^2\})$	4608
36	$\mathcal{O}(1; \{3^3, 6, 12^2\})$	50688
36	$\mathcal{O}(1; \{2, 4^2, 6, 12^2\})$	18432
36	$\mathcal{O}(1; \{2, 3, 6^2, 12^2\})$	23040
36	$\mathcal{O}(1; \{2, 3, 4, 12^3\})$	55296
36	$\mathcal{O}(1; \{2^2, 12^4\})$	55296
36	$\mathcal{O}(1; \{2^3, 3^2, 9, 18\})$	23328
36	$\mathcal{O}(1; \{3^2, 4^2, 9, 18\})$	62208
36	$\mathcal{O}(1; \{2^4, 6, 9, 18\})$	11664
36	$\mathcal{O}(1; \{3^3, 6, 9, 18\})$	93312
36	$\mathcal{O}(1; \{2, 4^2, 6, 9, 18\})$	31104
36	$\mathcal{O}(1; \{2, 3, 6^2, 9, 18\})$	46656
36	$\mathcal{O}(1; \{2, 3, 4, 9, 12, 18\})$	62208
36	$\mathcal{O}(1; \{2^2, 9, 12^2, 18\})$	62208
36	$\mathcal{O}(1; \{2^2, 9^2, 18^2\})$	157464
36	$\mathcal{O}(1; \{2, 3^2, 18^3\})$	69984
36	$\mathcal{O}(1; \{2^2, 6, 18^3\})$	34992
36	$\mathcal{O}(1; \{12^2, 18^3\})$	186624
36	$\mathcal{O}(1; \{9, 18^4\})$	787320
36	$\mathcal{O}(1; \{2, 3, 4, 9^2, 36\})$	93312
36	$\mathcal{O}(1; \{2^2, 9^2, 12, 36\})$	93312
36	$\mathcal{O}(1; \{2^4, 4, 18, 36\})$	15552
36	$\mathcal{O}(1; \{3^3, 4, 18, 36\})$	124416
36	$\mathcal{O}(1; \{2, 4^3, 18, 36\})$	62208
36	$\mathcal{O}(1; \{2, 3, 4, 6, 18, 36\})$	62208
36	$\mathcal{O}(1; \{2, 3^2, 12, 18, 36\})$	124416
36	$\mathcal{O}(1; \{2^2, 6, 12, 18, 36\})$	62208
36	$\mathcal{O}(1; \{12^3, 18, 36\})$	497664
36	$\mathcal{O}(1; \{9, 12, 18^2, 36\})$	839808
36	$\mathcal{O}(1; \{2, 3^2, 9, 36^2\})$	186624
36	$\mathcal{O}(1; \{2^2, 6, 9, 36^2\})$	93312

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{9, 12^2, 36^2\})$	746496
36	$\mathcal{O}(1; \{9^2, 18, 36^2\})$	2099520
36	$\mathcal{O}(1; \{6, 18^2, 36^2\})$	839808
36	$\mathcal{O}(1; \{2^2, 4, 36^3\})$	186624
36	$\mathcal{O}(1; \{6, 12, 36^3\})$	746496
36	$\mathcal{O}(0; \{2^5, 4^2, 9^3\})$	36
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 9^3\})$	288
36	$\mathcal{O}(0; \{2^2, 4^4, 9^3\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 9^3\})$	144
36	$\mathcal{O}(0; \{4^2, 6^3, 9^3\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9^3, 12\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6, 9^3, 12\})$	144
36	$\mathcal{O}(0; \{4^3, 6, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^2, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 9^3, 12^2\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 9^3, 12^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 6, 9^3, 12^2\})$	1152
36	$\mathcal{O}(0; \{2, 6^2, 9^3, 12^2\})$	576
36	$\mathcal{O}(0; \{2, 4, 9^3, 12^3\})$	1152
36	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 9, 18\})$	48
36	$\mathcal{O}(0; \{3^5, 4^2, 9, 18\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4^4, 9, 18\})$	192
36	$\mathcal{O}(0; \{2^5, 4^2, 6, 9, 18\})$	24
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 9, 18\})$	192
36	$\mathcal{O}(0; \{2^2, 4^4, 6, 9, 18\})$	96
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 9, 18\})$	96
36	$\mathcal{O}(0; \{4^2, 6^4, 9, 18\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 9^4, 18\})$	3240
36	$\mathcal{O}(0; \{2^5, 3, 4, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{2, 3^4, 4, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{4^3, 6^2, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{3, 4, 6^3, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2, 4, 9^4, 12, 18\})$	3240
36	$\mathcal{O}(0; \{2^6, 9, 12^2, 18\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{4^4, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{3^2, 6^2, 9, 12^2, 18\})$	768

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 6^3, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 9, 12^3, 18\})$	1536
36	$\mathcal{O}(0; \{2, 4, 6, 9, 12^3, 18\})$	768
36	$\mathcal{O}(0; \{2, 3, 9, 12^4, 18\})$	1536
36	$\mathcal{O}(0; \{2^3, 4^2, 9^2, 18^2\})$	324
36	$\mathcal{O}(0; \{4^4, 9^2, 18^2\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^2, 18^2\})$	1296
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 12, 18^2\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 12, 18^2\})$	1296
36	$\mathcal{O}(0; \{2, 3, 9^2, 12^2, 18^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 18^3\})$	144
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 18^3\})$	72
36	$\mathcal{O}(0; \{4^4, 6, 18^3\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 18^3\})$	288
36	$\mathcal{O}(0; \{2^3, 3, 4, 12, 18^3\})$	144
36	$\mathcal{O}(0; \{3, 4^3, 12, 18^3\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 6, 12, 18^3\})$	576
36	$\mathcal{O}(0; \{2, 4, 6^2, 12, 18^3\})$	288
36	$\mathcal{O}(0; \{2^4, 12^2, 18^3\})$	144
36	$\mathcal{O}(0; \{3^3, 12^2, 18^3\})$	1152
36	$\mathcal{O}(0; \{2, 4^2, 12^2, 18^3\})$	576
36	$\mathcal{O}(0; \{2, 3, 6, 12^2, 18^3\})$	576
36	$\mathcal{O}(0; \{2, 4^2, 9, 18^4\})$	1620
36	$\mathcal{O}(0; \{2^5, 3, 4, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^4, 4, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{4^3, 6^2, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^3, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 9^5, 36\})$	10692
36	$\mathcal{O}(0; \{2^6, 9^2, 12, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 3^3, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 4^2, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{4^4, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2^3, 3, 6, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{3^2, 6^2, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2, 6^3, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 12^2, 36\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 12^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 9^2, 12^3, 36\})$	2304
36	$\mathcal{O}(0; \{2^8, 4, 18, 36\})$	12

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^4, 3^3, 4, 18, 36\})$	96
36	$\mathcal{O}(0; \{3^6, 4, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^5, 4^3, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 4^5, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^5, 3, 4, 6, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^4, 4, 6, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^3, 4, 6^3, 18, 36\})$	96
36	$\mathcal{O}(0; \{4^3, 6^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{3, 4, 6^4, 18, 36\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 9^3, 18, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 6, 9^3, 18, 36\})$	3240
36	$\mathcal{O}(0; \{2^5, 3^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^5, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^6, 6, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 6, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{4^4, 6, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6^2, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{3^2, 6^3, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 6^4, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2, 3, 9^3, 12, 18, 36\})$	6480
36	$\mathcal{O}(0; \{2^3, 3, 4, 12^2, 18, 36\})$	384
36	$\mathcal{O}(0; \{3, 4^3, 12^2, 18, 36\})$	1536
36	$\mathcal{O}(0; \{3^2, 4, 6, 12^2, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4, 6^2, 12^2, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^4, 12^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{3^3, 12^3, 18, 36\})$	3072
36	$\mathcal{O}(0; \{2, 4^2, 12^3, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2, 3, 6, 12^3, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{3, 4^3, 9, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{2^4, 9, 12, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{3^3, 9, 12, 18^2, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 9, 12, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2, 3, 4, 18^4, 36\})$	3240

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 12, 18^4, 36\})$	3240
36	$\mathcal{O}(0; \{2^5, 3^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^5, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^6, 6, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{2^2, 3^3, 6, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{4^4, 6, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 3, 6^2, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 6^3, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 6^4, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 9^4, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 12, 36^2\})$	576
36	$\mathcal{O}(0; \{3, 4^3, 9, 12, 36^2\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 12, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 12, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^4, 9, 12^2, 36^2\})$	576
36	$\mathcal{O}(0; \{3^3, 9, 12^2, 36^2\})$	4608
36	$\mathcal{O}(0; \{2, 4^2, 9, 12^2, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12^2, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^4, 9^2, 18, 36^2\})$	1620
36	$\mathcal{O}(0; \{3^3, 9^2, 18, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 4^2, 9^2, 18, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 3, 6, 9^2, 18, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^3, 3^2, 18^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{3^2, 4^2, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^4, 6, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{3^3, 6, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 6, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6^2, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2, 3, 4, 12, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 12^2, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 9, 18^3, 36^2\})$	10692
36	$\mathcal{O}(0; \{18^5, 36^2\})$	61236
36	$\mathcal{O}(0; \{2^6, 4, 36^3\})$	144
36	$\mathcal{O}(0; \{2^2, 3^3, 4, 36^3\})$	1152
36	$\mathcal{O}(0; \{2^3, 4^3, 36^3\})$	576
36	$\mathcal{O}(0; \{4^5, 36^3\})$	2304
36	$\mathcal{O}(0; \{2^3, 3, 4, 6, 36^3\})$	576
36	$\mathcal{O}(0; \{3, 4^3, 6, 36^3\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 6^2, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6^3, 36^3\})$	1152

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3^2, 12, 36^3\})$	1152
36	$\mathcal{O}(0; \{3^2, 4^2, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{2^4, 6, 12, 36^3\})$	576
36	$\mathcal{O}(0; \{3^3, 6, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{2, 4^2, 6, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 3, 6^2, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 3, 4, 12^2, 36^3\})$	4608
36	$\mathcal{O}(0; \{2^2, 12^3, 36^3\})$	4608
36	$\mathcal{O}(0; \{2, 3, 4, 9, 18, 36^3\})$	12960
36	$\mathcal{O}(0; \{2^2, 9, 12, 18, 36^3\})$	12960
36	$\mathcal{O}(0; \{12, 18^3, 36^3\})$	85536
36	$\mathcal{O}(0; \{2^2, 9^2, 36^4\})$	42768
36	$\mathcal{O}(0; \{2, 3^2, 18, 36^4\})$	25920
36	$\mathcal{O}(0; \{2^2, 6, 18, 36^4\})$	12960
36	$\mathcal{O}(0; \{12^2, 18, 36^4\})$	103680
36	$\mathcal{O}(0; \{9, 18^2, 36^4\})$	244944
36	$\mathcal{O}(0; \{9, 12, 36^5\})$	342144
36	$\mathcal{O}(0; \{6, 36^6\})$	342144
38	$\mathcal{O}(2; \{2, 19, 38\})$	37532448
38	$\mathcal{O}(1; \{2^5, 19, 38\})$	25992
38	$\mathcal{O}(1; \{2^3, 38^3\})$	441864
38	$\mathcal{O}(0; \{2^9, 19, 38\})$	18
38	$\mathcal{O}(0; \{2^7, 38^3\})$	306
39	$\mathcal{O}(0; \{3, 13^4, 39^2\})$	459384
40	$\mathcal{O}(2; \{2, 5, 10\})$	9600000
40	$\mathcal{O}(1; \{2^2, 5^4\})$	62400
40	$\mathcal{O}(1; \{2^5, 5, 10\})$	4800
40	$\mathcal{O}(1; \{2^2, 4^2, 5, 10\})$	9600
40	$\mathcal{O}(1; \{4, 5, 8^2, 10\})$	51200
40	$\mathcal{O}(1; \{5^3, 10^2\})$	244800
40	$\mathcal{O}(1; \{2^3, 10^3\})$	14400
40	$\mathcal{O}(1; \{4^2, 10^3\})$	28800
40	$\mathcal{O}(1; \{4, 5^2, 10, 20\})$	124800
40	$\mathcal{O}(1; \{2^3, 5, 20^2\})$	28800
40	$\mathcal{O}(1; \{4^2, 5, 20^2\})$	115200
40	$\mathcal{O}(1; \{2, 10^2, 20^2\})$	124800
40	$\mathcal{O}(1; \{4, 5^2, 8, 40\})$	153600
40	$\mathcal{O}(1; \{2, 8, 10, 20, 40\})$	153600
40	$\mathcal{O}(1; \{2^3, 4, 40^2\})$	51200
40	$\mathcal{O}(1; \{4^3, 40^2\})$	204800
40	$\mathcal{O}(1; \{2, 8^2, 40^2\})$	409600
40	$\mathcal{O}(1; \{2, 5, 20, 40^2\})$	665600
40	$\mathcal{O}(0; \{2, 4, 5^4, 8^2\})$	416

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^4, 4, 5, 8^2, 10\})$	32
40	$\mathcal{O}(0; \{2, 4^3, 5, 8^2, 10\})$	128
40	$\mathcal{O}(0; \{2^2, 5, 8^4, 10\})$	256
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 10^3\})$	96
40	$\mathcal{O}(0; \{8^4, 10^3\})$	768
40	$\mathcal{O}(0; \{2^2, 5^2, 8^2, 10, 20\})$	416
40	$\mathcal{O}(0; \{5, 8^2, 10^3, 20\})$	1632
40	$\mathcal{O}(0; \{2^2, 4, 5, 8^2, 20^2\})$	384
40	$\mathcal{O}(0; \{5, 8^4, 20^2\})$	3072
40	$\mathcal{O}(0; \{4, 8^2, 10^2, 20^2\})$	1664
40	$\mathcal{O}(0; \{5^2, 8^2, 20^3\})$	6528
40	$\mathcal{O}(0; \{2^4, 4, 5^2, 8, 40\})$	96
40	$\mathcal{O}(0; \{2, 4^3, 5^2, 8, 40\})$	384
40	$\mathcal{O}(0; \{2^2, 5^2, 8^3, 40\})$	768
40	$\mathcal{O}(0; \{2^2, 4, 5, 8, 10^2, 40\})$	416
40	$\mathcal{O}(0; \{5, 8^3, 10^2, 40\})$	3328
40	$\mathcal{O}(0; \{4, 8, 10^4, 40\})$	1632
40	$\mathcal{O}(0; \{2^2, 5^3, 8, 20, 40\})$	1632
40	$\mathcal{O}(0; \{2^5, 8, 10, 20, 40\})$	96
40	$\mathcal{O}(0; \{2^2, 4^2, 8, 10, 20, 40\})$	384
40	$\mathcal{O}(0; \{4, 8^3, 10, 20, 40\})$	3072
40	$\mathcal{O}(0; \{5^2, 8, 10^2, 20, 40\})$	6560
40	$\mathcal{O}(0; \{4, 5, 8, 10, 20^2, 40\})$	6528
40	$\mathcal{O}(0; \{2^3, 8, 20^3, 40\})$	1664
40	$\mathcal{O}(0; \{4^2, 8, 20^3, 40\})$	6656
40	$\mathcal{O}(0; \{2^7, 4, 40^2\})$	32
40	$\mathcal{O}(0; \{2^4, 4^3, 40^2\})$	128
40	$\mathcal{O}(0; \{2, 4^5, 40^2\})$	512
40	$\mathcal{O}(0; \{2^5, 8^2, 40^2\})$	256
40	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 40^2\})$	1024
40	$\mathcal{O}(0; \{4, 8^4, 40^2\})$	8192
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 10, 40^2\})$	1632
40	$\mathcal{O}(0; \{5^2, 8^2, 10, 40^2\})$	13056
40	$\mathcal{O}(0; \{4, 5, 10^3, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^5, 5, 20, 40^2\})$	416
40	$\mathcal{O}(0; \{2^2, 4^2, 5, 20, 40^2\})$	1664
40	$\mathcal{O}(0; \{4, 5, 8^2, 20, 40^2\})$	13312
40	$\mathcal{O}(0; \{5^3, 10, 20, 40^2\})$	26208
40	$\mathcal{O}(0; \{2^3, 10^2, 20, 40^2\})$	1632
40	$\mathcal{O}(0; \{4^2, 10^2, 20, 40^2\})$	6528
40	$\mathcal{O}(0; \{4, 5^2, 20^2, 40^2\})$	26240
40	$\mathcal{O}(0; \{2, 10, 20^3, 40^2\})$	26240
40	$\mathcal{O}(0; \{5^3, 8, 40^3\})$	52480

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^3, 8, 10, 40^3\})$	3328
40	$\mathcal{O}(0; \{4^2, 8, 10, 40^3\})$	13312
40	$\mathcal{O}(0; \{2, 8, 20^2, 40^3\})$	52224
40	$\mathcal{O}(0; \{2^3, 5, 40^4\})$	13056
40	$\mathcal{O}(0; \{4^2, 5, 40^4\})$	52224
40	$\mathcal{O}(0; \{2, 10^2, 40^4\})$	52480
42	$\mathcal{O}(3; \emptyset)$	5395807872
42	$\mathcal{O}(2; \{2^4\})$	3072000
42	$\mathcal{O}(2; \{3^3\})$	5832000
42	$\mathcal{O}(2; \{2, 3, 6\})$	6220800
42	$\mathcal{O}(1; \{2^8\})$	1536
42	$\mathcal{O}(1; \{2^4, 3^3\})$	3456
42	$\mathcal{O}(1; \{3^6\})$	28512
42	$\mathcal{O}(1; \{2^5, 3, 6\})$	3456
42	$\mathcal{O}(1; \{2, 3^4, 6\})$	17280
42	$\mathcal{O}(1; \{2^2, 3^2, 6^2\})$	10368
42	$\mathcal{O}(1; \{2^3, 6^3\})$	3456
42	$\mathcal{O}(1; \{3, 6^4\})$	17280
42	$\mathcal{O}(1; \{2, 7^3, 14\})$	291648
42	$\mathcal{O}(1; \{3^2, 7^2, 21\})$	79380
42	$\mathcal{O}(1; \{2, 6, 7^2, 21\})$	105840
42	$\mathcal{O}(1; \{2, 3, 14, 21^2\})$	105840
42	$\mathcal{O}(1; \{2^3, 3, 7, 42\})$	21168
42	$\mathcal{O}(1; \{3^2, 6, 7, 42\})$	63504
42	$\mathcal{O}(1; \{2, 6^2, 7, 42\})$	21168
42	$\mathcal{O}(1; \{2, 3, 14^2, 42\})$	105840
42	$\mathcal{O}(0; \{2, 3^3, 7^3, 14\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 6, 7^3, 14\})$	372
42	$\mathcal{O}(0; \{6^3, 7^3, 14\})$	372
42	$\mathcal{O}(0; \{3, 6, 7^2, 14^3\})$	2220
42	$\mathcal{O}(0; \{2^4, 3^2, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{2^5, 6, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 7^2, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7^2, 21\})$	180
42	$\mathcal{O}(0; \{6^4, 7^2, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 3^2, 7, 14^2, 21\})$	372
42	$\mathcal{O}(0; \{2^3, 6, 7, 14^2, 21\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7, 14^2, 21\})$	1116
42	$\mathcal{O}(0; \{3^2, 14^4, 21\})$	2220
42	$\mathcal{O}(0; \{2, 6, 14^4, 21\})$	2220
42	$\mathcal{O}(0; \{2^5, 3, 14, 21^2\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 14, 21^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 14, 21^2\})$	300

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^3, 6^2, 14, 21^2\})$	180
42	$\mathcal{O}(0; \{3, 6^3, 14, 21^2\})$	660
42	$\mathcal{O}(0; \{2, 7^2, 14, 21^3\})$	13332
42	$\mathcal{O}(0; \{2, 6, 7, 21^4\})$	11100
42	$\mathcal{O}(0; \{2^7, 3, 7, 42\})$	12
42	$\mathcal{O}(0; \{2^3, 3^4, 7, 42\})$	60
42	$\mathcal{O}(0; \{2^4, 3^2, 6, 7, 42\})$	36
42	$\mathcal{O}(0; \{3^5, 6, 7, 42\})$	252
42	$\mathcal{O}(0; \{2^5, 6^2, 7, 42\})$	12
42	$\mathcal{O}(0; \{2, 3^3, 6^2, 7, 42\})$	132
42	$\mathcal{O}(0; \{2^2, 3, 6^3, 7, 42\})$	60
42	$\mathcal{O}(0; \{6^5, 7, 42\})$	132
42	$\mathcal{O}(0; \{3, 7^4, 14, 42\})$	13332
42	$\mathcal{O}(0; \{2^5, 3, 14^2, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 14^2, 42\})$	300
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 14^2, 42\})$	180
42	$\mathcal{O}(0; \{2^3, 6^2, 14^2, 42\})$	60
42	$\mathcal{O}(0; \{3, 6^3, 14^2, 42\})$	300
42	$\mathcal{O}(0; \{2^3, 7^3, 21, 42\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7^3, 21, 42\})$	6660
42	$\mathcal{O}(0; \{2, 7^2, 14^2, 21, 42\})$	13332
42	$\mathcal{O}(0; \{3^2, 7, 14, 21^2, 42\})$	11100
42	$\mathcal{O}(0; \{2, 6, 7, 14, 21^2, 42\})$	6660
42	$\mathcal{O}(0; \{2^3, 3, 21^3, 42\})$	1860
42	$\mathcal{O}(0; \{3^2, 6, 21^3, 42\})$	7812
42	$\mathcal{O}(0; \{2, 6^2, 21^3, 42\})$	4092
42	$\mathcal{O}(0; \{2^2, 3^2, 7^2, 42^2\})$	1116
42	$\mathcal{O}(0; \{2^3, 6, 7^2, 42^2\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7^2, 42^2\})$	1860
42	$\mathcal{O}(0; \{3^2, 7, 14^2, 42^2\})$	6660
42	$\mathcal{O}(0; \{2, 6, 7, 14^2, 42^2\})$	2220
42	$\mathcal{O}(0; \{2^3, 3, 14, 21, 42^2\})$	1116
42	$\mathcal{O}(0; \{3^2, 6, 14, 21, 42^2\})$	4092
42	$\mathcal{O}(0; \{2, 6^2, 14, 21, 42^2\})$	1860
42	$\mathcal{O}(0; \{2, 7^3, 42^3\})$	13332
42	$\mathcal{O}(0; \{2, 3, 21^2, 42^3\})$	24420
42	$\mathcal{O}(0; \{2, 3, 14, 42^4\})$	11100
43	$\mathcal{O}(1; \{43^4\})$	133804734
44	$\mathcal{O}(2; \{11^2\})$	35138400
44	$\mathcal{O}(1; \{2^4, 11^2\})$	14520
44	$\mathcal{O}(1; \{2, 4^2, 11^2\})$	38720
44	$\mathcal{O}(1; \{2^2, 11, 22^2\})$	130680
44	$\mathcal{O}(1; \{22^4\})$	1321320

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
44	$\mathcal{O}(1; \{11, 22, 44^2\})$	3523520
44	$\mathcal{O}(0; \{2^5, 4^2, 11^2\})$	20
44	$\mathcal{O}(0; \{2^2, 4^4, 11^2\})$	80
44	$\mathcal{O}(0; \{2^3, 4^2, 11, 22^2\})$	180
44	$\mathcal{O}(0; \{4^4, 11, 22^2\})$	720
44	$\mathcal{O}(0; \{2, 4^2, 22^4\})$	1820
44	$\mathcal{O}(0; \{2^4, 11, 22, 44^2\})$	1820
44	$\mathcal{O}(0; \{2, 4^2, 11, 22, 44^2\})$	7280
44	$\mathcal{O}(0; \{2^2, 22^3, 44^2\})$	18180
44	$\mathcal{O}(0; \{2^2, 11, 44^4\})$	72720
44	$\mathcal{O}(0; \{22^2, 44^4\})$	727280
45	$\mathcal{O}(1; \{3^2, 5^3\})$	43200
45	$\mathcal{O}(1; \{3^3, 5, 15\})$	43200
45	$\mathcal{O}(1; \{15^4\})$	561600
45	$\mathcal{O}(1; \{9, 15^2, 45\})$	583200
45	$\mathcal{O}(1; \{9^2, 45^2\})$	1312200
45	$\mathcal{O}(1; \{5, 45^3\})$	1895400
45	$\mathcal{O}(0; \{3, 5^3, 9^3\})$	432
45	$\mathcal{O}(0; \{3^2, 5, 9^3, 15\})$	576
45	$\mathcal{O}(0; \{3, 5^4, 9, 45\})$	2448
45	$\mathcal{O}(0; \{3^2, 5^2, 9, 15, 45\})$	2496
45	$\mathcal{O}(0; \{3^3, 9, 15^2, 45\})$	2304
45	$\mathcal{O}(0; \{3^3, 9^2, 45^2\})$	5184
45	$\mathcal{O}(0; \{3^3, 5, 45^3\})$	7488
45	$\mathcal{O}(0; \{15^3, 45^3\})$	118080
45	$\mathcal{O}(0; \{9, 15, 45^4\})$	330480
48	$\mathcal{O}(2; \{4^2\})$	9830400
48	$\mathcal{O}(1; \{2^4, 4^2\})$	3072
48	$\mathcal{O}(1; \{3^3, 4^2\})$	6912
48	$\mathcal{O}(1; \{2, 4^4\})$	12288
48	$\mathcal{O}(1; \{2, 3, 4^2, 6\})$	6912
48	$\mathcal{O}(1; \{2^2, 4, 8^2\})$	12288
48	$\mathcal{O}(1; \{8^4\})$	98304
48	$\mathcal{O}(1; \{2, 3^2, 4, 12\})$	6912
48	$\mathcal{O}(1; \{2^2, 4, 6, 12\})$	6912
48	$\mathcal{O}(1; \{6, 8^2, 12\})$	27648
48	$\mathcal{O}(1; \{2^2, 3, 12^2\})$	6912
48	$\mathcal{O}(1; \{6^2, 12^2\})$	20736
48	$\mathcal{O}(1; \{4, 12^3\})$	27648
48	$\mathcal{O}(1; \{4, 8, 16^2\})$	131072
48	$\mathcal{O}(1; \{2^2, 3, 8, 24\})$	13824
48	$\mathcal{O}(1; \{6^2, 8, 24\})$	13824
48	$\mathcal{O}(1; \{4, 8, 12, 24\})$	55296

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(1; \{3, 16^2, 24\})$	147456
48	$\mathcal{O}(1; \{4, 6, 24^2\})$	27648
48	$\mathcal{O}(1; \{3, 12, 24^2\})$	82944
48	$\mathcal{O}(1; \{4, 6, 16, 48\})$	73728
48	$\mathcal{O}(1; \{3, 12, 16, 48\})$	73728
48	$\mathcal{O}(1; \{3, 8, 48^2\})$	147456
48	$\mathcal{O}(0; \{3^3, 4, 8, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{2^2, 6, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{8, 12^3, 16^2\})$	512
48	$\mathcal{O}(0; \{6, 12, 16^4\})$	2048
48	$\mathcal{O}(0; \{2^4, 3, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{3^4, 16^2, 24\})$	320
48	$\mathcal{O}(0; \{2, 3, 4^2, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 6, 16^2, 24\})$	192
48	$\mathcal{O}(0; \{2^2, 6^2, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{2^2, 4, 12, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{8^2, 12, 16^2, 24\})$	2048
48	$\mathcal{O}(0; \{6, 12^2, 16^2, 24\})$	768
48	$\mathcal{O}(0; \{6, 8, 16^2, 24^2\})$	1024
48	$\mathcal{O}(0; \{4, 16^2, 24^3\})$	2048
48	$\mathcal{O}(0; \{2^3, 3^2, 4, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^2, 4^3, 16, 48\})$	128
48	$\mathcal{O}(0; \{2^4, 4, 6, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^3, 4, 6, 16, 48\})$	160
48	$\mathcal{O}(0; \{2, 4^3, 6, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3, 4, 6^2, 16, 48\})$	96
48	$\mathcal{O}(0; \{2, 3^2, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^2, 6, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^4, 3, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^4, 12, 16, 48\})$	352
48	$\mathcal{O}(0; \{2, 3, 4^2, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 6, 12, 16, 48\})$	160
48	$\mathcal{O}(0; \{2^2, 6^2, 12, 16, 48\})$	96
48	$\mathcal{O}(0; \{2^2, 4, 12^2, 16, 48\})$	128
48	$\mathcal{O}(0; \{8^2, 12^2, 16, 48\})$	1024
48	$\mathcal{O}(0; \{6, 12^3, 16, 48\})$	640
48	$\mathcal{O}(0; \{6, 8, 16^3, 48\})$	4096
48	$\mathcal{O}(0; \{2^2, 4, 8, 16, 24, 48\})$	512
48	$\mathcal{O}(0; \{8^3, 16, 24, 48\})$	4096
48	$\mathcal{O}(0; \{6, 8, 12, 16, 24, 48\})$	1536
48	$\mathcal{O}(0; \{4, 16^3, 24, 48\})$	8192

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2^2, 3, 16, 24^2, 48\})$	768
48	$\mathcal{O}(0; \{6^2, 16, 24^2, 48\})$	1280
48	$\mathcal{O}(0; \{4, 12, 16, 24^2, 48\})$	3072
48	$\mathcal{O}(0; \{2^4, 3, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{3^4, 8, 48^2\})$	704
48	$\mathcal{O}(0; \{2, 3, 4^2, 8, 48^2\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 6, 8, 48^2\})$	320
48	$\mathcal{O}(0; \{2^2, 6^2, 8, 48^2\})$	192
48	$\mathcal{O}(0; \{2^2, 4, 8, 12, 48^2\})$	256
48	$\mathcal{O}(0; \{8^3, 12, 48^2\})$	2048
48	$\mathcal{O}(0; \{6, 8, 12^2, 48^2\})$	1280
48	$\mathcal{O}(0; \{2^2, 3, 16^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{6^2, 16^2, 48^2\})$	3072
48	$\mathcal{O}(0; \{4, 12, 16^2, 48^2\})$	4096
48	$\mathcal{O}(0; \{2, 3^2, 4, 24, 48^2\})$	640
48	$\mathcal{O}(0; \{2^2, 4, 6, 24, 48^2\})$	384
48	$\mathcal{O}(0; \{6, 8^2, 24, 48^2\})$	3072
48	$\mathcal{O}(0; \{2^2, 3, 12, 24, 48^2\})$	640
48	$\mathcal{O}(0; \{6^2, 12, 24, 48^2\})$	1408
48	$\mathcal{O}(0; \{4, 12^2, 24, 48^2\})$	2560
48	$\mathcal{O}(0; \{4, 8, 24^2, 48^2\})$	6144
48	$\mathcal{O}(0; \{3, 24^3, 48^2\})$	11264
48	$\mathcal{O}(0; \{4, 8, 16, 48^3\})$	8192
48	$\mathcal{O}(0; \{3, 16, 24, 48^3\})$	20480
48	$\mathcal{O}(0; \{4, 6, 48^4\})$	10240
48	$\mathcal{O}(0; \{3, 12, 48^4\})$	22528
49	$\mathcal{O}(1; \{7^4\})$	437472
50	$\mathcal{O}(1; \{2, 10, 50^2\})$	200000
50	$\mathcal{O}(0; \{2^3, 25^3, 50\})$	6500
50	$\mathcal{O}(0; \{2^2, 5^3, 50^2\})$	1280
50	$\mathcal{O}(0; \{2^5, 10, 50^2\})$	80
50	$\mathcal{O}(0; \{5^2, 10^2, 50^2\})$	5120
50	$\mathcal{O}(0; \{2, 25^2, 50^3\})$	127500
51	$\mathcal{O}(1; \{3^2, 51^2\})$	249696
51	$\mathcal{O}(0; \{3^5, 51^2\})$	672
52	$\mathcal{O}(0; \{4^2, 13^3, 26\})$	3192
52	$\mathcal{O}(0; \{2, 13^3, 52^2\})$	38280
54	$\mathcal{O}(1; \{3^2, 9^2\})$	46656
54	$\mathcal{O}(1; \{2, 6, 9^2\})$	31104
54	$\mathcal{O}(1; \{2, 3, 27, 54\})$	104976
54	$\mathcal{O}(0; \{2, 6, 9, 27^3\})$	1944
54	$\mathcal{O}(0; \{2^5, 3, 27, 54\})$	36
54	$\mathcal{O}(0; \{2, 3^4, 27, 54\})$	288

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
54	$\mathcal{O}(0; \{2^2, 3^2, 6, 27, 54\})$	144
54	$\mathcal{O}(0; \{2^3, 6^2, 27, 54\})$	72
54	$\mathcal{O}(0; \{3, 6^3, 27, 54\})$	288
54	$\mathcal{O}(0; \{2, 9^3, 27, 54\})$	3888
54	$\mathcal{O}(0; \{3^2, 9, 18, 27, 54\})$	2592
54	$\mathcal{O}(0; \{2, 6, 9, 18, 27, 54\})$	1296
54	$\mathcal{O}(0; \{2^3, 3, 54^3\})$	324
54	$\mathcal{O}(0; \{3^2, 6, 54^3\})$	1296
54	$\mathcal{O}(0; \{2, 6^2, 54^3\})$	648
56	$\mathcal{O}(2; \{2^2\})$	9216000
56	$\mathcal{O}(1; \{2^6\})$	2304
56	$\mathcal{O}(1; \{2^3, 4^2\})$	4608
56	$\mathcal{O}(1; \{4^4\})$	18432
56	$\mathcal{O}(1; \{2, 4, 8^2\})$	24576
56	$\mathcal{O}(0; \{2, 7, 8^2, 14, 28\})$	240
56	$\mathcal{O}(0; \{2, 7^2, 8, 14, 56\})$	744
56	$\mathcal{O}(0; \{2, 4, 8, 14, 28, 56\})$	480
56	$\mathcal{O}(0; \{2, 4, 7, 14, 56^2\})$	1488
57	$\mathcal{O}(1; \{57^3\})$	1988388
57	$\mathcal{O}(0; \{3^3, 57^3\})$	6732
58	$\mathcal{O}(1; \{29^3\})$	1907388
58	$\mathcal{O}(0; \{2^4, 29^3\})$	756
58	$\mathcal{O}(0; \{2^2, 29^2, 58^2\})$	21196
58	$\mathcal{O}(0; \{29, 58^4\})$	593460
60	$\mathcal{O}(1; \{2^2, 10^2\})$	9600
60	$\mathcal{O}(1; \{15^3\})$	64800
60	$\mathcal{O}(1; \{12, 15, 20\})$	57600
60	$\mathcal{O}(1; \{10, 20^2\})$	76800
60	$\mathcal{O}(1; \{10, 15, 30\})$	64800
60	$\mathcal{O}(1; \{10, 12, 60\})$	57600
60	$\mathcal{O}(1; \{6, 60^2\})$	57600
60	$\mathcal{O}(0; \{3, 4^2, 6, 10^2\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10^2, 12\})$	16
60	$\mathcal{O}(0; \{2, 4, 6, 10^2, 12\})$	16
60	$\mathcal{O}(0; \{2, 3, 10^2, 12^2\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 5, 10, 15\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 10, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 15^3\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 6, 20\})$	48
60	$\mathcal{O}(0; \{3^2, 5^2, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 5^2, 6, 12, 20\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 4, 15, 20\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 15, 20\})$	64

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{3^2, 4, 6, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 6^2, 15, 20\})$	16
60	$\mathcal{O}(0; \{2^4, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{3^3, 12, 15, 20\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 12, 15, 20\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{3^3, 10, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 6, 10, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 15, 20^2\})$	208
60	$\mathcal{O}(0; \{2, 4^2, 10, 15, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 5, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 6, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{2^2, 15, 20^2, 30\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 20, 30^2\})$	48
60	$\mathcal{O}(0; \{2^2, 12, 20, 30^2\})$	48
60	$\mathcal{O}(0; \{20^2, 30^3\})$	816
60	$\mathcal{O}(0; \{3, 4, 5^3, 60\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 4, 10, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 10, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 4, 6, 10, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 6^2, 10, 60\})$	16
60	$\mathcal{O}(0; \{2, 5^3, 12, 60\})$	208
60	$\mathcal{O}(0; \{2^4, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 10, 12, 60\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 10, 12, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 10, 12, 60\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 5, 15, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 5, 6, 15, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 12, 15, 60\})$	144
60	$\mathcal{O}(0; \{2, 3, 5, 10, 20, 60\})$	208
60	$\mathcal{O}(0; \{2^2, 15^2, 20, 60\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{2^2, 12, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{2, 4, 5^2, 30, 60\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 15, 30, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 12, 15, 30, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 10, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{20^3, 30, 60\})$	3264
60	$\mathcal{O}(0; \{15, 20, 30^2, 60\})$	2448
60	$\mathcal{O}(0; \{12, 30^3, 60\})$	1040
60	$\mathcal{O}(0; \{2^3, 3^2, 60^2\})$	48
60	$\mathcal{O}(0; \{3^2, 4^2, 60^2\})$	192

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{2^4, 6, 60^2\})$	16
60	$\mathcal{O}(0; \{3^3, 6, 60^2\})$	176
60	$\mathcal{O}(0; \{2, 4^2, 6, 60^2\})$	64
60	$\mathcal{O}(0; \{2, 3, 6^2, 60^2\})$	80
60	$\mathcal{O}(0; \{2, 3, 4, 12, 60^2\})$	192
60	$\mathcal{O}(0; \{2^2, 12^2, 60^2\})$	192
60	$\mathcal{O}(0; \{2^2, 10, 15, 60^2\})$	208
60	$\mathcal{O}(0; \{15, 20^2, 60^2\})$	3264
60	$\mathcal{O}(0; \{15^2, 30, 60^2\})$	4080
60	$\mathcal{O}(0; \{12, 20, 30, 60^2\})$	2496
60	$\mathcal{O}(0; \{10, 30^2, 60^2\})$	2448
60	$\mathcal{O}(0; \{12, 15, 60^3\})$	4160
60	$\mathcal{O}(0; \{10, 20, 60^3\})$	3264
63	$\mathcal{O}(1; \{3^4\})$	20736
63	$\mathcal{O}(1; \{9^3\})$	69984
63	$\mathcal{O}(0; \{9^2, 21^2, 63\})$	2160
63	$\mathcal{O}(0; \{7, 9, 21, 63^2\})$	6696
63	$\mathcal{O}(0; \{7^2, 63^3\})$	19980
64	$\mathcal{O}(1; \{4, 16^2\})$	49152
64	$\mathcal{O}(0; \{4, 16, 32, 64^2\})$	8192
66	$\mathcal{O}(1; \{3, 11, 33\})$	65340
66	$\mathcal{O}(0; \{2^4, 3, 11, 33\})$	20
66	$\mathcal{O}(0; \{2, 3^2, 6, 11, 33\})$	60
66	$\mathcal{O}(0; \{2^2, 6^2, 11, 33\})$	20
66	$\mathcal{O}(0; \{2^2, 3, 22^2, 33\})$	180
66	$\mathcal{O}(0; \{6^2, 22^2, 33\})$	180
66	$\mathcal{O}(0; \{6, 11^3, 66\})$	1820
66	$\mathcal{O}(0; \{3, 22, 33^2, 66\})$	5460
66	$\mathcal{O}(0; \{2^2, 3, 11, 66^2\})$	180
66	$\mathcal{O}(0; \{6^2, 11, 66^2\})$	540
66	$\mathcal{O}(0; \{3, 22^2, 66^2\})$	1820
68	$\mathcal{O}(1; \{2, 68^2\})$	147968
68	$\mathcal{O}(0; \{2^5, 68^2\})$	32
68	$\mathcal{O}(0; \{2^2, 4^2, 68^2\})$	128
70	$\mathcal{O}(1; \{5^3\})$	43200
70	$\mathcal{O}(0; \{5^2, 10, 14, 35\})$	312
70	$\mathcal{O}(0; \{5, 7^2, 10, 70\})$	360
70	$\mathcal{O}(0; \{2, 35^3, 70\})$	9672
70	$\mathcal{O}(0; \{2^3, 14, 70^2\})$	120
72	$\mathcal{O}(1; \{2^2, 3^2\})$	6912
72	$\mathcal{O}(1; \{3, 6^2\})$	6912
72	$\mathcal{O}(1; \{3, 4, 12\})$	13824
72	$\mathcal{O}(1; \{2, 12^2\})$	13824

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(1; \{2, 9, 18\})$	23328
72	$\mathcal{O}(0; \{4, 8^2, 9, 18\})$	48
72	$\mathcal{O}(0; \{3, 8, 9, 18, 24\})$	96
72	$\mathcal{O}(0; \{3, 8^2, 18, 36\})$	96
72	$\mathcal{O}(0; \{2, 18, 24^2, 36\})$	192
72	$\mathcal{O}(0; \{4, 6, 8, 9, 72\})$	96
72	$\mathcal{O}(0; \{3, 8, 9, 12, 72\})$	192
72	$\mathcal{O}(0; \{2^3, 9, 24, 72\})$	48
72	$\mathcal{O}(0; \{4^2, 9, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 6, 9, 24, 72\})$	192
72	$\mathcal{O}(0; \{2, 18^2, 24, 72\})$	144
72	$\mathcal{O}(0; \{2^3, 8, 36, 72\})$	48
72	$\mathcal{O}(0; \{4^2, 8, 36, 72\})$	192
72	$\mathcal{O}(0; \{3, 6, 8, 36, 72\})$	192
72	$\mathcal{O}(0; \{3, 4, 24, 36, 72\})$	384
72	$\mathcal{O}(0; \{2, 12, 24, 36, 72\})$	384
72	$\mathcal{O}(0; \{3, 4, 18, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 12, 18, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 9, 36, 72^2\})$	1296
72	$\mathcal{O}(0; \{2, 8, 72^3\})$	1152
75	$\mathcal{O}(0; \{3^2, 25^2, 75\})$	600
75	$\mathcal{O}(0; \{3, 5^2, 75^2\})$	640
75	$\mathcal{O}(0; \{3^2, 15, 75^2\})$	800
76	$\mathcal{O}(0; \{2^3, 4, 38, 76\})$	36
76	$\mathcal{O}(0; \{4^3, 38, 76\})$	144
76	$\mathcal{O}(0; \{2, 4, 76^3\})$	2448
78	$\mathcal{O}(0; \{2, 6, 13^2, 39\})$	264
80	$\mathcal{O}(0; \{2, 5, 8, 16, 80\})$	128
80	$\mathcal{O}(0; \{2, 4, 8, 80^2\})$	256
84	$\mathcal{O}(2; \emptyset)$	46080000
84	$\mathcal{O}(1; \{2^4\})$	4608
84	$\mathcal{O}(1; \{3^3\})$	10368
84	$\mathcal{O}(1; \{2, 4^2\})$	12288
84	$\mathcal{O}(1; \{2, 3, 6\})$	10368
84	$\mathcal{O}(0; \{3^2, 4, 21, 28\})$	24
84	$\mathcal{O}(0; \{2, 4, 6, 21, 28\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 21, 28\})$	24
84	$\mathcal{O}(0; \{3, 4^2, 7, 42\})$	24
84	$\mathcal{O}(0; \{2, 4, 7, 12, 42\})$	24
84	$\mathcal{O}(0; \{3^2, 4, 14, 84\})$	24
84	$\mathcal{O}(0; \{2, 4, 6, 14, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 14, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 7, 84^2\})$	120

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
85	$\mathcal{O}(1; \{85^2\})$	462400
86	$\mathcal{O}(1; \{43^2\})$	232974
86	$\mathcal{O}(0; \{2^4, 43^2\})$	42
86	$\mathcal{O}(0; \{2^2, 43, 86^2\})$	1722
86	$\mathcal{O}(0; \{86^4\})$	72366
87	$\mathcal{O}(1; \{29^2\})$	188384
87	$\mathcal{O}(0; \{3^3, 29^2\})$	56
87	$\mathcal{O}(0; \{29, 87^3\})$	42392
88	$\mathcal{O}(1; \{22^2\})$	58080
88	$\mathcal{O}(0; \{22, 44, 88^2\})$	7280
90	$\mathcal{O}(1; \{15^2\})$	43200
90	$\mathcal{O}(0; \{18, 30, 45^2\})$	432
90	$\mathcal{O}(0; \{2^2, 15, 18, 90\})$	48
90	$\mathcal{O}(0; \{18, 30^2, 90\})$	288
90	$\mathcal{O}(0; \{2^2, 10, 45, 90\})$	72
90	$\mathcal{O}(0; \{15, 30, 45, 90\})$	1248
90	$\mathcal{O}(0; \{2^2, 9, 90^2\})$	72
90	$\mathcal{O}(0; \{18^2, 90^2\})$	648
90	$\mathcal{O}(0; \{10, 90^3\})$	936
91	$\mathcal{O}(1; \{13^2\})$	97344
95	$\mathcal{O}(0; \{5, 95^3\})$	15912
96	$\mathcal{O}(1; \{8^2\})$	24576
96	$\mathcal{O}(0; \{6, 32^2, 48\})$	256
96	$\mathcal{O}(0; \{8, 12, 32, 96\})$	256
96	$\mathcal{O}(0; \{6, 24, 32, 96\})$	128
96	$\mathcal{O}(0; \{6, 16, 96^2\})$	256
98	$\mathcal{O}(1; \{7^2\})$	42336
99	$\mathcal{O}(0; \{9, 11^2, 99\})$	540
100	$\mathcal{O}(0; \{4, 25, 50, 100\})$	600
100	$\mathcal{O}(0; \{5, 10, 100^2\})$	640
100	$\mathcal{O}(0; \{4, 20, 100^2\})$	640
102	$\mathcal{O}(0; \{2^2, 3, 102^2\})$	32
102	$\mathcal{O}(0; \{6^2, 102^2\})$	96
105	$\mathcal{O}(1; \{5^2\})$	38400
105	$\mathcal{O}(0; \{5, 7, 21, 105\})$	240
105	$\mathcal{O}(0; \{3, 35^2, 105\})$	720
105	$\mathcal{O}(0; \{3, 21, 105^2\})$	720
108	$\mathcal{O}(0; \{4, 6, 54, 108\})$	72
108	$\mathcal{O}(0; \{3, 12, 54, 108\})$	144
112	$\mathcal{O}(1; \{4^2\})$	18432
114	$\mathcal{O}(0; \{2^3, 57, 114\})$	36
114	$\mathcal{O}(0; \{3, 6, 57, 114\})$	108
114	$\mathcal{O}(0; \{2, 114^3\})$	612

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
116	$\mathcal{O}(0; \{4^2, 29, 58\})$	56
116	$\mathcal{O}(0; \{2, 29, 116^2\})$	1512
120	$\mathcal{O}(0; \{3, 5, 24, 40\})$	32
120	$\mathcal{O}(0; \{2, 24, 30, 40\})$	32
120	$\mathcal{O}(0; \{2, 20, 24, 120\})$	64
120	$\mathcal{O}(0; \{2, 15, 40, 120\})$	96
120	$\mathcal{O}(0; \{3, 4, 120^2\})$	64
120	$\mathcal{O}(0; \{2, 12, 120^2\})$	64
126	$\mathcal{O}(1; \{3^2\})$	20736
126	$\mathcal{O}(0; \{2, 9, 21, 126\})$	72
126	$\mathcal{O}(0; \{2, 7, 63, 126\})$	180
129	$\mathcal{O}(0; \{3^2, 43, 129\})$	84
136	$\mathcal{O}(0; \{2, 4, 136^2\})$	128
150	$\mathcal{O}(0; \{2, 3, 25, 150\})$	40
168	$\mathcal{O}(1; \{2^2\})$	18432
170	$\mathcal{O}(0; \{2^2, 170^2\})$	64
171	$\mathcal{O}(0; \{171^3\})$	5508
172	$\mathcal{O}(0; \{86, 172^2\})$	3444
174	$\mathcal{O}(0; \{58, 87, 174\})$	1512
175	$\mathcal{O}(0; \{35, 175^2\})$	2400
180	$\mathcal{O}(0; \{36, 45, 60\})$	96
180	$\mathcal{O}(0; \{30, 36, 180\})$	96
180	$\mathcal{O}(0; \{20, 90, 180\})$	144
180	$\mathcal{O}(0; \{18, 180^2\})$	144
187	$\mathcal{O}(0; \{11, 187^2\})$	1440
190	$\mathcal{O}(0; \{10, 95, 190\})$	216
198	$\mathcal{O}(0; \{11, 18, 198\})$	60
204	$\mathcal{O}(0; \{6, 204^2\})$	64
210	$\mathcal{O}(0; \{6, 35, 210\})$	48
228	$\mathcal{O}(0; \{4, 114, 228\})$	72
255	$\mathcal{O}(0; \{3, 255^2\})$	128
258	$\mathcal{O}(0; \{3, 86, 258\})$	84
340	$\mathcal{O}(0; \{2, 340^2\})$	128
342	$\mathcal{O}(0; \{2, 171, 342\})$	108

Table 6: 86-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(86; \emptyset)$	1
2	$\mathcal{O}(43; \{2^2\})$	77371252455336267181195264
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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(42; \{2^6\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^{10}\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{14}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{18}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{22}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{26}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{30}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{34}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{38}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{42}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{46}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{50}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{54}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{58}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{62}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{66}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{70}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{74}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{78}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{82}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{86}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{90}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{94}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{98}\})$	274877906944
2	$\mathcal{O}(18; \{2^{102}\})$	68719476736
2	$\mathcal{O}(17; \{2^{106}\})$	17179869184
2	$\mathcal{O}(16; \{2^{110}\})$	4294967296
2	$\mathcal{O}(15; \{2^{114}\})$	1073741824
2	$\mathcal{O}(14; \{2^{118}\})$	268435456
2	$\mathcal{O}(13; \{2^{122}\})$	67108864
2	$\mathcal{O}(12; \{2^{126}\})$	16777216
2	$\mathcal{O}(11; \{2^{130}\})$	4194304
2	$\mathcal{O}(10; \{2^{134}\})$	1048576
2	$\mathcal{O}(9; \{2^{138}\})$	262144
2	$\mathcal{O}(8; \{2^{142}\})$	65536
2	$\mathcal{O}(7; \{2^{146}\})$	16384
2	$\mathcal{O}(6; \{2^{150}\})$	4096
2	$\mathcal{O}(5; \{2^{154}\})$	1024
2	$\mathcal{O}(4; \{2^{158}\})$	256
2	$\mathcal{O}(3; \{2^{162}\})$	64
2	$\mathcal{O}(2; \{2^{166}\})$	16
2	$\mathcal{O}(1; \{2^{170}\})$	4
2	$\mathcal{O}(0; \{2^{174}\})$	1

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(28; \{3^4\})$	3140085798164163223281069126
3	$\mathcal{O}(27; \{3^7\})$	2442288954127682506996387098
3	$\mathcal{O}(26; \{3^{10}\})$	2209690006115522268234826422
3	$\mathcal{O}(25; \{3^{13}\})$	1959861506398757567342779770
3	$\mathcal{O}(24; \{3^{16}\})$	1742577715457356850474984406
3	$\mathcal{O}(23; \{3^{19}\})$	1548904791666710396526743898
3	$\mathcal{O}(22; \{3^{22}\})$	1376810167884711231913391862
3	$\mathcal{O}(21; \{3^{25}\})$	1223830603828030750404415290
3	$\mathcal{O}(20; \{3^{28}\})$	1087849498570908976923275286
3	$\mathcal{O}(19; \{3^{31}\})$	966977323957919895671625498
3	$\mathcal{O}(18; \{3^{34}\})$	859535399974274385712328502
3	$\mathcal{O}(17; \{3^{37}\})$	764031466543736363768514810
3	$\mathcal{O}(16; \{3^{40}\})$	67913908138332822260679766
3	$\mathcal{O}(15; \{3^{43}\})$	603679183450611961883591898
3	$\mathcal{O}(14; \{3^{46}\})$	536603718622903449095700342
3	$\mathcal{O}(13; \{3^{49}\})$	476981083220343370223430330
3	$\mathcal{O}(12; \{3^{52}\})$	423983185084751356998045846
3	$\mathcal{O}(11; \{3^{55}\})$	376873942297556573489683098
3	$\mathcal{O}(10; \{3^{58}\})$	334999059820050308467091382
3	$\mathcal{O}(9; \{3^{61}\})$	297776942062266938535113850
3	$\mathcal{O}(8; \{3^{64}\})$	264690615166459501178381526
3	$\mathcal{O}(7; \{3^{67}\})$	235280546814630667685419098
3	$\mathcal{O}(6; \{3^{70}\})$	209138263835227260168005622
3	$\mathcal{O}(5; \{3^{73}\})$	185900678964646453482317370
3	$\mathcal{O}(4; \{3^{76}\})$	165245047968574625317654806
3	$\mathcal{O}(3; \{3^{79}\})$	146884487083177444726799898
3	$\mathcal{O}(2; \{3^{82}\})$	130563988518379950868267062
3	$\mathcal{O}(1; \{3^{85}\})$	116056878683004400771792890
3	$\mathcal{O}(0; \{3^{88}\})$	103161669940448356241593686
4	$\mathcal{O}(21; \{2^2, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(20; \{2^6, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^3, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(20; \{4^6\})$	38685626227668133590597632
4	$\mathcal{O}(19; \{2^{10}, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^7, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^4, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2, 4^8\})$	9671406556917033397649408
4	$\mathcal{O}(18; \{2^{14}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{11}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^8, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^5, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^2, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(17; \{2^{18}, 4^2\})$	590295810358705651712

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(17; \{2^{15}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{12}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^9, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^6, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^3, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(17; \{4^{14}\})$	2417851639229258349412352
4	$\mathcal{O}(16; \{2^{22}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{19}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{16}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{13}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^{10}, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^7, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^4, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2, 4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(15; \{2^{26}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{23}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{20}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{17}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{14}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{11}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^8, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^5, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^2, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(14; \{2^{30}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{27}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{24}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{21}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{18}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{15}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{12}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^9, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^6, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^3, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{4^{22}\})$	151115727451828646838272
4	$\mathcal{O}(13; \{2^{34}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{31}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{28}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{25}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{22}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{19}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{16}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{13}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^{10}, 4^{18}\})$	590295810358705651712

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(13; \{2^7, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^4, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2, 4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(12; \{2^{38}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{35}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{32}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{29}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{26}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{23}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{20}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{17}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{14}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{11}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^8, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^5, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2^2, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(11; \{2^{42}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{39}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{36}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{33}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{30}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{27}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{24}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{21}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{18}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{15}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{12}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^9, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^6, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^3, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{4^{30}\})$	9444732965739290427392
4	$\mathcal{O}(10; \{2^{46}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{43}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{40}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{37}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{34}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{31}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{28}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{25}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{22}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{19}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{16}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{13}, 4^{24}\})$	9223372036854775808

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{10}, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^7, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^4, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2, 4^{32}\})$	2361183241434822606848
4	$\mathcal{O}(9; \{2^{50}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{47}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{44}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{41}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{38}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{35}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{32}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{29}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{26}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{23}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{20}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{17}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{14}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{11}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^8, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^5, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^2, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(8; \{2^{54}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{51}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{48}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{45}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{42}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{39}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{36}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{33}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{30}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{27}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{24}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{21}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{18}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{15}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{12}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^9, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^6, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^3, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(8; \{4^{38}\})$	590295810358705651712
4	$\mathcal{O}(7; \{2^{58}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{55}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{52}, 4^6\})$	8589934592

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^{49}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{46}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{43}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{40}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{37}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{34}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{31}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{28}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{25}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{22}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{19}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{16}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{13}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^{10}, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^7, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^4, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2, 4^{40}\})$	147573952589676412928
4	$\mathcal{O}(6; \{2^{62}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{59}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{56}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{53}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{50}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{47}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{44}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{41}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{38}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{35}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{32}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{29}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{26}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{23}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{20}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{17}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{14}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{11}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^8, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^5, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^2, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(5; \{2^{66}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{63}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{60}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{57}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{54}, 4^{10}\})$	536870912

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{51}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{48}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{45}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{42}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{39}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{36}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{33}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{30}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{27}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{24}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{21}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{18}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{15}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{12}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^9, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^6, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^3, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(5; \{4^{46}\})$	36893488147419103232
4	$\mathcal{O}(4; \{2^{70}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{67}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{64}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{61}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{58}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{55}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{52}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{49}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{46}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{43}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{40}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{37}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{34}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{31}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{28}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{25}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{22}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{19}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{16}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{13}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^{10}, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^7, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^4, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2, 4^{48}\})$	9223372036854775808
4	$\mathcal{O}(3; \{2^{74}, 4^2\})$	8192

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{71}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{68}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{65}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{62}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{59}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{56}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{53}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{50}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{47}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{44}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{41}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{38}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{35}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{32}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{29}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{26}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{23}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{20}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{17}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{14}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{11}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^8, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^5, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{2^2, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(2; \{2^{78}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{75}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{72}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{69}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{66}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{63}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{60}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{57}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{54}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{51}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{48}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{45}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{42}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{39}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{36}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{33}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{30}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{27}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{24}, 4^{38}\})$	35184372088832

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{21}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{18}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{15}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{12}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^9, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^6, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^3, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(2; \{4^{54}\})$	2305843009213693952
4	$\mathcal{O}(1; \{2^{82}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{79}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{76}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{73}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{70}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{67}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{64}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{61}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{58}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{55}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{52}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{49}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{46}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{43}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{40}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{37}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{34}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{31}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{28}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{25}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{22}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{19}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{16}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{13}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^{10}, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^7, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^4, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{2, 4^{56}\})$	576460752303423488
4	$\mathcal{O}(0; \{2^{86}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{83}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{80}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{77}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{74}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{71}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{68}, 4^{14}\})$	8192

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{65}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{62}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{59}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{56}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{53}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{50}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{47}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{44}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{41}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{38}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{35}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{32}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{29}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{26}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{23}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{20}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{17}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{14}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{11}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^8, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^5, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^2, 4^{58}\})$	144115188075855872
5	$\mathcal{O}(18; \emptyset)$	14551915228366851806640624
5	$\mathcal{O}(16; \{5^5\})$	4749745130538940429687500
5	$\mathcal{O}(14; \{5^{10}\})$	7812529802322387695312500
5	$\mathcal{O}(12; \{5^{15}\})$	12799999952316284179687500
5	$\mathcal{O}(10; \{5^{20}\})$	20971520000076293945312500
5	$\mathcal{O}(8; \{5^{25}\})$	34359738367999877929687500
5	$\mathcal{O}(6; \{5^{30}\})$	56294995342131200195312500
5	$\mathcal{O}(4; \{5^{35}\})$	92233720368547758079687500
5	$\mathcal{O}(2; \{5^{40}\})$	151115727451828646838272500
5	$\mathcal{O}(0; \{5^{45}\})$	247588007857076054979824844
6	$\mathcal{O}(14; \{2^2, 3^2\})$	12281884428929630994432
6	$\mathcal{O}(14; \{3, 6^2\})$	12281884428929630994432
6	$\mathcal{O}(13; \{2^6, 3^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^2, 3^5\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^3, 3^3, 6\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2^4, 3, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{3^4, 6^2\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2, 3^2, 6^3\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^2, 6^4\})$	1023490369077469249536
6	$\mathcal{O}(12; \{2^{10}, 3^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^6, 3^5\})$	47383813383216168960

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(12; \{2^2, 3^8\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^7, 3^3, 6\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^3, 3^6, 6\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^8, 3, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^4, 3^4, 6^2\})$	104244389443075571712
6	$\mathcal{O}(12; \{3^7, 6^2\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^5, 3^2, 6^3\})$	47383813383216168960
6	$\mathcal{O}(12; \{2, 3^5, 6^3\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^6, 6^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^2, 3^3, 6^4\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^3, 3, 6^5\})$	104244389443075571712
6	$\mathcal{O}(12; \{3^2, 6^6\})$	407500795095659053056
6	$\mathcal{O}(12; \{2, 6^7\})$	199012016209507909632
6	$\mathcal{O}(11; \{2^{14}, 3^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{10}, 3^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^6, 3^8\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^2, 3^{11}\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{11}, 3^3, 6\})$	789730223053602816
6	$\mathcal{O}(11; \{2^7, 3^6, 6\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^3, 3^9, 6\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^{12}, 3, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^8, 3^4, 6^2\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^4, 3^7, 6^2\})$	22375689653185413120
6	$\mathcal{O}(11; \{3^{10}, 6^2\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^9, 3^2, 6^3\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^5, 3^5, 6^3\})$	11319466530434973696
6	$\mathcal{O}(11; \{2, 3^8, 6^3\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{10}, 6^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^6, 3^3, 6^4\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^2, 3^6, 6^4\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^7, 3, 6^5\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^3, 3^4, 6^5\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^4, 3^2, 6^6\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^5, 6^6\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^5, 6^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{2, 3^3, 6^7\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^2, 3, 6^8\})$	22375689653185413120
6	$\mathcal{O}(11; \{6^{10}\})$	45014622714055360512
6	$\mathcal{O}(10; \{2^{18}, 3^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{14}, 3^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{10}, 3^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^6, 3^{11}\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^{14}\})$	19969937399623974912

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^{15}, 3^3, 6\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{11}, 3^6, 6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^7, 3^9, 6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 3^{12}, 6\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{16}, 3, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{12}, 3^4, 6^2\})$	80435485681385472
6	$\mathcal{O}(10; \{2^8, 3^7, 6^2\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 3^{10}, 6^2\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^{13}, 6^2\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{13}, 3^2, 6^3\})$	36561584400629760
6	$\mathcal{O}(10; \{2^9, 3^5, 6^3\})$	314429625845415936
6	$\mathcal{O}(10; \{2^5, 3^8, 6^3\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^{11}, 6^3\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{14}, 6^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{10}, 3^3, 6^4\})$	153558654482644992
6	$\mathcal{O}(10; \{2^6, 3^6, 6^4\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^9, 6^4\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{11}, 3, 6^5\})$	80435485681385472
6	$\mathcal{O}(10; \{2^7, 3^4, 6^5\})$	621546934810705920
6	$\mathcal{O}(10; \{2^3, 3^7, 6^5\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^8, 3^2, 6^6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^4, 3^5, 6^6\})$	2493500056122949632
6	$\mathcal{O}(10; \{3^8, 6^6\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^9, 6^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^5, 3^3, 6^7\})$	1250406186501537792
6	$\mathcal{O}(10; \{2, 3^6, 6^7\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^6, 3, 6^8\})$	621546934810705920
6	$\mathcal{O}(10; \{2^2, 3^4, 6^8\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^3, 3^2, 6^9\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^4, 6^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{3^3, 6^{10}\})$	9981312541371924480
6	$\mathcal{O}(10; \{2, 3, 6^{11}\})$	4994312429126025216
6	$\mathcal{O}(9; \{2^{22}, 3^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{18}, 3^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{14}, 3^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{10}, 3^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^6, 3^{14}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3^{17}\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{19}, 3^3, 6\})$	609359740010496
6	$\mathcal{O}(9; \{2^{15}, 3^6, 6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{11}, 3^9, 6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^7, 3^{12}, 6\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3^{15}, 6\})$	2218678813378215936

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^{20}, 3, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{16}, 3^4, 6^2\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{12}, 3^7, 6^2\})$	17265192633630720
6	$\mathcal{O}(9; \{2^8, 3^{10}, 6^2\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^{13}, 6^2\})$	1109237846732439552
6	$\mathcal{O}(9; \{3^{16}, 6^2\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{17}, 3^2, 6^3\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{13}, 3^5, 6^3\})$	8734156273483776
6	$\mathcal{O}(9; \{2^9, 3^8, 6^3\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^{11}, 6^3\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^{14}, 6^3\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{18}, 6^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{14}, 3^3, 6^4\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{10}, 3^6, 6^4\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^9, 6^4\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^{12}, 6^4\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{15}, 3, 6^5\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{11}, 3^4, 6^5\})$	17265192633630720
6	$\mathcal{O}(9; \{2^7, 3^7, 6^5\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^{10}, 6^5\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{12}, 3^2, 6^6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^8, 3^5, 6^6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^8, 6^6\})$	554720483322888192
6	$\mathcal{O}(9; \{3^{11}, 6^6\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{13}, 6^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^9, 3^3, 6^7\})$	34733505180598272
6	$\mathcal{O}(9; \{2^5, 3^6, 6^7\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^9, 6^7\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{10}, 3, 6^8\})$	17265192633630720
6	$\mathcal{O}(9; \{2^6, 3^4, 6^8\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^7, 6^8\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^7, 3^2, 6^9\})$	69263890447859712
6	$\mathcal{O}(9; \{2^3, 3^5, 6^9\})$	554720483322888192
6	$\mathcal{O}(9; \{2^8, 6^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^4, 3^3, 6^{10}\})$	277258681704775680
6	$\mathcal{O}(9; \{3^6, 6^{10}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^5, 3, 6^{11}\})$	138730900809056256
6	$\mathcal{O}(9; \{2, 3^4, 6^{11}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^2, 3^2, 6^{12}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^3, 6^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{3, 6^{14}\})$	1109237846732439552
6	$\mathcal{O}(8; \{2^{26}, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{22}, 3^5\})$	28211099074560

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{18}, 3^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{14}, 3^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{10}, 3^{14}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^6, 3^{17}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^{20}\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{23}, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2^{19}, 3^6, 6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{15}, 3^9, 6\})$	964819588349952
6	$\mathcal{O}(8; \{2^{11}, 3^{12}, 6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^7, 3^{15}, 6\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^{18}, 6\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{24}, 3, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{20}, 3^4, 6^2\})$	62064417964032
6	$\mathcal{O}(8; \{2^{16}, 3^7, 6^2\})$	479588684267520
6	$\mathcal{O}(8; \{2^{12}, 3^{10}, 6^2\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^{13}, 6^2\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^{16}, 6^2\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{19}, 6^2\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{21}, 3^2, 6^3\})$	28211099074560
6	$\mathcal{O}(8; \{2^{17}, 3^5, 6^3\})$	242615452041216
6	$\mathcal{O}(8; \{2^{13}, 3^8, 6^3\})$	1923996956884992
6	$\mathcal{O}(8; \{2^9, 3^{11}, 6^3\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^{14}, 6^3\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^{17}, 6^3\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{22}, 6^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{18}, 3^3, 6^4\})$	118486616113152
6	$\mathcal{O}(8; \{2^{14}, 3^6, 6^4\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^9, 6^4\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^{12}, 6^4\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^{15}, 6^4\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{19}, 3, 6^5\})$	62064417964032
6	$\mathcal{O}(8; \{2^{15}, 3^4, 6^5\})$	479588684267520
6	$\mathcal{O}(8; \{2^{11}, 3^7, 6^5\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^{10}, 6^5\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^{13}, 6^5\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{16}, 3^2, 6^6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{12}, 3^5, 6^6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^8, 3^8, 6^6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^{11}, 6^6\})$	123254291856752640
6	$\mathcal{O}(8; \{3^{14}, 6^6\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{17}, 6^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{13}, 3^3, 6^7\})$	964819588349952
6	$\mathcal{O}(8; \{2^9, 3^6, 6^7\})$	7701630047354880

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^5, 3^9, 6^7\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^{12}, 6^7\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{14}, 3, 6^8\})$	479588684267520
6	$\mathcal{O}(8; \{2^{10}, 3^4, 6^8\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^7, 6^8\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^{10}, 6^8\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{11}, 3^2, 6^9\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^5, 6^9\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^8, 6^9\})$	123254291856752640
6	$\mathcal{O}(8; \{2^{12}, 6^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^8, 3^3, 6^{10}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^6, 6^{10}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^9, 6^{10}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^9, 3, 6^{11}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^5, 3^4, 6^{11}\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^7, 6^{11}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^6, 3^2, 6^{12}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^5, 6^{12}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^7, 6^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^3, 3^3, 6^{13}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^4, 3, 6^{14}\})$	30812162409234432
6	$\mathcal{O}(8; \{3^4, 6^{14}\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 3^2, 6^{15}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 6^{16}\})$	61629967038283776
6	$\mathcal{O}(7; \{2^{30}, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{26}, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{22}, 3^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{18}, 3^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{14}, 3^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^{10}, 3^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^6, 3^{20}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3^{23}\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{27}, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^{23}, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{19}, 3^9, 6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{15}, 3^{12}, 6\})$	213934167982080
6	$\mathcal{O}(7; \{2^{11}, 3^{15}, 6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^7, 3^{18}, 6\})$	13695078045745152
6	$\mathcal{O}(7; \{2^3, 3^{21}, 6\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{28}, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{24}, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2^{20}, 3^7, 6^2\})$	13321907896320
6	$\mathcal{O}(7; \{2^{16}, 3^{10}, 6^2\})$	107045448155136

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{12}, 3^{13}, 6^2\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^{16}, 6^2\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{19}, 6^2\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{22}, 6^2\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{25}, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^{21}, 3^5, 6^3\})$	6739318112256
6	$\mathcal{O}(7; \{2^{17}, 3^8, 6^3\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^{11}, 6^3\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^{14}, 6^3\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^{17}, 6^3\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{20}, 6^3\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{26}, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{22}, 3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{2^{18}, 3^6, 6^4\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^9, 6^4\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^{12}, 6^4\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^{15}, 6^4\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{18}, 6^4\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{23}, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(7; \{2^{19}, 3^4, 6^5\})$	13321907896320
6	$\mathcal{O}(7; \{2^{15}, 3^7, 6^5\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^{10}, 6^5\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^{13}, 6^5\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{16}, 6^5\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{20}, 3^2, 6^6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{16}, 3^5, 6^6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^8, 6^6\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^{11}, 6^6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{14}, 6^6\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{17}, 6^6\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{21}, 6^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{17}, 3^3, 6^7\})$	26800544120832
6	$\mathcal{O}(7; \{2^{13}, 3^6, 6^7\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^9, 6^7\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^{12}, 6^7\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{15}, 6^7\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{18}, 3, 6^8\})$	13321907896320
6	$\mathcal{O}(7; \{2^{14}, 3^4, 6^8\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^7, 6^8\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^{10}, 6^8\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{13}, 6^8\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{15}, 3^2, 6^9\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^5, 6^9\})$	428025064292352

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^7, 3^8, 6^9\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^{11}, 6^9\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{16}, 6^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{12}, 3^3, 6^{10}\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^6, 6^{10}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^9, 6^{10}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{12}, 6^{10}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{13}, 3, 6^{11}\})$	107045448155136
6	$\mathcal{O}(7; \{2^9, 3^4, 6^{11}\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^7, 6^{11}\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^{10}, 6^{11}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{10}, 3^2, 6^{12}\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^5, 6^{12}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^8, 6^{12}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{11}, 6^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^7, 3^3, 6^{13}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^6, 6^{13}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^8, 3, 6^{14}\})$	855893400256512
6	$\mathcal{O}(7; \{2^4, 3^4, 6^{14}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^7, 6^{14}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^5, 3^2, 6^{15}\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^5, 6^{15}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^6, 6^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^2, 3^3, 6^{16}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^3, 3, 6^{17}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^2, 6^{18}\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 6^{19}\})$	13695078045745152
6	$\mathcal{O}(6; \{2^{34}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{30}, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{26}, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{22}, 3^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{18}, 3^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{14}, 3^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^{10}, 3^{20}\})$	760842022772736
6	$\mathcal{O}(6; \{2^6, 3^{23}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^{26}\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{31}, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^{27}, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^{23}, 3^9, 6\})$	744459558912
6	$\mathcal{O}(6; \{2^{19}, 3^{12}, 6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^{15}, 6\})$	47553986912256
6	$\mathcal{O}(6; \{2^{11}, 3^{18}, 6\})$	380418834604032
6	$\mathcal{O}(6; \{2^7, 3^{21}, 6\})$	3043363737526272

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^3, 3^{24}, 6\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{32}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{28}, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^{24}, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^{20}, 3^{10}, 6^2\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^{13}, 6^2\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^{16}, 6^2\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{19}, 6^2\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{22}, 6^2\})$	12173450596540416
6	$\mathcal{O}(6; \{3^{25}, 6^2\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{29}, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^{25}, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2^{21}, 3^8, 6^3\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^{11}, 6^3\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3^{14}, 6^3\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^{17}, 6^3\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{20}, 6^3\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{23}, 6^3\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{30}, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{26}, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^{22}, 3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^9, 6^4\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^{12}, 6^4\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^{15}, 6^4\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{18}, 6^4\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{21}, 6^4\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{27}, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2^{23}, 3^4, 6^5\})$	370052997120
6	$\mathcal{O}(6; \{2^{19}, 3^7, 6^5\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^{10}, 6^5\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^{13}, 6^5\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{16}, 6^5\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{19}, 6^5\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{24}, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2^{20}, 3^5, 6^6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^8, 6^6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^{11}, 6^6\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{14}, 6^6\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{17}, 6^6\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{20}, 6^6\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{25}, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{21}, 3^3, 6^7\})$	744459558912
6	$\mathcal{O}(6; \{2^{17}, 3^6, 6^7\})$	5942615777280

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{13}, 3^9, 6^7\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^{12}, 6^7\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{15}, 6^7\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{18}, 6^7\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{22}, 3, 6^8\})$	370052997120
6	$\mathcal{O}(6; \{2^{18}, 3^4, 6^8\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^7, 6^8\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^{10}, 6^8\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{13}, 6^8\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{16}, 6^8\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{19}, 3^2, 6^9\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^5, 6^9\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^8, 6^9\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^{11}, 6^9\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{14}, 6^9\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{20}, 6^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{16}, 3^3, 6^{10}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^6, 6^{10}\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^9, 6^{10}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{12}, 6^{10}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{15}, 6^{10}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{17}, 3, 6^{11}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{13}, 3^4, 6^{11}\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^7, 6^{11}\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^{10}, 6^{11}\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{13}, 6^{11}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{14}, 3^2, 6^{12}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^5, 6^{12}\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^8, 6^{12}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^{11}, 6^{12}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{15}, 6^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{11}, 3^3, 6^{13}\})$	47553986912256
6	$\mathcal{O}(6; \{2^7, 3^6, 6^{13}\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^9, 6^{13}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^{12}, 3, 6^{14}\})$	23774816673792
6	$\mathcal{O}(6; \{2^8, 3^4, 6^{14}\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^7, 6^{14}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^{10}, 6^{14}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^9, 3^2, 6^{15}\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^5, 6^{15}\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^8, 6^{15}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{10}, 6^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^6, 3^3, 6^{16}\})$	380418834604032

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^2, 3^6, 6^{16}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^7, 3, 6^{17}\})$	190211594084352
6	$\mathcal{O}(6; \{2^3, 3^4, 6^{17}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^2, 6^{18}\})$	760842022772736
6	$\mathcal{O}(6; \{3^5, 6^{18}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^5, 6^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2, 3^3, 6^{19}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3, 6^{20}\})$	1521679691980800
6	$\mathcal{O}(6; \{6^{22}\})$	3043363737526272
6	$\mathcal{O}(5; \{2^{38}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{34}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^{30}, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{26}, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{22}, 3^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{18}, 3^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{14}, 3^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^{10}, 3^{23}\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3^{26}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^2, 3^{29}\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{35}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^{31}, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^{27}, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^{23}, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2^{19}, 3^{15}, 6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{15}, 3^{18}, 6\})$	10567189850112
6	$\mathcal{O}(5; \{2^{11}, 3^{21}, 6\})$	84537881597952
6	$\mathcal{O}(5; \{2^7, 3^{24}, 6\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3^{27}, 6\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{36}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{32}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^{28}, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^{24}, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^{13}, 6^2\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^{16}, 6^2\})$	5283655391232
6	$\mathcal{O}(5; \{2^{12}, 3^{19}, 6^2\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{22}, 6^2\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{25}, 6^2\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{28}, 6^2\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{33}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^{29}, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^{25}, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^{11}, 6^3\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^{14}, 6^3\})$	2641767229440

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{13}, 3^{17}, 6^3\})$	21134500632576
6	$\mathcal{O}(5; \{2^9, 3^{20}, 6^3\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{23}, 6^3\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{26}, 6^3\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{34}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^{30}, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^{26}, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^{22}, 3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^{12}, 6^4\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^{15}, 6^4\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{18}, 6^4\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{21}, 6^4\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{24}, 6^4\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{31}, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^{27}, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^{23}, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^{10}, 6^5\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^{13}, 6^5\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{16}, 6^5\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{19}, 6^5\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{22}, 6^5\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{28}, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^{24}, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^8, 6^6\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^{11}, 6^6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{14}, 6^6\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{17}, 6^6\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{20}, 6^6\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{23}, 6^6\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{29}, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{25}, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^{21}, 3^6, 6^7\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^9, 6^7\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^{12}, 6^7\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{15}, 6^7\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{18}, 6^7\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{21}, 6^7\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{26}, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{2^{22}, 3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^7, 6^8\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^{10}, 6^8\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{13}, 6^8\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{16}, 6^8\})$	338151405459456

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^2, 3^{19}, 6^8\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{23}, 3^2, 6^9\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^5, 6^9\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^8, 6^9\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^{11}, 6^9\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{14}, 6^9\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{17}, 6^9\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{24}, 6^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{20}, 3^3, 6^{10}\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^6, 6^{10}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^9, 6^{10}\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{12}, 6^{10}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{15}, 6^{10}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{18}, 6^{10}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{21}, 3, 6^{11}\})$	82596796416
6	$\mathcal{O}(5; \{2^{17}, 3^4, 6^{11}\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^7, 6^{11}\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^{10}, 6^{11}\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{13}, 6^{11}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{16}, 6^{11}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{18}, 3^2, 6^{12}\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^5, 6^{12}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^8, 6^{12}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^{11}, 6^{12}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{14}, 6^{12}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{19}, 6^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^3, 6^{13}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^6, 6^{13}\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^9, 6^{13}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{12}, 6^{13}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{16}, 3, 6^{14}\})$	660411574272
6	$\mathcal{O}(5; \{2^{12}, 3^4, 6^{14}\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^7, 6^{14}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^{10}, 6^{14}\})$	338151405459456
6	$\mathcal{O}(5; \{3^{13}, 6^{14}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{13}, 3^2, 6^{15}\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^5, 6^{15}\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^8, 6^{15}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^{11}, 6^{15}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{14}, 6^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{10}, 3^3, 6^{16}\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^6, 6^{16}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^9, 6^{16}\})$	676302689986560

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{11}, 3, 6^{17}\})$	5283655391232
6	$\mathcal{O}(5; \{2^7, 3^4, 6^{17}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^7, 6^{17}\})$	338151405459456
6	$\mathcal{O}(5; \{2^8, 3^2, 6^{18}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^5, 6^{18}\})$	169075642263552
6	$\mathcal{O}(5; \{3^8, 6^{18}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^9, 6^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^5, 3^3, 6^{19}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^6, 6^{19}\})$	676302689986560
6	$\mathcal{O}(5; \{2^6, 3, 6^{20}\})$	42268880332800
6	$\mathcal{O}(5; \{2^2, 3^4, 6^{20}\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^2, 6^{21}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 6^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{3^3, 6^{22}\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3, 6^{23}\})$	338151405459456
6	$\mathcal{O}(4; \{2^{42}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{38}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{34}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^{30}, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{26}, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{22}, 3^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^{14}, 3^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2^{10}, 3^{26}\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 3^{29}\})$	300578990123520
6	$\mathcal{O}(4; \{2^2, 3^{32}\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{39}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{35}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^{31}, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^{27}, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^{23}, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 3^{18}, 6\})$	293533051392
6	$\mathcal{O}(4; \{2^{15}, 3^{21}, 6\})$	2348274488832
6	$\mathcal{O}(4; \{2^{11}, 3^{24}, 6\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^{27}, 6\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^{30}, 6\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{40}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{36}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{32}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^{28}, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^{16}, 6^2\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{19}, 6^2\})$	1174135564800

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{12}, 3^{22}, 6^2\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{25}, 6^2\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{28}, 6^2\})$	601157983606272
6	$\mathcal{O}(4; \{3^{31}, 6^2\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{37}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{33}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^{29}, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^{14}, 6^3\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^{17}, 6^3\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{20}, 6^3\})$	4696545618432
6	$\mathcal{O}(4; \{2^9, 3^{23}, 6^3\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3^{26}, 6^3\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{29}, 6^3\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{38}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{34}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^{30}, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^{15}, 6^4\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{18}, 6^4\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{21}, 6^4\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{24}, 6^4\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{27}, 6^4\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{35}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^{31}, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^{27}, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^{10}, 6^5\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^{13}, 6^5\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{16}, 6^5\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{19}, 6^5\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{22}, 6^5\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{25}, 6^5\})$	601157983606272
6	$\mathcal{O}(4; \{2^{32}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^{28}, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^{11}, 6^6\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{14}, 6^6\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{17}, 6^6\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{20}, 6^6\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{23}, 6^6\})$	300578990123520
6	$\mathcal{O}(4; \{3^{26}, 6^6\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{33}, 6^7\})$	70543872

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{29}, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^{25}, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^9, 6^7\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^{12}, 6^7\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{15}, 6^7\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{18}, 6^7\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{21}, 6^7\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{24}, 6^7\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{30}, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^{26}, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^{10}, 6^8\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{13}, 6^8\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{16}, 6^8\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{19}, 6^8\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{22}, 6^8\})$	601157983606272
6	$\mathcal{O}(4; \{2^{27}, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^8, 6^9\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^{11}, 6^9\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{14}, 6^9\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{17}, 6^9\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{20}, 6^9\})$	300578990123520
6	$\mathcal{O}(4; \{2^{28}, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{24}, 3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^6, 6^{10}\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^9, 6^{10}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{12}, 6^{10}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{15}, 6^{10}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{18}, 6^{10}\})$	150289496741376
6	$\mathcal{O}(4; \{3^{21}, 6^{10}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{25}, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{2^{21}, 3^4, 6^{11}\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^7, 6^{11}\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^{10}, 6^{11}\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{13}, 6^{11}\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{16}, 6^{11}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{19}, 6^{11}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{22}, 3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^5, 6^{12}\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^8, 6^{12}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^{11}, 6^{12}\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{14}, 6^{12}\})$	37572375025152

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^2, 3^{17}, 6^{12}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{23}, 6^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{19}, 3^3, 6^{13}\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^6, 6^{13}\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^9, 6^{13}\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{12}, 6^{13}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{15}, 6^{13}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{20}, 3, 6^{14}\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3^4, 6^{14}\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^7, 6^{14}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^{10}, 6^{14}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{13}, 6^{14}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{16}, 6^{14}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{17}, 3^2, 6^{15}\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^5, 6^{15}\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^8, 6^{15}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^{11}, 6^{15}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{14}, 6^{15}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{18}, 6^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^3, 6^{16}\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^6, 6^{16}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^9, 6^{16}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{12}, 6^{16}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{15}, 3, 6^{17}\})$	146768205312
6	$\mathcal{O}(4; \{2^{11}, 3^4, 6^{17}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^7, 6^{17}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^{10}, 6^{17}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{12}, 3^2, 6^{18}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^5, 6^{18}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^8, 6^{18}\})$	37572375025152
6	$\mathcal{O}(4; \{3^{11}, 6^{18}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{13}, 6^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^9, 3^3, 6^{19}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^6, 6^{19}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^9, 6^{19}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{10}, 3, 6^{20}\})$	1174135564800
6	$\mathcal{O}(4; \{2^6, 3^4, 6^{20}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^7, 6^{20}\})$	75144746691072
6	$\mathcal{O}(4; \{2^7, 3^2, 6^{21}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^5, 6^{21}\})$	37572375025152
6	$\mathcal{O}(4; \{2^8, 6^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^4, 3^3, 6^{22}\})$	18786185832960
6	$\mathcal{O}(4; \{3^6, 6^{22}\})$	150289496741376

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^5, 3, 6^{23}\})$	9393094596096
6	$\mathcal{O}(4; \{2, 3^4, 6^{23}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^2, 6^{24}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 6^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{3, 6^{26}\})$	75144746691072
6	$\mathcal{O}(3; \{2^{46}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{42}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{38}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{34}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{30}, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{26}, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{22}, 3^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{18}, 3^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^{14}, 3^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{2^{10}, 3^{29}\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3^{32}\})$	66795331418496
6	$\mathcal{O}(3; \{2^2, 3^{35}\})$	534362651068032
6	$\mathcal{O}(3; \{2^{43}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{39}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{35}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^{31}, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^{27}, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^{23}, 3^{18}, 6\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3^{21}, 6\})$	65229846912
6	$\mathcal{O}(3; \{2^{15}, 3^{24}, 6\})$	521838495360
6	$\mathcal{O}(3; \{2^{11}, 3^{27}, 6\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3^{30}, 6\})$	33397665662592
6	$\mathcal{O}(3; \{2^3, 3^{33}, 6\})$	267181325580672
6	$\mathcal{O}(3; \{2^{44}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{40}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{36}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{32}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{19}, 6^2\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{22}, 6^2\})$	260919294336
6	$\mathcal{O}(3; \{2^{12}, 3^{25}, 6^2\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{28}, 6^2\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{31}, 6^2\})$	133590662743680
6	$\mathcal{O}(3; \{3^{34}, 6^2\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{41}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{37}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{33}, 3^8, 6^3\})$	31819392

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{29}, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^{17}, 6^3\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{20}, 6^3\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{23}, 6^3\})$	1043677084032
6	$\mathcal{O}(3; \{2^9, 3^{26}, 6^3\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{29}, 6^3\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{32}, 6^3\})$	534362651068032
6	$\mathcal{O}(3; \{2^{42}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{38}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{34}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^{15}, 6^4\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{18}, 6^4\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{21}, 6^4\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{24}, 6^4\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{27}, 6^4\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{30}, 6^4\})$	267181325580672
6	$\mathcal{O}(3; \{2^{39}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{35}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^{31}, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{16}, 6^5\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{19}, 6^5\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{22}, 6^5\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{25}, 6^5\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{28}, 6^5\})$	133590662743680
6	$\mathcal{O}(3; \{2^{36}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{32}, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{14}, 6^6\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{17}, 6^6\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{20}, 6^6\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{23}, 6^6\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{26}, 6^6\})$	66795331418496
6	$\mathcal{O}(3; \{3^{29}, 6^6\})$	534362651068032
6	$\mathcal{O}(3; \{2^{37}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{33}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^{29}, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^9, 6^7\})$	1019246976

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{21}, 3^{12}, 6^7\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^{15}, 6^7\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{18}, 6^7\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{21}, 6^7\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{24}, 6^7\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{27}, 6^7\})$	267181325580672
6	$\mathcal{O}(3; \{2^{34}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^{30}, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{13}, 6^8\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{16}, 6^8\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{19}, 6^8\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{22}, 6^8\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{25}, 6^8\})$	133590662743680
6	$\mathcal{O}(3; \{2^{31}, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^8, 6^9\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^{11}, 6^9\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{14}, 6^9\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{17}, 6^9\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{20}, 6^9\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{23}, 6^9\})$	66795331418496
6	$\mathcal{O}(3; \{2^{32}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{28}, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^9, 6^{10}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{12}, 6^{10}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{15}, 6^{10}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{18}, 6^{10}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{21}, 6^{10}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{24}, 6^{10}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{29}, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^{25}, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^7, 6^{11}\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^{10}, 6^{11}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{13}, 6^{11}\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{16}, 6^{11}\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{19}, 6^{11}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{22}, 6^{11}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{26}, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^8, 6^{12}\})$	16307485056

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 3^{11}, 6^{12}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{14}, 6^{12}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{17}, 6^{12}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{20}, 6^{12}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{27}, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{23}, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^6, 6^{13}\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^9, 6^{13}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{12}, 6^{13}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{15}, 6^{13}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{18}, 6^{13}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{24}, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 3^4, 6^{14}\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^7, 6^{14}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^{10}, 6^{14}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{13}, 6^{14}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{16}, 6^{14}\})$	16698832877952
6	$\mathcal{O}(3; \{3^{19}, 6^{14}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{21}, 3^2, 6^{15}\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^5, 6^{15}\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^8, 6^{15}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^{11}, 6^{15}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{14}, 6^{15}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{17}, 6^{15}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{22}, 6^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3^3, 6^{16}\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^6, 6^{16}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^9, 6^{16}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{12}, 6^{16}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{15}, 6^{16}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{19}, 3, 6^{17}\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3^4, 6^{17}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^7, 6^{17}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^{10}, 6^{17}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{13}, 6^{17}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{16}, 3^2, 6^{18}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^5, 6^{18}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^8, 6^{18}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^{11}, 6^{18}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{14}, 6^{18}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{17}, 6^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6^{19}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^6, 6^{19}\})$	521838495360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^5, 3^9, 6^{19}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{12}, 6^{19}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{14}, 3, 6^{20}\})$	32614876800
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^{20}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^7, 6^{20}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^{20}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^{21}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^5, 6^{21}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^8, 6^{21}\})$	8349416392320
6	$\mathcal{O}(3; \{2^{12}, 6^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^8, 3^3, 6^{22}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^6, 6^{22}\})$	4174708242816
6	$\mathcal{O}(3; \{3^9, 6^{22}\})$	33397665662592
6	$\mathcal{O}(3; \{2^9, 3, 6^{23}\})$	260919294336
6	$\mathcal{O}(3; \{2^5, 3^4, 6^{23}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^7, 6^{23}\})$	16698832877952
6	$\mathcal{O}(3; \{2^6, 3^2, 6^{24}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^5, 6^{24}\})$	8349416392320
6	$\mathcal{O}(3; \{2^7, 6^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^3, 3^3, 6^{25}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3, 6^{26}\})$	2087354074752
6	$\mathcal{O}(3; \{3^4, 6^{26}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^2, 6^{27}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 6^{28}\})$	4174708242816
6	$\mathcal{O}(2; \{2^{50}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{46}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{42}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{38}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{34}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{30}, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{26}, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^{14}, 3^{29}\})$	231928233120
6	$\mathcal{O}(2; \{2^{10}, 3^{32}\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^{35}\})$	14843406974112
6	$\mathcal{O}(2; \{2^2, 3^{38}\})$	118747255800672
6	$\mathcal{O}(2; \{2^{47}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{43}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{39}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{35}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^{31}, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2^{27}, 3^{18}, 6\})$	226491552

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{23}, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^{24}, 6\})$	14495513760
6	$\mathcal{O}(2; \{2^{15}, 3^{27}, 6\})$	115964117856
6	$\mathcal{O}(2; \{2^{11}, 3^{30}, 6\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^{33}, 6\})$	7421703488352
6	$\mathcal{O}(2; \{2^3, 3^{36}, 6\})$	59373627899040
6	$\mathcal{O}(2; \{2^{48}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{44}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{40}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{36}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{19}, 6^2\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{22}, 6^2\})$	7247758176
6	$\mathcal{O}(2; \{2^{16}, 3^{25}, 6^2\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{28}, 6^2\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{31}, 6^2\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{34}, 6^2\})$	29686813950816
6	$\mathcal{O}(2; \{3^{37}, 6^2\})$	237494511598752
6	$\mathcal{O}(2; \{2^{45}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{41}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{37}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^{17}, 6^3\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{20}, 6^3\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{23}, 6^3\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{26}, 6^3\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{29}, 6^3\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{32}, 6^3\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{35}, 6^3\})$	118747255800672
6	$\mathcal{O}(2; \{2^{46}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{42}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{38}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^9, 6^4\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{18}, 6^4\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{21}, 6^4\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{24}, 6^4\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{27}, 6^4\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{30}, 6^4\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{33}, 6^4\})$	59373627899040

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{43}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{39}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^{35}, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{16}, 6^5\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{19}, 6^5\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{22}, 6^5\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{25}, 6^5\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{28}, 6^5\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{31}, 6^5\})$	29686813950816
6	$\mathcal{O}(2; \{2^{40}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{36}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^8, 6^6\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^{11}, 6^6\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{14}, 6^6\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{17}, 6^6\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{20}, 6^6\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{23}, 6^6\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{26}, 6^6\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{29}, 6^6\})$	14843406974112
6	$\mathcal{O}(2; \{3^{32}, 6^6\})$	118747255800672
6	$\mathcal{O}(2; \{2^{41}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{37}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^{33}, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^{12}, 6^7\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{15}, 6^7\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{18}, 6^7\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{21}, 6^7\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{24}, 6^7\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{27}, 6^7\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{30}, 6^7\})$	59373627899040
6	$\mathcal{O}(2; \{2^{38}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^{34}, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{13}, 6^8\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{16}, 6^8\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{19}, 6^8\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{22}, 6^8\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{25}, 6^8\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{28}, 6^8\})$	29686813950816

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{35}, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^{31}, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{14}, 6^9\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{17}, 6^9\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{20}, 6^9\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{23}, 6^9\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{26}, 6^9\})$	14843406974112
6	$\mathcal{O}(2; \{2^{36}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{32}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{12}, 6^{10}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{15}, 6^{10}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{18}, 6^{10}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{21}, 6^{10}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{24}, 6^{10}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{27}, 6^{10}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{33}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^{29}, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^{10}, 6^{11}\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{13}, 6^{11}\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{16}, 6^{11}\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{19}, 6^{11}\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{22}, 6^{11}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{25}, 6^{11}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{30}, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^{11}, 6^{12}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{14}, 6^{12}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{17}, 6^{12}\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{20}, 6^{12}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{23}, 6^{12}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{31}, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{27}, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^9, 6^{13}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{12}, 6^{13}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{15}, 6^{13}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{18}, 6^{13}\})$	927712935072

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^3, 3^{21}, 6^{13}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{28}, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^{24}, 3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^7, 6^{14}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^{10}, 6^{14}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^{13}, 6^{14}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{16}, 6^{14}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{19}, 6^{14}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{22}, 6^{14}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{25}, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^5, 6^{15}\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^8, 6^{15}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^{11}, 6^{15}\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{14}, 6^{15}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{17}, 6^{15}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{20}, 6^{15}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{26}, 6^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{22}, 3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^6, 6^{16}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^9, 6^{16}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{12}, 6^{16}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{15}, 6^{16}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{18}, 6^{16}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{23}, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^4, 6^{17}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^7, 6^{17}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^{10}, 6^{17}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{13}, 6^{17}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{16}, 6^{17}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{20}, 3^2, 6^{18}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^5, 6^{18}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^8, 6^{18}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^{11}, 6^{18}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{14}, 6^{18}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{17}, 6^{18}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{21}, 6^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3^3, 6^{19}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^6, 6^{19}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^9, 6^{19}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{12}, 6^{19}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{15}, 6^{19}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{18}, 3, 6^{20}\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3^4, 6^{20}\})$	7247758176

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{10}, 3^7, 6^{20}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^{10}, 6^{20}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{13}, 6^{20}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{15}, 3^2, 6^{21}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^5, 6^{21}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^8, 6^{21}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^{11}, 6^{21}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{16}, 6^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{12}, 3^3, 6^{22}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^6, 6^{22}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^9, 6^{22}\})$	927712935072
6	$\mathcal{O}(2; \{3^{12}, 6^{22}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{13}, 3, 6^{23}\})$	7247758176
6	$\mathcal{O}(2; \{2^9, 3^4, 6^{23}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^7, 6^{23}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^{10}, 6^{23}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{10}, 3^2, 6^{24}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^5, 6^{24}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^8, 6^{24}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{11}, 6^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^7, 3^3, 6^{25}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^6, 6^{25}\})$	927712935072
6	$\mathcal{O}(2; \{2^8, 3, 6^{26}\})$	57982057632
6	$\mathcal{O}(2; \{2^4, 3^4, 6^{26}\})$	463856468832
6	$\mathcal{O}(2; \{3^7, 6^{26}\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 3^2, 6^{27}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^5, 6^{27}\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 6^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^2, 3^3, 6^{28}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3, 6^{29}\})$	463856468832
6	$\mathcal{O}(2; \{3^2, 6^{30}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 6^{31}\})$	927712935072
6	$\mathcal{O}(1; \{2^{54}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{50}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{46}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{42}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{38}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{34}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{30}, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{26}, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^{14}, 3^{32}\})$	51539607576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 3^{35}\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3^{38}\})$	3298534883352
6	$\mathcal{O}(1; \{2^2, 3^{41}\})$	26388279066600
6	$\mathcal{O}(1; \{2^{51}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{47}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{43}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{39}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{35}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^{31}, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^{27}, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^{23}, 3^{24}, 6\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3^{27}, 6\})$	3221225496
6	$\mathcal{O}(1; \{2^{15}, 3^{30}, 6\})$	25769803752
6	$\mathcal{O}(1; \{2^{11}, 3^{33}, 6\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3^{36}, 6\})$	1649267441640
6	$\mathcal{O}(1; \{2^3, 3^{39}, 6\})$	13194139533336
6	$\mathcal{O}(1; \{2^{52}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{48}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{44}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{40}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{25}, 6^2\})$	1610612712
6	$\mathcal{O}(1; \{2^{16}, 3^{28}, 6^2\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{31}, 6^2\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{34}, 6^2\})$	824633720856
6	$\mathcal{O}(1; \{2^4, 3^{37}, 6^2\})$	6597069766632
6	$\mathcal{O}(1; \{3^{40}, 6^2\})$	52776558133272
6	$\mathcal{O}(1; \{2^{49}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{45}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{41}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^{25}, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{23}, 6^3\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{26}, 6^3\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{29}, 6^3\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{32}, 6^3\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{35}, 6^3\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{38}, 6^3\})$	26388279066600

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{50}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{46}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{42}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{18}, 6^4\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{24}, 6^4\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{27}, 6^4\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{30}, 6^4\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{33}, 6^4\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{36}, 6^4\})$	13194139533336
6	$\mathcal{O}(1; \{2^{47}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{43}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{39}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{22}, 6^5\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{25}, 6^5\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{28}, 6^5\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{31}, 6^5\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{34}, 6^5\})$	6597069766632
6	$\mathcal{O}(1; \{2^{44}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{40}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{20}, 6^6\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{23}, 6^6\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{26}, 6^6\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{29}, 6^6\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{32}, 6^6\})$	3298534883352
6	$\mathcal{O}(1; \{3^{35}, 6^6\})$	26388279066600
6	$\mathcal{O}(1; \{2^{45}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{41}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{37}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{15}, 6^7\})$	50331672

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{21}, 3^{18}, 6^7\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{21}, 6^7\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{24}, 6^7\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{27}, 6^7\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{30}, 6^7\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{33}, 6^7\})$	13194139533336
6	$\mathcal{O}(1; \{2^{42}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{38}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{19}, 6^8\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{22}, 6^8\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{25}, 6^8\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{28}, 6^8\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{31}, 6^8\})$	6597069766632
6	$\mathcal{O}(1; \{2^{39}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^{11}, 6^9\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{14}, 6^9\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{17}, 6^9\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{20}, 6^9\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{23}, 6^9\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{26}, 6^9\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{29}, 6^9\})$	3298534883352
6	$\mathcal{O}(1; \{2^{40}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{36}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{15}, 6^{10}\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{18}, 6^{10}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{21}, 6^{10}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{24}, 6^{10}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{27}, 6^{10}\})$	1649267441640
6	$\mathcal{O}(1; \{3^{30}, 6^{10}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{37}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{33}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{13}, 6^{11}\})$	201326616

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{17}, 3^{16}, 6^{11}\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{19}, 6^{11}\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{22}, 6^{11}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{25}, 6^{11}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{28}, 6^{11}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{34}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{14}, 6^{12}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{17}, 6^{12}\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{20}, 6^{12}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{23}, 6^{12}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{26}, 6^{12}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{35}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{31}, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{12}, 6^{13}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{15}, 6^{13}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{18}, 6^{13}\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{21}, 6^{13}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{24}, 6^{13}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{32}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^{28}, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^{10}, 6^{14}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{13}, 6^{14}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{16}, 6^{14}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{19}, 6^{14}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{22}, 6^{14}\})$	824633720856
6	$\mathcal{O}(1; \{3^{25}, 6^{14}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{29}, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^8, 6^{15}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^{11}, 6^{15}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{14}, 6^{15}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{17}, 6^{15}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{20}, 6^{15}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{23}, 6^{15}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{30}, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{26}, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^6, 6^{16}\})$	50331672

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{18}, 3^9, 6^{16}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{12}, 6^{16}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{15}, 6^{16}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{18}, 6^{16}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{21}, 6^{16}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{27}, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2^{23}, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^7, 6^{17}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^{10}, 6^{17}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{13}, 6^{17}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{16}, 6^{17}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{19}, 6^{17}\})$	824633720856
6	$\mathcal{O}(1; \{2^{24}, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^5, 6^{18}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^8, 6^{18}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^{11}, 6^{18}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{14}, 6^{18}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{17}, 6^{18}\})$	412316860392
6	$\mathcal{O}(1; \{3^{20}, 6^{18}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{25}, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{21}, 3^3, 6^{19}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^6, 6^{19}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^9, 6^{19}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{12}, 6^{19}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{15}, 6^{19}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{18}, 6^{19}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{22}, 3, 6^{20}\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 3^4, 6^{20}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^7, 6^{20}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6^{20}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{13}, 6^{20}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{16}, 6^{20}\})$	824633720856
6	$\mathcal{O}(1; \{2^{19}, 3^2, 6^{21}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^5, 6^{21}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^8, 6^{21}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^{11}, 6^{21}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{14}, 6^{21}\})$	412316860392
6	$\mathcal{O}(1; \{2^{20}, 6^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 3^3, 6^{22}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^6, 6^{22}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^9, 6^{22}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{12}, 6^{22}\})$	206158430232
6	$\mathcal{O}(1; \{3^{15}, 6^{22}\})$	1649267441640

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{17}, 3, 6^{23}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3^4, 6^{23}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^7, 6^{23}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^{10}, 6^{23}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{13}, 6^{23}\})$	824633720856
6	$\mathcal{O}(1; \{2^{14}, 3^2, 6^{24}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^5, 6^{24}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^8, 6^{24}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^{11}, 6^{24}\})$	412316860392
6	$\mathcal{O}(1; \{2^{15}, 6^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6^{25}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^6, 6^{25}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^9, 6^{25}\})$	206158430232
6	$\mathcal{O}(1; \{2^{12}, 3, 6^{26}\})$	1610612712
6	$\mathcal{O}(1; \{2^8, 3^4, 6^{26}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^7, 6^{26}\})$	103079215080
6	$\mathcal{O}(1; \{3^{10}, 6^{26}\})$	824633720856
6	$\mathcal{O}(1; \{2^9, 3^2, 6^{27}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^5, 6^{27}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^8, 6^{27}\})$	412316860392
6	$\mathcal{O}(1; \{2^{10}, 6^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{28}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{28}\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3, 6^{29}\})$	12884901912
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{29}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{30}\})$	51539607576
6	$\mathcal{O}(1; \{3^5, 6^{30}\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 6^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2, 3^3, 6^{31}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3, 6^{32}\})$	103079215080
6	$\mathcal{O}(1; \{6^{34}\})$	206158430232
6	$\mathcal{O}(0; \{2^{58}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{54}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{50}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{46}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{42}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{38}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{34}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{30}, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{18}, 3^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^{14}, 3^{35}\})$	11453246122

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 3^{38}\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^{41}\})$	733007751850
6	$\mathcal{O}(0; \{2^2, 3^{44}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{55}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{51}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{47}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{43}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{39}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{35}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^{31}, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2^{19}, 3^{30}, 6\})$	715827882
6	$\mathcal{O}(0; \{2^{15}, 3^{33}, 6\})$	5726623062
6	$\mathcal{O}(0; \{2^{11}, 3^{36}, 6\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^{39}, 6\})$	366503875926
6	$\mathcal{O}(0; \{2^3, 3^{42}, 6\})$	2932031007402
6	$\mathcal{O}(0; \{2^{56}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{52}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{48}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{44}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{32}, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{28}, 6^2\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{31}, 6^2\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{34}, 6^2\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{37}, 6^2\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{40}, 6^2\})$	1466015503702
6	$\mathcal{O}(0; \{3^{43}, 6^2\})$	11728124029610
6	$\mathcal{O}(0; \{2^{53}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{49}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{45}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{41}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{26}, 6^3\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{29}, 6^3\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{32}, 6^3\})$	11453246122

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3^{35}, 6^3\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{38}, 6^3\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{41}, 6^3\})$	5864062014806
6	$\mathcal{O}(0; \{2^{54}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{50}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{46}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{27}, 6^4\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{30}, 6^4\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{33}, 6^4\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{36}, 6^4\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{39}, 6^4\})$	2932031007402
6	$\mathcal{O}(0; \{2^{51}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{47}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{43}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{25}, 6^5\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{28}, 6^5\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{31}, 6^5\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{34}, 6^5\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{37}, 6^5\})$	1466015503702
6	$\mathcal{O}(0; \{2^{48}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{44}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{23}, 6^6\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{26}, 6^6\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{29}, 6^6\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{32}, 6^6\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{35}, 6^6\})$	733007751850
6	$\mathcal{O}(0; \{3^{38}, 6^6\})$	5864062014806

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{49}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{45}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{41}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{21}, 6^7\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{24}, 6^7\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{27}, 6^7\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{30}, 6^7\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{33}, 6^7\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{36}, 6^7\})$	2932031007402
6	$\mathcal{O}(0; \{2^{46}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{42}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{19}, 6^8\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{22}, 6^8\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{25}, 6^8\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{28}, 6^8\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{31}, 6^8\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{34}, 6^8\})$	1466015503702
6	$\mathcal{O}(0; \{2^{43}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{20}, 6^9\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{23}, 6^9\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{26}, 6^9\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{29}, 6^9\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{32}, 6^9\})$	733007751850
6	$\mathcal{O}(0; \{2^{44}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{40}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{18}, 6^{10}\})$	89478486

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{16}, 3^{21}, 6^{10}\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{24}, 6^{10}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{27}, 6^{10}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{30}, 6^{10}\})$	366503875926
6	$\mathcal{O}(0; \{3^{33}, 6^{10}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{41}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{37}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{16}, 6^{11}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{19}, 6^{11}\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{22}, 6^{11}\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{25}, 6^{11}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{28}, 6^{11}\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{31}, 6^{11}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{38}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{17}, 6^{12}\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{20}, 6^{12}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{23}, 6^{12}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{26}, 6^{12}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{29}, 6^{12}\})$	733007751850
6	$\mathcal{O}(0; \{2^{39}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{35}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{15}, 6^{13}\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{18}, 6^{13}\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{21}, 6^{13}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{24}, 6^{13}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{27}, 6^{13}\})$	366503875926
6	$\mathcal{O}(0; \{2^{36}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{32}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{13}, 6^{14}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{16}, 6^{14}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{19}, 6^{14}\})$	2863311530

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^8, 3^{22}, 6^{14}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{25}, 6^{14}\})$	183251937962
6	$\mathcal{O}(0; \{3^{28}, 6^{14}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{33}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^{11}, 6^{15}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{14}, 6^{15}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{17}, 6^{15}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{20}, 6^{15}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{23}, 6^{15}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{26}, 6^{15}\})$	733007751850
6	$\mathcal{O}(0; \{2^{34}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{30}, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^9, 6^{16}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{12}, 6^{16}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{15}, 6^{16}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{18}, 6^{16}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{21}, 6^{16}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{24}, 6^{16}\})$	366503875926
6	$\mathcal{O}(0; \{2^{31}, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2^{27}, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^{10}, 6^{17}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{13}, 6^{17}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{16}, 6^{17}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{19}, 6^{17}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{22}, 6^{17}\})$	183251937962
6	$\mathcal{O}(0; \{2^{28}, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^8, 6^{18}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^{11}, 6^{18}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{14}, 6^{18}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{17}, 6^{18}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{20}, 6^{18}\})$	91625968982
6	$\mathcal{O}(0; \{3^{23}, 6^{18}\})$	733007751850
6	$\mathcal{O}(0; \{2^{29}, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{25}, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^6, 6^{19}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^9, 6^{19}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{12}, 6^{19}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{15}, 6^{19}\})$	5726623062

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^5, 3^{18}, 6^{19}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{21}, 6^{19}\})$	366503875926
6	$\mathcal{O}(0; \{2^{26}, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{2^{22}, 3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^7, 6^{20}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6^{20}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6^{20}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{16}, 6^{20}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{19}, 6^{20}\})$	183251937962
6	$\mathcal{O}(0; \{2^{23}, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^5, 6^{21}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^8, 6^{21}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^{21}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{14}, 6^{21}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{17}, 6^{21}\})$	91625968982
6	$\mathcal{O}(0; \{2^{24}, 6^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{20}, 3^3, 6^{22}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^6, 6^{22}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^9, 6^{22}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{12}, 6^{22}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{15}, 6^{22}\})$	45812984490
6	$\mathcal{O}(0; \{3^{18}, 6^{22}\})$	366503875926
6	$\mathcal{O}(0; \{2^{21}, 3, 6^{23}\})$	5592406
6	$\mathcal{O}(0; \{2^{17}, 3^4, 6^{23}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^7, 6^{23}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^{10}, 6^{23}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{13}, 6^{23}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{16}, 6^{23}\})$	183251937962
6	$\mathcal{O}(0; \{2^{18}, 3^2, 6^{24}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^5, 6^{24}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^8, 6^{24}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^{11}, 6^{24}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{14}, 6^{24}\})$	91625968982
6	$\mathcal{O}(0; \{2^{19}, 6^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^3, 6^{25}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^6, 6^{25}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^9, 6^{25}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{12}, 6^{25}\})$	45812984490
6	$\mathcal{O}(0; \{2^{16}, 3, 6^{26}\})$	44739242
6	$\mathcal{O}(0; \{2^{12}, 3^4, 6^{26}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^7, 6^{26}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^{10}, 6^{26}\})$	22906492246
6	$\mathcal{O}(0; \{3^{13}, 6^{26}\})$	183251937962

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6^{27}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^5, 6^{27}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^8, 6^{27}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^{11}, 6^{27}\})$	91625968982
6	$\mathcal{O}(0; \{2^{14}, 6^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^{28}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^6, 6^{28}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^9, 6^{28}\})$	45812984490
6	$\mathcal{O}(0; \{2^{11}, 3, 6^{29}\})$	357913942
6	$\mathcal{O}(0; \{2^7, 3^4, 6^{29}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^7, 6^{29}\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^2, 6^{30}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^5, 6^{30}\})$	11453246122
6	$\mathcal{O}(0; \{3^8, 6^{30}\})$	91625968982
6	$\mathcal{O}(0; \{2^9, 6^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^5, 3^3, 6^{31}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^6, 6^{31}\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3, 6^{32}\})$	2863311530
6	$\mathcal{O}(0; \{2^2, 3^4, 6^{32}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^2, 6^{33}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 6^{34}\})$	5726623062
6	$\mathcal{O}(0; \{3^3, 6^{34}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3, 6^{35}\})$	22906492246
7	$\mathcal{O}(11; \{7^5\})$	4339901363927116734390
7	$\mathcal{O}(8; \{7^{12}\})$	10334408062402779826506
7	$\mathcal{O}(5; \{7^{19}\})$	24589863470005489337430
7	$\mathcal{O}(2; \{7^{26}\})$	58509532765595325433866
8	$\mathcal{O}(10; \{2^3, 8^2\})$	4611686018427387904
8	$\mathcal{O}(10; \{4^2, 8^2\})$	18446744073709551616
8	$\mathcal{O}(9; \{2^7, 8^2\})$	72057594037927936
8	$\mathcal{O}(9; \{2^4, 4^2, 8^2\})$	288230376151711744
8	$\mathcal{O}(9; \{2, 4^4, 8^2\})$	1152921504606846976
8	$\mathcal{O}(9; \{2^2, 4, 8^4\})$	2305843009213693952
8	$\mathcal{O}(9; \{8^6\})$	18446744073709551616
8	$\mathcal{O}(8; \{2^{11}, 8^2\})$	1125899906842624
8	$\mathcal{O}(8; \{2^8, 4^2, 8^2\})$	4503599627370496
8	$\mathcal{O}(8; \{2^5, 4^4, 8^2\})$	18014398509481984
8	$\mathcal{O}(8; \{2^2, 4^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(8; \{2^6, 4, 8^4\})$	36028797018963968
8	$\mathcal{O}(8; \{2^3, 4^3, 8^4\})$	144115188075855872
8	$\mathcal{O}(8; \{4^5, 8^4\})$	576460752303423488
8	$\mathcal{O}(8; \{2^4, 8^6\})$	288230376151711744
8	$\mathcal{O}(8; \{2, 4^2, 8^6\})$	1152921504606846976

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^{15}, 8^2\})$	17592186044416
8	$\mathcal{O}(7; \{2^{12}, 4^2, 8^2\})$	70368744177664
8	$\mathcal{O}(7; \{2^9, 4^4, 8^2\})$	281474976710656
8	$\mathcal{O}(7; \{2^6, 4^6, 8^2\})$	1125899906842624
8	$\mathcal{O}(7; \{2^3, 4^8, 8^2\})$	4503599627370496
8	$\mathcal{O}(7; \{4^{10}, 8^2\})$	18014398509481984
8	$\mathcal{O}(7; \{2^{10}, 4, 8^4\})$	562949953421312
8	$\mathcal{O}(7; \{2^7, 4^3, 8^4\})$	2251799813685248
8	$\mathcal{O}(7; \{2^4, 4^5, 8^4\})$	9007199254740992
8	$\mathcal{O}(7; \{2, 4^7, 8^4\})$	36028797018963968
8	$\mathcal{O}(7; \{2^8, 8^6\})$	4503599627370496
8	$\mathcal{O}(7; \{2^5, 4^2, 8^6\})$	18014398509481984
8	$\mathcal{O}(7; \{2^2, 4^4, 8^6\})$	72057594037927936
8	$\mathcal{O}(7; \{2^3, 4, 8^8\})$	144115188075855872
8	$\mathcal{O}(7; \{4^3, 8^8\})$	576460752303423488
8	$\mathcal{O}(7; \{2, 8^{10}\})$	1152921504606846976
8	$\mathcal{O}(6; \{2^{19}, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^{16}, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{2^{13}, 4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2^{10}, 4^6, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^7, 4^8, 8^2\})$	70368744177664
8	$\mathcal{O}(6; \{2^4, 4^{10}, 8^2\})$	281474976710656
8	$\mathcal{O}(6; \{2, 4^{12}, 8^2\})$	1125899906842624
8	$\mathcal{O}(6; \{2^{14}, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(6; \{2^{11}, 4^3, 8^4\})$	35184372088832
8	$\mathcal{O}(6; \{2^8, 4^5, 8^4\})$	140737488355328
8	$\mathcal{O}(6; \{2^5, 4^7, 8^4\})$	562949953421312
8	$\mathcal{O}(6; \{2^2, 4^9, 8^4\})$	2251799813685248
8	$\mathcal{O}(6; \{2^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(6; \{2^9, 4^2, 8^6\})$	281474976710656
8	$\mathcal{O}(6; \{2^6, 4^4, 8^6\})$	1125899906842624
8	$\mathcal{O}(6; \{2^3, 4^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(6; \{4^8, 8^6\})$	18014398509481984
8	$\mathcal{O}(6; \{2^7, 4, 8^8\})$	2251799813685248
8	$\mathcal{O}(6; \{2^4, 4^3, 8^8\})$	9007199254740992
8	$\mathcal{O}(6; \{2, 4^5, 8^8\})$	36028797018963968
8	$\mathcal{O}(6; \{2^5, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(6; \{2^2, 4^2, 8^{10}\})$	72057594037927936
8	$\mathcal{O}(6; \{4, 8^{12}\})$	576460752303423488
8	$\mathcal{O}(5; \{2^{23}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^{20}, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^{17}, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^{14}, 4^6, 8^2\})$	274877906944

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^{11}, 4^8, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^8, 4^{10}, 8^2\})$	4398046511104
8	$\mathcal{O}(5; \{2^5, 4^{12}, 8^2\})$	17592186044416
8	$\mathcal{O}(5; \{2^2, 4^{14}, 8^2\})$	70368744177664
8	$\mathcal{O}(5; \{2^{18}, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^{15}, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^{12}, 4^5, 8^4\})$	2199023255552
8	$\mathcal{O}(5; \{2^9, 4^7, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^6, 4^9, 8^4\})$	35184372088832
8	$\mathcal{O}(5; \{2^3, 4^{11}, 8^4\})$	140737488355328
8	$\mathcal{O}(5; \{4^{13}, 8^4\})$	562949953421312
8	$\mathcal{O}(5; \{2^{16}, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{2^{13}, 4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(5; \{2^{10}, 4^4, 8^6\})$	17592186044416
8	$\mathcal{O}(5; \{2^7, 4^6, 8^6\})$	70368744177664
8	$\mathcal{O}(5; \{2^4, 4^8, 8^6\})$	281474976710656
8	$\mathcal{O}(5; \{2, 4^{10}, 8^6\})$	1125899906842624
8	$\mathcal{O}(5; \{2^{11}, 4, 8^8\})$	35184372088832
8	$\mathcal{O}(5; \{2^8, 4^3, 8^8\})$	140737488355328
8	$\mathcal{O}(5; \{2^5, 4^5, 8^8\})$	562949953421312
8	$\mathcal{O}(5; \{2^2, 4^7, 8^8\})$	2251799813685248
8	$\mathcal{O}(5; \{2^9, 8^{10}\})$	281474976710656
8	$\mathcal{O}(5; \{2^6, 4^2, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(5; \{2^3, 4^4, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(5; \{4^6, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(5; \{2^4, 4, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(5; \{2, 4^3, 8^{12}\})$	36028797018963968
8	$\mathcal{O}(5; \{2^2, 8^{14}\})$	72057594037927936
8	$\mathcal{O}(4; \{2^{27}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{24}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^{21}, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^{18}, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^{15}, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^{12}, 4^{10}, 8^2\})$	68719476736
8	$\mathcal{O}(4; \{2^9, 4^{12}, 8^2\})$	274877906944
8	$\mathcal{O}(4; \{2^6, 4^{14}, 8^2\})$	1099511627776
8	$\mathcal{O}(4; \{2^3, 4^{16}, 8^2\})$	4398046511104
8	$\mathcal{O}(4; \{4^{18}, 8^2\})$	17592186044416
8	$\mathcal{O}(4; \{2^{22}, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^{19}, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^{16}, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^{13}, 4^7, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^{10}, 4^9, 8^4\})$	549755813888

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^7, 4^{11}, 8^4\})$	2199023255552
8	$\mathcal{O}(4; \{2^4, 4^{13}, 8^4\})$	8796093022208
8	$\mathcal{O}(4; \{2, 4^{15}, 8^4\})$	35184372088832
8	$\mathcal{O}(4; \{2^{20}, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^{17}, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2^{14}, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^{11}, 4^6, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^8, 4^8, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^5, 4^{10}, 8^6\})$	17592186044416
8	$\mathcal{O}(4; \{2^2, 4^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(4; \{2^{15}, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{2^{12}, 4^3, 8^8\})$	2199023255552
8	$\mathcal{O}(4; \{2^9, 4^5, 8^8\})$	8796093022208
8	$\mathcal{O}(4; \{2^6, 4^7, 8^8\})$	35184372088832
8	$\mathcal{O}(4; \{2^3, 4^9, 8^8\})$	140737488355328
8	$\mathcal{O}(4; \{4^{11}, 8^8\})$	562949953421312
8	$\mathcal{O}(4; \{2^{13}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(4; \{2^{10}, 4^2, 8^{10}\})$	17592186044416
8	$\mathcal{O}(4; \{2^7, 4^4, 8^{10}\})$	70368744177664
8	$\mathcal{O}(4; \{2^4, 4^6, 8^{10}\})$	281474976710656
8	$\mathcal{O}(4; \{2, 4^8, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^8, 4, 8^{12}\})$	140737488355328
8	$\mathcal{O}(4; \{2^5, 4^3, 8^{12}\})$	562949953421312
8	$\mathcal{O}(4; \{2^2, 4^5, 8^{12}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^6, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^3, 4^2, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(4; \{4^4, 8^{14}\})$	18014398509481984
8	$\mathcal{O}(4; \{2, 4, 8^{16}\})$	36028797018963968
8	$\mathcal{O}(3; \{2^{31}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{28}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{25}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^{22}, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^{19}, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^{16}, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{13}, 4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^{10}, 4^{14}, 8^2\})$	17179869184
8	$\mathcal{O}(3; \{2^7, 4^{16}, 8^2\})$	68719476736
8	$\mathcal{O}(3; \{2^4, 4^{18}, 8^2\})$	274877906944
8	$\mathcal{O}(3; \{2, 4^{20}, 8^2\})$	1099511627776
8	$\mathcal{O}(3; \{2^{26}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^{23}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^{20}, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^{17}, 4^7, 8^4\})$	2147483648

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{14}, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{11}, 4^{11}, 8^4\})$	34359738368
8	$\mathcal{O}(3; \{2^8, 4^{13}, 8^4\})$	137438953472
8	$\mathcal{O}(3; \{2^5, 4^{15}, 8^4\})$	549755813888
8	$\mathcal{O}(3; \{2^2, 4^{17}, 8^4\})$	2199023255552
8	$\mathcal{O}(3; \{2^{24}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^{21}, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^{18}, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^{15}, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{12}, 4^8, 8^6\})$	68719476736
8	$\mathcal{O}(3; \{2^9, 4^{10}, 8^6\})$	274877906944
8	$\mathcal{O}(3; \{2^6, 4^{12}, 8^6\})$	1099511627776
8	$\mathcal{O}(3; \{2^3, 4^{14}, 8^6\})$	4398046511104
8	$\mathcal{O}(3; \{4^{16}, 8^6\})$	17592186044416
8	$\mathcal{O}(3; \{2^{19}, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^{16}, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^{13}, 4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^{10}, 4^7, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^7, 4^9, 8^8\})$	2199023255552
8	$\mathcal{O}(3; \{2^4, 4^{11}, 8^8\})$	8796093022208
8	$\mathcal{O}(3; \{2, 4^{13}, 8^8\})$	35184372088832
8	$\mathcal{O}(3; \{2^{17}, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2^{14}, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(3; \{2^{11}, 4^4, 8^{10}\})$	1099511627776
8	$\mathcal{O}(3; \{2^8, 4^6, 8^{10}\})$	4398046511104
8	$\mathcal{O}(3; \{2^5, 4^8, 8^{10}\})$	17592186044416
8	$\mathcal{O}(3; \{2^2, 4^{10}, 8^{10}\})$	70368744177664
8	$\mathcal{O}(3; \{2^{12}, 4, 8^{12}\})$	2199023255552
8	$\mathcal{O}(3; \{2^9, 4^3, 8^{12}\})$	8796093022208
8	$\mathcal{O}(3; \{2^6, 4^5, 8^{12}\})$	35184372088832
8	$\mathcal{O}(3; \{2^3, 4^7, 8^{12}\})$	140737488355328
8	$\mathcal{O}(3; \{4^9, 8^{12}\})$	562949953421312
8	$\mathcal{O}(3; \{2^{10}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(3; \{2^7, 4^2, 8^{14}\})$	70368744177664
8	$\mathcal{O}(3; \{2^4, 4^4, 8^{14}\})$	281474976710656
8	$\mathcal{O}(3; \{2, 4^6, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(3; \{2^5, 4, 8^{16}\})$	562949953421312
8	$\mathcal{O}(3; \{2^2, 4^3, 8^{16}\})$	2251799813685248
8	$\mathcal{O}(3; \{2^3, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(3; \{4^2, 8^{18}\})$	18014398509481984
8	$\mathcal{O}(2; \{2^{35}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{32}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{29}, 4^4, 8^2\})$	262144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{26}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{23}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^{20}, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{17}, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2^{14}, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{11}, 4^{16}, 8^2\})$	1073741824
8	$\mathcal{O}(2; \{2^8, 4^{18}, 8^2\})$	4294967296
8	$\mathcal{O}(2; \{2^5, 4^{20}, 8^2\})$	17179869184
8	$\mathcal{O}(2; \{2^2, 4^{22}, 8^2\})$	68719476736
8	$\mathcal{O}(2; \{2^{30}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{27}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{24}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^{21}, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^{18}, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{15}, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{12}, 4^{13}, 8^4\})$	2147483648
8	$\mathcal{O}(2; \{2^9, 4^{15}, 8^4\})$	8589934592
8	$\mathcal{O}(2; \{2^6, 4^{17}, 8^4\})$	34359738368
8	$\mathcal{O}(2; \{2^3, 4^{19}, 8^4\})$	137438953472
8	$\mathcal{O}(2; \{4^{21}, 8^4\})$	549755813888
8	$\mathcal{O}(2; \{2^{28}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{25}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^{22}, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^{19}, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^{16}, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^{13}, 4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^{10}, 4^{12}, 8^6\})$	17179869184
8	$\mathcal{O}(2; \{2^7, 4^{14}, 8^6\})$	68719476736
8	$\mathcal{O}(2; \{2^4, 4^{16}, 8^6\})$	274877906944
8	$\mathcal{O}(2; \{2, 4^{18}, 8^6\})$	1099511627776
8	$\mathcal{O}(2; \{2^{23}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^{20}, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^{17}, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^{14}, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{11}, 4^9, 8^8\})$	34359738368
8	$\mathcal{O}(2; \{2^8, 4^{11}, 8^8\})$	137438953472
8	$\mathcal{O}(2; \{2^5, 4^{13}, 8^8\})$	549755813888
8	$\mathcal{O}(2; \{2^2, 4^{15}, 8^8\})$	2199023255552
8	$\mathcal{O}(2; \{2^{21}, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^{18}, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^{15}, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^{12}, 4^6, 8^{10}\})$	68719476736
8	$\mathcal{O}(2; \{2^9, 4^8, 8^{10}\})$	274877906944

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^6, 4^{10}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(2; \{2^3, 4^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(2; \{4^{14}, 8^{10}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{16}, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{2^{13}, 4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2^{10}, 4^5, 8^{12}\})$	549755813888
8	$\mathcal{O}(2; \{2^7, 4^7, 8^{12}\})$	2199023255552
8	$\mathcal{O}(2; \{2^4, 4^9, 8^{12}\})$	8796093022208
8	$\mathcal{O}(2; \{2, 4^{11}, 8^{12}\})$	35184372088832
8	$\mathcal{O}(2; \{2^{14}, 8^{14}\})$	274877906944
8	$\mathcal{O}(2; \{2^{11}, 4^2, 8^{14}\})$	1099511627776
8	$\mathcal{O}(2; \{2^8, 4^4, 8^{14}\})$	4398046511104
8	$\mathcal{O}(2; \{2^5, 4^6, 8^{14}\})$	17592186044416
8	$\mathcal{O}(2; \{2^2, 4^8, 8^{14}\})$	70368744177664
8	$\mathcal{O}(2; \{2^9, 4, 8^{16}\})$	8796093022208
8	$\mathcal{O}(2; \{2^6, 4^3, 8^{16}\})$	35184372088832
8	$\mathcal{O}(2; \{2^3, 4^5, 8^{16}\})$	140737488355328
8	$\mathcal{O}(2; \{4^7, 8^{16}\})$	562949953421312
8	$\mathcal{O}(2; \{2^7, 8^{18}\})$	70368744177664
8	$\mathcal{O}(2; \{2^4, 4^2, 8^{18}\})$	281474976710656
8	$\mathcal{O}(2; \{2, 4^4, 8^{18}\})$	1125899906842624
8	$\mathcal{O}(2; \{2^2, 4, 8^{20}\})$	2251799813685248
8	$\mathcal{O}(2; \{8^{22}\})$	18014398509481984
8	$\mathcal{O}(1; \{2^{39}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{36}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{33}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{30}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{27}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{24}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^{21}, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^{18}, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{15}, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{12}, 4^{18}, 8^2\})$	67108864
8	$\mathcal{O}(1; \{2^9, 4^{20}, 8^2\})$	268435456
8	$\mathcal{O}(1; \{2^6, 4^{22}, 8^2\})$	1073741824
8	$\mathcal{O}(1; \{2^3, 4^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(1; \{4^{26}, 8^2\})$	17179869184
8	$\mathcal{O}(1; \{2^{34}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{31}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{28}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{25}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^{22}, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^{19}, 4^{11}, 8^4\})$	8388608

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{16}, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{13}, 4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^{10}, 4^{17}, 8^4\})$	536870912
8	$\mathcal{O}(1; \{2^7, 4^{19}, 8^4\})$	2147483648
8	$\mathcal{O}(1; \{2^4, 4^{21}, 8^4\})$	8589934592
8	$\mathcal{O}(1; \{2, 4^{23}, 8^4\})$	34359738368
8	$\mathcal{O}(1; \{2^{32}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{29}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{26}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{23}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{20}, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^{17}, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{14}, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{11}, 4^{14}, 8^6\})$	1073741824
8	$\mathcal{O}(1; \{2^8, 4^{16}, 8^6\})$	4294967296
8	$\mathcal{O}(1; \{2^5, 4^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(1; \{2^2, 4^{20}, 8^6\})$	68719476736
8	$\mathcal{O}(1; \{2^{27}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{24}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^{21}, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^{18}, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^{15}, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{12}, 4^{11}, 8^8\})$	2147483648
8	$\mathcal{O}(1; \{2^9, 4^{13}, 8^8\})$	8589934592
8	$\mathcal{O}(1; \{2^6, 4^{15}, 8^8\})$	34359738368
8	$\mathcal{O}(1; \{2^3, 4^{17}, 8^8\})$	137438953472
8	$\mathcal{O}(1; \{4^{19}, 8^8\})$	549755813888
8	$\mathcal{O}(1; \{2^{25}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^{22}, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^{19}, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^{16}, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{13}, 4^8, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^{10}, 4^{10}, 8^{10}\})$	17179869184
8	$\mathcal{O}(1; \{2^7, 4^{12}, 8^{10}\})$	68719476736
8	$\mathcal{O}(1; \{2^4, 4^{14}, 8^{10}\})$	274877906944
8	$\mathcal{O}(1; \{2, 4^{16}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{20}, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^{17}, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^{14}, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^{11}, 4^7, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^8, 4^9, 8^{12}\})$	137438953472
8	$\mathcal{O}(1; \{2^5, 4^{11}, 8^{12}\})$	549755813888
8	$\mathcal{O}(1; \{2^2, 4^{13}, 8^{12}\})$	2199023255552

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{18}, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^{15}, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{2^{12}, 4^4, 8^{14}\})$	68719476736
8	$\mathcal{O}(1; \{2^9, 4^6, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^6, 4^8, 8^{14}\})$	1099511627776
8	$\mathcal{O}(1; \{2^3, 4^{10}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(1; \{4^{12}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(1; \{2^{13}, 4, 8^{16}\})$	137438953472
8	$\mathcal{O}(1; \{2^{10}, 4^3, 8^{16}\})$	549755813888
8	$\mathcal{O}(1; \{2^7, 4^5, 8^{16}\})$	2199023255552
8	$\mathcal{O}(1; \{2^4, 4^7, 8^{16}\})$	8796093022208
8	$\mathcal{O}(1; \{2, 4^9, 8^{16}\})$	35184372088832
8	$\mathcal{O}(1; \{2^{11}, 8^{18}\})$	1099511627776
8	$\mathcal{O}(1; \{2^8, 4^2, 8^{18}\})$	4398046511104
8	$\mathcal{O}(1; \{2^5, 4^4, 8^{18}\})$	17592186044416
8	$\mathcal{O}(1; \{2^2, 4^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(1; \{2^6, 4, 8^{20}\})$	35184372088832
8	$\mathcal{O}(1; \{2^3, 4^3, 8^{20}\})$	140737488355328
8	$\mathcal{O}(1; \{4^5, 8^{20}\})$	562949953421312
8	$\mathcal{O}(1; \{2^4, 8^{22}\})$	281474976710656
8	$\mathcal{O}(1; \{2, 4^2, 8^{22}\})$	1125899906842624
8	$\mathcal{O}(0; \{2^{43}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{40}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{37}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{34}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{31}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{28}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{25}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^{22}, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{19}, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{16}, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{13}, 4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^{10}, 4^{22}, 8^2\})$	16777216
8	$\mathcal{O}(0; \{2^7, 4^{24}, 8^2\})$	67108864
8	$\mathcal{O}(0; \{2^4, 4^{26}, 8^2\})$	268435456
8	$\mathcal{O}(0; \{2, 4^{28}, 8^2\})$	1073741824
8	$\mathcal{O}(0; \{2^{38}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{35}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{32}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{29}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{26}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{23}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{20}, 4^{13}, 8^4\})$	524288

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{17}, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{14}, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{11}, 4^{19}, 8^4\})$	33554432
8	$\mathcal{O}(0; \{2^8, 4^{21}, 8^4\})$	134217728
8	$\mathcal{O}(0; \{2^5, 4^{23}, 8^4\})$	536870912
8	$\mathcal{O}(0; \{2^2, 4^{25}, 8^4\})$	2147483648
8	$\mathcal{O}(0; \{2^{36}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{33}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{30}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{27}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{24}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{21}, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{18}, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{15}, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{12}, 4^{16}, 8^6\})$	67108864
8	$\mathcal{O}(0; \{2^9, 4^{18}, 8^6\})$	268435456
8	$\mathcal{O}(0; \{2^6, 4^{20}, 8^6\})$	1073741824
8	$\mathcal{O}(0; \{2^3, 4^{22}, 8^6\})$	4294967296
8	$\mathcal{O}(0; \{4^{24}, 8^6\})$	17179869184
8	$\mathcal{O}(0; \{2^{31}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{28}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{25}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^{22}, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^{19}, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{16}, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{13}, 4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^{10}, 4^{15}, 8^8\})$	536870912
8	$\mathcal{O}(0; \{2^7, 4^{17}, 8^8\})$	2147483648
8	$\mathcal{O}(0; \{2^4, 4^{19}, 8^8\})$	8589934592
8	$\mathcal{O}(0; \{2, 4^{21}, 8^8\})$	34359738368
8	$\mathcal{O}(0; \{2^{29}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{26}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{23}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^{20}, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^{17}, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{14}, 4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^{11}, 4^{12}, 8^{10}\})$	1073741824
8	$\mathcal{O}(0; \{2^8, 4^{14}, 8^{10}\})$	4294967296
8	$\mathcal{O}(0; \{2^5, 4^{16}, 8^{10}\})$	17179869184
8	$\mathcal{O}(0; \{2^2, 4^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(0; \{2^{24}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^{21}, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^{18}, 4^5, 8^{12}\})$	134217728

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{15}, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^{12}, 4^9, 8^{12}\})$	2147483648
8	$\mathcal{O}(0; \{2^9, 4^{11}, 8^{12}\})$	8589934592
8	$\mathcal{O}(0; \{2^6, 4^{13}, 8^{12}\})$	34359738368
8	$\mathcal{O}(0; \{2^3, 4^{15}, 8^{12}\})$	137438953472
8	$\mathcal{O}(0; \{4^{17}, 8^{12}\})$	549755813888
8	$\mathcal{O}(0; \{2^{22}, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^{19}, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^{16}, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^{13}, 4^6, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^{10}, 4^8, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^7, 4^{10}, 8^{14}\})$	68719476736
8	$\mathcal{O}(0; \{2^4, 4^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(0; \{2, 4^{14}, 8^{14}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{17}, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2^{14}, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^{11}, 4^5, 8^{16}\})$	34359738368
8	$\mathcal{O}(0; \{2^8, 4^7, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^5, 4^9, 8^{16}\})$	549755813888
8	$\mathcal{O}(0; \{2^2, 4^{11}, 8^{16}\})$	2199023255552
8	$\mathcal{O}(0; \{2^{15}, 8^{18}\})$	17179869184
8	$\mathcal{O}(0; \{2^{12}, 4^2, 8^{18}\})$	68719476736
8	$\mathcal{O}(0; \{2^9, 4^4, 8^{18}\})$	274877906944
8	$\mathcal{O}(0; \{2^6, 4^6, 8^{18}\})$	1099511627776
8	$\mathcal{O}(0; \{2^3, 4^8, 8^{18}\})$	4398046511104
8	$\mathcal{O}(0; \{4^{10}, 8^{18}\})$	17592186044416
8	$\mathcal{O}(0; \{2^{10}, 4, 8^{20}\})$	549755813888
8	$\mathcal{O}(0; \{2^7, 4^3, 8^{20}\})$	2199023255552
8	$\mathcal{O}(0; \{2^4, 4^5, 8^{20}\})$	8796093022208
8	$\mathcal{O}(0; \{2, 4^7, 8^{20}\})$	35184372088832
8	$\mathcal{O}(0; \{2^8, 8^{22}\})$	4398046511104
8	$\mathcal{O}(0; \{2^5, 4^2, 8^{22}\})$	17592186044416
8	$\mathcal{O}(0; \{2^2, 4^4, 8^{22}\})$	70368744177664
8	$\mathcal{O}(0; \{2^3, 4, 8^{24}\})$	140737488355328
8	$\mathcal{O}(0; \{4^3, 8^{24}\})$	562949953421312
8	$\mathcal{O}(0; \{2, 8^{26}\})$	1125899906842624
9	$\mathcal{O}(8; \{3^2, 9^4\})$	1200757082375992968
9	$\mathcal{O}(7; \{3^5, 9^4\})$	118593292086517824
9	$\mathcal{O}(7; \{3, 9^7\})$	1400883262771991796
9	$\mathcal{O}(6; \{3^8, 9^4\})$	11712917736940032
9	$\mathcal{O}(6; \{3^4, 9^7\})$	138358840767604128
9	$\mathcal{O}(6; \{9^{10}\})$	1901198713761988866
9	$\mathcal{O}(5; \{3^{11}, 9^4\})$	1156831381426176

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(5; \{3^7, 9^7\})$	13665070693096704
9	$\mathcal{O}(5; \{3^3, 9^{10}\})$	187772712470319888
9	$\mathcal{O}(4; \{3^{14}, 9^4\})$	114254951251968
9	$\mathcal{O}(4; \{3^{10}, 9^7\})$	1349636611663872
9	$\mathcal{O}(4; \{3^6, 9^{10}\})$	18545453083488384
9	$\mathcal{O}(4; \{3^2, 9^{13}\})$	249814573608174120
9	$\mathcal{O}(3; \{3^{17}, 9^4\})$	11284439629824
9	$\mathcal{O}(3; \{3^{13}, 9^7\})$	133297443127296
9	$\mathcal{O}(3; \{3^9, 9^{10}\})$	1831649687258112
9	$\mathcal{O}(3; \{3^5, 9^{13}\})$	24673044306980160
9	$\mathcal{O}(3; \{3, 9^{16}\})$	333177605314052004
9	$\mathcal{O}(2; \{3^{20}, 9^4\})$	1114512556032
9	$\mathcal{O}(2; \{3^{16}, 9^7\})$	13165179568128
9	$\mathcal{O}(2; \{3^{12}, 9^{10}\})$	180903672815616
9	$\mathcal{O}(2; \{3^8, 9^{13}\})$	2436843882170880
9	$\mathcal{O}(2; \{3^4, 9^{16}\})$	32906430154474272
9	$\mathcal{O}(2; \{9^{19}\})$	444221555890432698
9	$\mathcal{O}(1; \{3^{23}, 9^4\})$	110075314176
9	$\mathcal{O}(1; \{3^{19}, 9^7\})$	1300264648704
9	$\mathcal{O}(1; \{3^{15}, 9^{10}\})$	17867029413888
9	$\mathcal{O}(1; \{3^{11}, 9^{13}\})$	240675938979840
9	$\mathcal{O}(1; \{3^7, 9^{16}\})$	3250017793034496
9	$\mathcal{O}(1; \{3^3, 9^{19}\})$	43873733915104464
9	$\mathcal{O}(0; \{3^{26}, 9^4\})$	10871635968
9	$\mathcal{O}(0; \{3^{22}, 9^7\})$	128421199872
9	$\mathcal{O}(0; \{3^{18}, 9^{10}\})$	1764644880384
9	$\mathcal{O}(0; \{3^{14}, 9^{13}\})$	23770463109120
9	$\mathcal{O}(0; \{3^{10}, 9^{16}\})$	320989411657728
9	$\mathcal{O}(0; \{3^6, 9^{19}\})$	4333208287911552
9	$\mathcal{O}(0; \{3^2, 9^{22}\})$	58498562935282824
10	$\mathcal{O}(9; \{2^2\})$	99999999999737856
10	$\mathcal{O}(8; \{2^6\})$	999999999934464
10	$\mathcal{O}(8; \{2, 5^2, 10\})$	12000000000000000
10	$\mathcal{O}(7; \{2^{10}\})$	9999999983616
10	$\mathcal{O}(7; \{2^2, 5^5\})$	20400000000000000
10	$\mathcal{O}(7; \{2^5, 5^2, 10\})$	12000000000000000
10	$\mathcal{O}(7; \{5^4, 10^2\})$	82000000000000000
10	$\mathcal{O}(7; \{2^3, 5, 10^3\})$	52000000000000000
10	$\mathcal{O}(7; \{2, 10^5\})$	20400000000000000
10	$\mathcal{O}(6; \{2^{14}\})$	999999995904
10	$\mathcal{O}(6; \{2^6, 5^5\})$	20400000000000000
10	$\mathcal{O}(6; \{2^9, 5^2, 10\})$	12000000000000000
10	$\mathcal{O}(6; \{2, 5^7, 10\})$	13108000000000000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(6; \{2^4, 5^4, 10^2\})$	820000000000000
10	$\mathcal{O}(6; \{2^7, 5, 10^3\})$	520000000000000
10	$\mathcal{O}(6; \{2^2, 5^3, 10^4\})$	3276000000000000
10	$\mathcal{O}(6; \{2^5, 10^5\})$	2040000000000000
10	$\mathcal{O}(6; \{5^2, 10^6\})$	13108000000000000
10	$\mathcal{O}(5; \{2^{18}\})$	9999998976
10	$\mathcal{O}(5; \{2^{10}, 5^5\})$	204000000000000
10	$\mathcal{O}(5; \{2^2, 5^{10}\})$	2097160000000000
10	$\mathcal{O}(5; \{2^{13}, 5^2, 10\})$	1200000000000
10	$\mathcal{O}(5; \{2^5, 5^7, 10\})$	1310800000000000
10	$\mathcal{O}(5; \{2^8, 5^4, 10^2\})$	820000000000000
10	$\mathcal{O}(5; \{5^9, 10^2\})$	8388600000000000
10	$\mathcal{O}(5; \{2^{11}, 5, 10^3\})$	520000000000000
10	$\mathcal{O}(5; \{2^3, 5^6, 10^3\})$	5242800000000000
10	$\mathcal{O}(5; \{2^6, 5^3, 10^4\})$	3276000000000000
10	$\mathcal{O}(5; \{2^9, 10^5\})$	204000000000000
10	$\mathcal{O}(5; \{2, 5^5, 10^5\})$	2097160000000000
10	$\mathcal{O}(5; \{2^4, 5^2, 10^6\})$	1310800000000000
10	$\mathcal{O}(5; \{2^2, 5, 10^8\})$	5242800000000000
10	$\mathcal{O}(5; \{10^{10}\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{22}\})$	99999744
10	$\mathcal{O}(4; \{2^{14}, 5^5\})$	204000000000
10	$\mathcal{O}(4; \{2^6, 5^{10}\})$	209716000000000
10	$\mathcal{O}(4; \{2^{17}, 5^2, 10\})$	1200000000
10	$\mathcal{O}(4; \{2^9, 5^7, 10\})$	131080000000000
10	$\mathcal{O}(4; \{2, 5^{12}, 10\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{12}, 5^4, 10^2\})$	820000000000
10	$\mathcal{O}(4; \{2^4, 5^9, 10^2\})$	838860000000000
10	$\mathcal{O}(4; \{2^{15}, 5, 10^3\})$	5200000000
10	$\mathcal{O}(4; \{2^7, 5^6, 10^3\})$	524280000000000
10	$\mathcal{O}(4; \{2^{10}, 5^3, 10^4\})$	3276000000000
10	$\mathcal{O}(4; \{2^2, 5^8, 10^4\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{13}, 10^5\})$	204000000000
10	$\mathcal{O}(4; \{2^5, 5^5, 10^5\})$	209716000000000
10	$\mathcal{O}(4; \{2^8, 5^2, 10^6\})$	131080000000000
10	$\mathcal{O}(4; \{5^7, 10^6\})$	1342177200000000
10	$\mathcal{O}(4; \{2^3, 5^4, 10^7\})$	838860000000000
10	$\mathcal{O}(4; \{2^6, 5, 10^8\})$	524280000000000
10	$\mathcal{O}(4; \{2, 5^3, 10^9\})$	3355444000000000
10	$\mathcal{O}(4; \{2^4, 10^{10}\})$	209716000000000
10	$\mathcal{O}(3; \{2^{26}\})$	999936
10	$\mathcal{O}(3; \{2^{18}, 5^5\})$	204000000
10	$\mathcal{O}(3; \{2^{10}, 5^{10}\})$	209716000000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^2, 5^{15}\})$	214748364000000
10	$\mathcal{O}(3; \{2^{21}, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{2^{13}, 5^7, 10\})$	13108000000
10	$\mathcal{O}(3; \{2^5, 5^{12}, 10\})$	13421772000000
10	$\mathcal{O}(3; \{2^{16}, 5^4, 10^2\})$	820000000
10	$\mathcal{O}(3; \{2^8, 5^9, 10^2\})$	838860000000
10	$\mathcal{O}(3; \{5^{14}, 10^2\})$	858993460000000
10	$\mathcal{O}(3; \{2^{19}, 5, 10^3\})$	52000000
10	$\mathcal{O}(3; \{2^{11}, 5^6, 10^3\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^{11}, 10^3\})$	53687092000000
10	$\mathcal{O}(3; \{2^{14}, 5^3, 10^4\})$	3276000000
10	$\mathcal{O}(3; \{2^6, 5^8, 10^4\})$	3355444000000
10	$\mathcal{O}(3; \{2^{17}, 10^5\})$	204000000
10	$\mathcal{O}(3; \{2^9, 5^5, 10^5\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^{10}, 10^5\})$	214748364000000
10	$\mathcal{O}(3; \{2^{12}, 5^2, 10^6\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^7, 10^6\})$	13421772000000
10	$\mathcal{O}(3; \{2^7, 5^4, 10^7\})$	838860000000
10	$\mathcal{O}(3; \{2^{10}, 5, 10^8\})$	52428000000
10	$\mathcal{O}(3; \{2^2, 5^6, 10^8\})$	53687092000000
10	$\mathcal{O}(3; \{2^5, 5^3, 10^9\})$	3355444000000
10	$\mathcal{O}(3; \{2^8, 10^{10}\})$	209716000000
10	$\mathcal{O}(3; \{5^5, 10^{10}\})$	214748364000000
10	$\mathcal{O}(3; \{2^3, 5^2, 10^{11}\})$	13421772000000
10	$\mathcal{O}(3; \{2, 5, 10^{13}\})$	53687092000000
10	$\mathcal{O}(2; \{2^{30}\})$	9984
10	$\mathcal{O}(2; \{2^{22}, 5^5\})$	2040000
10	$\mathcal{O}(2; \{2^{14}, 5^{10}\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^{15}\})$	2147483640000
10	$\mathcal{O}(2; \{2^{25}, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2^{17}, 5^7, 10\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^{12}, 10\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^{17}, 10\})$	137438953480000
10	$\mathcal{O}(2; \{2^{20}, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{2^{12}, 5^9, 10^2\})$	83886000000
10	$\mathcal{O}(2; \{2^4, 5^{14}, 10^2\})$	85899346000000
10	$\mathcal{O}(2; \{2^{23}, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{2^{15}, 5^6, 10^3\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^{11}, 10^3\})$	536870920000
10	$\mathcal{O}(2; \{2^{18}, 5^3, 10^4\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5^8, 10^4\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^{13}, 10^4\})$	34359738360000
10	$\mathcal{O}(2; \{2^{21}, 10^5\})$	2040000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^{13}, 5^5, 10^5\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^{10}, 10^5\})$	2147483640000
10	$\mathcal{O}(2; \{2^{16}, 5^2, 10^6\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^7, 10^6\})$	134217720000
10	$\mathcal{O}(2; \{5^{12}, 10^6\})$	137438953480000
10	$\mathcal{O}(2; \{2^{11}, 5^4, 10^7\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^9, 10^7\})$	8589934600000
10	$\mathcal{O}(2; \{2^{14}, 5, 10^8\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^6, 10^8\})$	536870920000
10	$\mathcal{O}(2; \{2^9, 5^3, 10^9\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^8, 10^9\})$	34359738360000
10	$\mathcal{O}(2; \{2^{12}, 10^{10}\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^5, 10^{10}\})$	2147483640000
10	$\mathcal{O}(2; \{2^7, 5^2, 10^{11}\})$	134217720000
10	$\mathcal{O}(2; \{2^2, 5^4, 10^{12}\})$	8589934600000
10	$\mathcal{O}(2; \{2^5, 5, 10^{13}\})$	536870920000
10	$\mathcal{O}(2; \{5^3, 10^{14}\})$	34359738360000
10	$\mathcal{O}(2; \{2^3, 10^{15}\})$	2147483640000
10	$\mathcal{O}(1; \{2^{34}\})$	96
10	$\mathcal{O}(1; \{2^{26}, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^{18}, 5^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^{15}\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^{20}\})$	21990232555600
10	$\mathcal{O}(1; \{2^{29}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^{21}, 5^7, 10\})$	1310800
10	$\mathcal{O}(1; \{2^{13}, 5^{12}, 10\})$	1342177200
10	$\mathcal{O}(1; \{2^5, 5^{17}, 10\})$	1374389534800
10	$\mathcal{O}(1; \{2^{24}, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^{16}, 5^9, 10^2\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^{14}, 10^2\})$	85899346000
10	$\mathcal{O}(1; \{5^{19}, 10^2\})$	87960930222000
10	$\mathcal{O}(1; \{2^{27}, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2^{19}, 5^6, 10^3\})$	5242800
10	$\mathcal{O}(1; \{2^{11}, 5^{11}, 10^3\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^{16}, 10^3\})$	5497558138800
10	$\mathcal{O}(1; \{2^{22}, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{2^{14}, 5^8, 10^4\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^{13}, 10^4\})$	343597383600
10	$\mathcal{O}(1; \{2^{25}, 10^5\})$	20400
10	$\mathcal{O}(1; \{2^{17}, 5^5, 10^5\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^{10}, 10^5\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^{15}, 10^5\})$	21990232555600
10	$\mathcal{O}(1; \{2^{20}, 5^2, 10^6\})$	1310800

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{12}, 5^7, 10^6\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^{12}, 10^6\})$	1374389534800
10	$\mathcal{O}(1; \{2^{15}, 5^4, 10^7\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^9, 10^7\})$	85899346000
10	$\mathcal{O}(1; \{2^{18}, 5, 10^8\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^6, 10^8\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^{11}, 10^8\})$	5497558138800
10	$\mathcal{O}(1; \{2^{13}, 5^3, 10^9\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^8, 10^9\})$	343597383600
10	$\mathcal{O}(1; \{2^{16}, 10^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^5, 10^{10}\})$	21474836400
10	$\mathcal{O}(1; \{5^{10}, 10^{10}\})$	21990232555600
10	$\mathcal{O}(1; \{2^{11}, 5^2, 10^{11}\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^7, 10^{11}\})$	1374389534800
10	$\mathcal{O}(1; \{2^6, 5^4, 10^{12}\})$	85899346000
10	$\mathcal{O}(1; \{2^9, 5, 10^{13}\})$	5368709200
10	$\mathcal{O}(1; \{2, 5^6, 10^{13}\})$	5497558138800
10	$\mathcal{O}(1; \{2^4, 5^3, 10^{14}\})$	343597383600
10	$\mathcal{O}(1; \{2^7, 10^{15}\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^2, 10^{16}\})$	1374389534800
10	$\mathcal{O}(1; \{5, 10^{18}\})$	5497558138800
10	$\mathcal{O}(0; \{2^{30}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^{22}, 5^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{14}, 5^{15}\})$	214748364
10	$\mathcal{O}(0; \{2^6, 5^{20}\})$	219902325556
10	$\mathcal{O}(0; \{2^{33}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^{25}, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^{17}, 5^{12}, 10\})$	13421772
10	$\mathcal{O}(0; \{2^9, 5^{17}, 10\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^{22}, 10\})$	14073748835532
10	$\mathcal{O}(0; \{2^{28}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^{20}, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^{14}, 10^2\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{19}, 10^2\})$	879609302220
10	$\mathcal{O}(0; \{2^{31}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^{23}, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2^{15}, 5^{11}, 10^3\})$	53687092
10	$\mathcal{O}(0; \{2^7, 5^{16}, 10^3\})$	54975581388
10	$\mathcal{O}(0; \{2^{26}, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^{18}, 5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^{13}, 10^4\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{18}, 10^4\})$	3518437208884
10	$\mathcal{O}(0; \{2^{29}, 10^5\})$	204

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{21}, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2^{13}, 5^{10}, 10^5\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^{15}, 10^5\})$	219902325556
10	$\mathcal{O}(0; \{2^{24}, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{2^{16}, 5^7, 10^6\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^{12}, 10^6\})$	13743895348
10	$\mathcal{O}(0; \{5^{17}, 10^6\})$	14073748835532
10	$\mathcal{O}(0; \{2^{19}, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^9, 10^7\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{14}, 10^7\})$	879609302220
10	$\mathcal{O}(0; \{2^{22}, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{2^{14}, 5^6, 10^8\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^{11}, 10^8\})$	54975581388
10	$\mathcal{O}(0; \{2^{17}, 5^3, 10^9\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^8, 10^9\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{13}, 10^9\})$	3518437208884
10	$\mathcal{O}(0; \{2^{20}, 10^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{12}, 5^5, 10^{10}\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^{10}, 10^{10}\})$	219902325556
10	$\mathcal{O}(0; \{2^{15}, 5^2, 10^{11}\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^7, 10^{11}\})$	13743895348
10	$\mathcal{O}(0; \{2^{10}, 5^4, 10^{12}\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^9, 10^{12}\})$	879609302220
10	$\mathcal{O}(0; \{2^{13}, 5, 10^{13}\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^6, 10^{13}\})$	54975581388
10	$\mathcal{O}(0; \{2^8, 5^3, 10^{14}\})$	3435973836
10	$\mathcal{O}(0; \{5^8, 10^{14}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{11}, 10^{15}\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^5, 10^{15}\})$	219902325556
10	$\mathcal{O}(0; \{2^6, 5^2, 10^{16}\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^4, 10^{17}\})$	879609302220
10	$\mathcal{O}(0; \{2^4, 5, 10^{18}\})$	54975581388
10	$\mathcal{O}(0; \{2^2, 10^{20}\})$	219902325556
11	$\mathcal{O}(6; \{11^6\})$	285314523727706110
11	$\mathcal{O}(1; \{11^{17}\})$	1099999999999999890
12	$\mathcal{O}(6; \{3^4, 4^2\})$	106993205379072
12	$\mathcal{O}(6; \{2, 3^2, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^3, 4, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 3, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{4, 6^3, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 3^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{2^3, 6, 12^2\})$	35664401793024

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(6; \{4^2, 6, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{3, 6^2, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{3, 4, 12^3\})$	427972821516288
12	$\mathcal{O}(6; \{2, 12^4\})$	427972821516288
12	$\mathcal{O}(5; \{2^4, 3^4, 4^2\})$	743008370688
12	$\mathcal{O}(5; \{3^7, 4^2\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3^4, 4^4\})$	2972033482752
12	$\mathcal{O}(5; \{2^5, 3^2, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^5, 4^2, 6\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 3^2, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{2^6, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^3, 4^2, 6^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^3, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{4^6, 6^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3, 4^2, 6^3\})$	743008370688
12	$\mathcal{O}(5; \{3, 4^4, 6^3\})$	2972033482752
12	$\mathcal{O}(5; \{3^2, 4^2, 6^4\})$	2724364025856
12	$\mathcal{O}(5; \{2, 4^2, 6^5\})$	1238347284480
12	$\mathcal{O}(5; \{2^5, 3^3, 4, 12\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^6, 4, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^3, 4^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^6, 3, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^4, 4, 6, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 3, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^5, 6, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3^2, 4, 6^2, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3^2, 4^3, 6^2, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2^4, 4, 6^3, 12\})$	743008370688
12	$\mathcal{O}(5; \{3^3, 4, 6^3, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2, 4^3, 6^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3, 4, 6^4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^6, 3^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^5, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 3^2, 4^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{3^2, 4^4, 12^2\})$	11888133931008
12	$\mathcal{O}(5; \{2^7, 6, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^3, 6, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 4^2, 6, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4^2, 6, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2, 4^4, 6, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3, 6^2, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^4, 6^2, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2, 3, 4^2, 6^2, 12^2\})$	4953389137920

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2, 3^2, 6^3, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 6^4, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 3, 4, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{3^4, 4, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2, 3, 4^3, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{2, 3^2, 4, 6, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 4, 6^2, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{2^5, 12^4\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3^3, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2^2, 4^2, 12^4\})$	11888133931008
12	$\mathcal{O}(5; \{2^2, 3, 6, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{6^3, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{4, 6, 12^5\})$	43589824413696
12	$\mathcal{O}(5; \{3, 12^6\})$	83216937517056
12	$\mathcal{O}(4; \{2^8, 3^4, 4^2\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^7, 4^2\})$	36118462464
12	$\mathcal{O}(4; \{3^{10}, 4^2\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3^4, 4^4\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^7, 4^4\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^4, 4^6\})$	82556485632
12	$\mathcal{O}(4; \{2^9, 3^2, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^5, 4^2, 6\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^8, 4^2, 6\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 3^2, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^5, 4^4, 6\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3^2, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{3^2, 4^8, 6\})$	110075314176
12	$\mathcal{O}(4; \{2^{10}, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^3, 4^2, 6^2\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^6, 4^2, 6^2\})$	73956851712
12	$\mathcal{O}(4; \{2^7, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^3, 4^4, 6^2\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{3^3, 4^6, 6^2\})$	137594142720
12	$\mathcal{O}(4; \{2, 4^8, 6^2\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3, 4^2, 6^3\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^4, 4^2, 6^3\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 3, 4^4, 6^3\})$	20639121408
12	$\mathcal{O}(4; \{3^4, 4^4, 6^3\})$	144473849856
12	$\mathcal{O}(4; \{2, 3, 4^6, 6^3\})$	82556485632
12	$\mathcal{O}(4; \{2^4, 3^2, 4^2, 6^4\})$	18919194624
12	$\mathcal{O}(4; \{3^5, 4^2, 6^4\})$	146193776640
12	$\mathcal{O}(4; \{2, 3^2, 4^4, 6^4\})$	75676778496

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^5, 4^2, 6^3\})$	8599633920
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 6^5\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 4^4, 6^5\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6^6\})$	36118462464
12	$\mathcal{O}(4; \{4^2, 6^8\})$	73956851712
12	$\mathcal{O}(4; \{2^9, 3^3, 4, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^6, 4, 12\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^9, 4, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3^3, 4^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^6, 4^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^3, 4^5, 12\})$	82556485632
12	$\mathcal{O}(4; \{3^3, 4^7, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^{10}, 3, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^4, 4, 6, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^7, 4, 6, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^4, 4^3, 6, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 3, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{3^4, 4^5, 6, 12\})$	302707113984
12	$\mathcal{O}(4; \{2, 3, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3^2, 4, 6^2, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^5, 4, 6^2, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 3^2, 4^3, 6^2, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^5, 4^3, 6^2, 12\})$	295827406848
12	$\mathcal{O}(4; \{2, 3^2, 4^5, 6^2, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^8, 4, 6^3, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^3, 4, 6^3, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^6, 4, 6^3, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 4^3, 6^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^3, 4^3, 6^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 4^5, 6^3, 12\})$	82556485632
12	$\mathcal{O}(4; \{2^5, 3, 4, 6^4, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^4, 4, 6^4, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3, 4^3, 6^4, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 6^5, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 4, 6^6, 12\})$	36118462464
12	$\mathcal{O}(4; \{4^3, 6^6, 12\})$	144473849856
12	$\mathcal{O}(4; \{3, 4, 6^7, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^{10}, 3^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^6, 3^5, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^8, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 3^2, 4^2, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^5, 4^2, 12^2\})$	144473849856

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3^2, 4^4, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{3^5, 4^4, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^2, 4^6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^{11}, 6, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^3, 6, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^6, 6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 4^2, 6, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4^2, 6, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^6, 4^2, 6, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 4^4, 6, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^4, 6, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 4^6, 6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3, 6^2, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^4, 6^2, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^7, 6^2, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^5, 3, 4^2, 6^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^4, 4^2, 6^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3, 4^4, 6^2, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^5, 3^2, 6^3, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^5, 6^3, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 6^3, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^6, 6^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^3, 6^4, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 4^2, 6^4, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{4^4, 6^4, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 3, 6^5, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3, 4^2, 6^5, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{3^2, 6^6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2, 6^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 3, 4, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^4, 3^4, 4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^7, 4, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 3, 4^3, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{2, 3^4, 4^3, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 3, 4^5, 12^3\})$	330225942528
12	$\mathcal{O}(4; \{2^5, 3^2, 4, 6, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^5, 4, 6, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3^2, 4^3, 6, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^6, 4, 6^2, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^3, 4, 6^2, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 4^3, 6^2, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{4^5, 6^2, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^3, 3, 4, 6^3, 12^3\})$	144473849856

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3, 4^3, 6^3, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{3^2, 4, 6^4, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2, 4, 6^5, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^9, 12^4\})$	20639121408
12	$\mathcal{O}(4; \{2^5, 3^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^6, 4^2, 12^4\})$	82556485632
12	$\mathcal{O}(4; \{2^2, 3^3, 4^2, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^3, 4^4, 12^4\})$	330225942528
12	$\mathcal{O}(4; \{4^6, 12^4\})$	1320903770112
12	$\mathcal{O}(4; \{2^6, 3, 6, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^4, 6, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 6, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{3, 4^4, 6, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^3, 3^2, 6^2, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3^2, 4^2, 6^2, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2^4, 6^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{3^3, 6^3, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2, 4^2, 6^3, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2, 3, 6^4, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 3^2, 4, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{3^2, 4^3, 12^5\})$	2311581597696
12	$\mathcal{O}(4; \{2^4, 4, 6, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{3^3, 4, 6, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2, 4^3, 6, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{2, 3, 4, 6^2, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^4, 3, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{3^4, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2, 3, 4^2, 12^6\})$	2311581597696
12	$\mathcal{O}(4; \{2, 3^2, 6, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2^2, 6^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 4, 12^7\})$	2311581597696
12	$\mathcal{O}(4; \{6, 12^8\})$	9356401704960
12	$\mathcal{O}(3; \{2^{12}, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^7, 4^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^{10}, 4^2\})$	2042413056
12	$\mathcal{O}(3; \{3^{13}, 4^2\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3^4, 4^4\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^7, 4^4\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^{10}, 4^4\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3^4, 4^6\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^7, 4^6\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^4, 4^8\})$	2293235712

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^4, 4^{10}\})$	9172942848
12	$\mathcal{O}(3; \{2^{13}, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^5, 4^2, 6\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^8, 4^2, 6\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^{11}, 4^2, 6\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^5, 4^4, 6\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^8, 4^4, 6\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 3^2, 4^6, 6\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^5, 4^6, 6\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^2, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{3^5, 4^8, 6\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^2, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{2^{14}, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^2, 6^2\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^6, 4^2, 6^2\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^9, 4^2, 6^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^3, 4^4, 6^2\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^6, 4^4, 6^2\})$	2054356992
12	$\mathcal{O}(3; \{2^8, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^3, 4^6, 6^2\})$	955514880
12	$\mathcal{O}(3; \{3^6, 4^6, 6^2\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{2, 3^3, 4^8, 6^2\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^4, 4^2, 6^3\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^7, 4^2, 6^3\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 3, 4^4, 6^3\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^4, 4^4, 6^3\})$	1003290624
12	$\mathcal{O}(3; \{3^7, 4^4, 6^3\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 3, 4^6, 6^3\})$	573308928
12	$\mathcal{O}(3; \{2, 3^4, 4^6, 6^3\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3, 4^8, 6^3\})$	2293235712
12	$\mathcal{O}(3; \{2^8, 3^2, 4^2, 6^4\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^5, 4^2, 6^4\})$	1015234560
12	$\mathcal{O}(3; \{3^8, 4^2, 6^4\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 3^2, 4^4, 6^4\})$	525533184
12	$\mathcal{O}(3; \{2, 3^5, 4^4, 6^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^2, 4^6, 6^4\})$	2102132736
12	$\mathcal{O}(3; \{2^9, 4^2, 6^5\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 6^5\})$	513589248

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 6^5\})$	4072882176
12	$\mathcal{O}(3; \{2^6, 4^4, 6^5\})$	238878720
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 6^5\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 4^6, 6^5\})$	955514880
12	$\mathcal{O}(3; \{4^8, 6^5\})$	3822059520
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6^6\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6^6\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6^6\})$	1003290624
12	$\mathcal{O}(3; \{3, 4^6, 6^6\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^7\})$	1015234560
12	$\mathcal{O}(3; \{3^2, 4^4, 6^7\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 4^2, 6^8\})$	513589248
12	$\mathcal{O}(3; \{3^3, 4^2, 6^8\})$	4072882176
12	$\mathcal{O}(3; \{2, 4^4, 6^8\})$	2054356992
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^9\})$	2042413056
12	$\mathcal{O}(3; \{2^{13}, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^6, 4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^9, 4, 12\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{12}, 4, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^6, 4^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^9, 4^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3^3, 4^5, 12\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^6, 4^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^3, 4^7, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^6, 4^7, 12\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^3, 4^9, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{14}, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4, 6, 12\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^7, 4, 6, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4, 6, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^4, 4^3, 6, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^7, 4^3, 6, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 3, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^4, 4^5, 6, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^7, 4^5, 6, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 3, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{2, 3^4, 4^7, 6, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^5, 4, 6^2, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^8, 4, 6^2, 12\})$	4072882176

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^8, 3^2, 4^3, 6^2, 12\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^5, 4^3, 6^2, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^8, 4^3, 6^2, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 3^2, 4^5, 6^2, 12\})$	955514880
12	$\mathcal{O}(3; \{2, 3^5, 4^5, 6^2, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^2, 4^7, 6^2, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^{12}, 4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^3, 4, 6^3, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^6, 4, 6^3, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^9, 4, 6^3, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 4^3, 6^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^3, 4^3, 6^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^6, 4^3, 6^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 4^5, 6^3, 12\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^3, 4^5, 6^3, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 4^7, 6^3, 12\})$	2293235712
12	$\mathcal{O}(3; \{4^9, 6^3, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^9, 3, 4, 6^4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^4, 4, 6^4, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^7, 4, 6^4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3, 4^3, 6^4, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^4, 4^3, 6^4, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3, 4^5, 6^4, 12\})$	2102132736
12	$\mathcal{O}(3; \{3, 4^7, 6^4, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 6^5, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 6^5, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 6^5, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^2, 4^5, 6^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 4, 6^6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6^6, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 4^3, 6^6, 12\})$	1003290624
12	$\mathcal{O}(3; \{3^3, 4^3, 6^6, 12\})$	8169652224
12	$\mathcal{O}(3; \{2, 4^5, 6^6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^7, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^4, 4, 6^7, 12\})$	8157708288
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^7, 12\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^8, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 4, 6^9, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^{14}, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^{10}, 3^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^{11}, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^2, 12^2\})$	143327232

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3^5, 4^2, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^8, 4^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 3^2, 4^4, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^5, 4^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^8, 4^4, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3^2, 4^6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^5, 4^6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^2, 4^8, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{15}, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^6, 6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^9, 6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4^2, 6, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^6, 4^2, 6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^9, 4^2, 6, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 4^4, 6, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^4, 6, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^6, 4^4, 6, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 4^6, 6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^6, 6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 4^8, 6, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{4^{10}, 6, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^4, 6^2, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^7, 6^2, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^{10}, 6^2, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^9, 3, 4^2, 6^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^4, 4^2, 6^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^7, 4^2, 6^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 3, 4^4, 6^2, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^4, 4^4, 6^2, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3, 4^6, 6^2, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3, 4^8, 6^2, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^9, 3^2, 6^3, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^5, 6^3, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^8, 6^3, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 6^3, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 6^3, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 6^3, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^2, 4^6, 6^3, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^{10}, 6^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^3, 6^4, 12^2\})$	1015234560

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^6, 6^4, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 4^2, 6^4, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6^4, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 4^4, 6^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{3^3, 4^4, 6^4, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2, 4^6, 6^4, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^7, 3, 6^5, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^4, 6^5, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^5, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^4, 4^2, 6^5, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^5, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3^2, 6^6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^5, 6^6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 6^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^3, 6^7, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 4^2, 6^7, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3, 6^8, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{6^{10}, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^8, 3^4, 4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^7, 4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^{10}, 4, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^9, 3, 4^3, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^5, 3^4, 4^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^7, 4^3, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 3, 4^5, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2^2, 3^4, 4^5, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3, 4^7, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{3, 4^9, 12^3\})$	36691771392
12	$\mathcal{O}(3; \{2^9, 3^2, 4, 6, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^5, 4, 6, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^8, 4, 6, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 3^2, 4^3, 6, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^5, 4^3, 6, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3^2, 4^5, 6, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{3^2, 4^7, 6, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^{10}, 4, 6^2, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^3, 4, 6^2, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^6, 4, 6^2, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 4^3, 6^2, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^3, 4^3, 6^2, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 4^5, 6^2, 12^3\})$	3822059520

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^3, 4^5, 6^2, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2, 4^7, 6^2, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^7, 3, 4, 6^3, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 6^3, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 6^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^4, 4^3, 6^3, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2, 3, 4^5, 6^3, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6^4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^5, 4, 6^4, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6^4, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 4, 6^5, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^5, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 4^3, 6^5, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{4, 6^8, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^{13}, 12^4\})$	143327232
12	$\mathcal{O}(3; \{2^9, 3^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^9, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^{10}, 4^2, 12^4\})$	573308928
12	$\mathcal{O}(3; \{2^6, 3^3, 4^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^6, 4^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^7, 4^4, 12^4\})$	2293235712
12	$\mathcal{O}(3; \{2^3, 3^3, 4^4, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 4^6, 12^4\})$	9172942848
12	$\mathcal{O}(3; \{3^3, 4^6, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2, 4^8, 12^4\})$	36691771392
12	$\mathcal{O}(3; \{2^{10}, 3, 6, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^4, 6, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^7, 6, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 6, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 6, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 6, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{3^4, 4^4, 6, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2, 3, 4^6, 6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^7, 3^2, 6^2, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^5, 6^2, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^5, 4^2, 6^2, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6^2, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^8, 6^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^3, 6^3, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^6, 6^3, 12^4\})$	65213890560

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 4^2, 6^3, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^3, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 4^4, 6^3, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{2^5, 3, 6^4, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^4, 6^4, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^4, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^2, 6^5, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 6^6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{4^2, 6^6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{3, 6^7, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 3^2, 4, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^5, 4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 3^2, 4^3, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{3^5, 4^3, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{2, 3^2, 4^5, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^8, 4, 6, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 6, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3^6, 4, 6, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 4^3, 6, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 6, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 4^5, 6, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{2^5, 3, 4, 6^2, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^4, 4, 6^2, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6^2, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^3, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 4, 6^4, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{4^3, 6^4, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{3, 4, 6^5, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^8, 3, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^7, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{2^5, 3^2, 6, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^5, 6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^6, 6^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^3, 6^2, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 4^2, 6^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{4^4, 6^2, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^3, 3, 6^3, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3, 4^2, 6^3, 12^6\})$	130714435584

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^2, 6^4, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2, 6^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^6, 4, 12^7\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 4^3, 12^7\})$	64210599936
12	$\mathcal{O}(3; \{4^5, 12^7\})$	256842399744
12	$\mathcal{O}(3; \{2^3, 3, 4, 6, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{3, 4^3, 6, 12^7\})$	259900047360
12	$\mathcal{O}(3; \{3^2, 4, 6^2, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2, 4, 6^3, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 3^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{3^2, 4^2, 12^8\})$	522857742336
12	$\mathcal{O}(3; \{2^4, 6, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{3^3, 6, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2, 4^2, 6, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{2, 3, 6^2, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2, 3, 4, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{2^2, 12^{10}\})$	522857742336
12	$\mathcal{O}(2; \{2^{16}, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^{10}, 4^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{13}, 4^2\})$	113218560
12	$\mathcal{O}(2; \{3^{16}, 4^2\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^7, 4^4\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4^4\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{13}, 4^4\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^6\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^7, 4^6\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^6\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3^4, 4^8\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^7, 4^8\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^4, 4^{10}\})$	63700992
12	$\mathcal{O}(2; \{3^7, 4^{10}\})$	445906944
12	$\mathcal{O}(2; \{2, 3^4, 4^{12}\})$	254803968
12	$\mathcal{O}(2; \{2^{17}, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^8, 4^2, 6\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^{11}, 4^2, 6\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{14}, 4^2, 6\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^4, 6\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^8, 4^4, 6\})$	28200960

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^4, 6\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^5, 4^6, 6\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^8, 4^6, 6\})$	112803840
12	$\mathcal{O}(2; \{2^8, 3^2, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^5, 4^8, 6\})$	58392576
12	$\mathcal{O}(2; \{3^8, 4^8, 6\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^2, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{2, 3^5, 4^{10}, 6\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{2^{18}, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^2, 6^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^9, 4^2, 6^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^2, 6^2\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^4, 6^2\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^6, 4^4, 6^2\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^9, 4^4, 6^2\})$	113135616
12	$\mathcal{O}(2; \{2^{12}, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^3, 4^6, 6^2\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^6, 4^6, 6^2\})$	57065472
12	$\mathcal{O}(2; \{3^9, 4^6, 6^2\})$	452542464
12	$\mathcal{O}(2; \{2^9, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^3, 4^8, 6^2\})$	26542080
12	$\mathcal{O}(2; \{2, 3^6, 4^8, 6^2\})$	228261888
12	$\mathcal{O}(2; \{2^6, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{10}, 6^2\})$	106168320
12	$\mathcal{O}(2; \{2^3, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{4^{14}, 6^2\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^2, 6^3\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^7, 4^2, 6^3\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^2, 6^3\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 3, 4^4, 6^3\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^4, 4^4, 6^3\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^7, 4^4, 6^3\})$	56733696
12	$\mathcal{O}(2; \{3^{10}, 4^4, 6^3\})$	452874240
12	$\mathcal{O}(2; \{2^9, 3, 4^6, 6^3\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^4, 4^6, 6^3\})$	27869184
12	$\mathcal{O}(2; \{2, 3^7, 4^6, 6^3\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3, 4^8, 6^3\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^4, 4^8, 6^3\})$	111476736

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3, 4^{10}, 6^3\})$	63700992
12	$\mathcal{O}(2; \{3, 4^{12}, 6^3\})$	254803968
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^2, 6^4\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^5, 4^2, 6^4\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^8, 4^2, 6^4\})$	56650752
12	$\mathcal{O}(2; \{3^{11}, 4^2, 6^4\})$	452957184
12	$\mathcal{O}(2; \{2^9, 3^2, 4^4, 6^4\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^5, 4^4, 6^4\})$	28200960
12	$\mathcal{O}(2; \{2, 3^8, 4^4, 6^4\})$	226603008
12	$\mathcal{O}(2; \{2^6, 3^2, 4^6, 6^4\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^5, 4^6, 6^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^2, 4^8, 6^4\})$	58392576
12	$\mathcal{O}(2; \{3^2, 4^{10}, 6^4\})$	233570304
12	$\mathcal{O}(2; \{2^{13}, 4^2, 6^5\})$	414720
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 6^5\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 6^5\})$	28283904
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 6^5\})$	226520064
12	$\mathcal{O}(2; \{2^{10}, 4^4, 6^5\})$	1658880
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 6^5\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 6^5\})$	113135616
12	$\mathcal{O}(2; \{2^7, 4^6, 6^5\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 6^5\})$	57065472
12	$\mathcal{O}(2; \{2^4, 4^8, 6^5\})$	26542080
12	$\mathcal{O}(2; \{3^3, 4^8, 6^5\})$	228261888
12	$\mathcal{O}(2; \{2, 4^{10}, 6^5\})$	106168320
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6^6\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6^6\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6^6\})$	113218560
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6^6\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6^6\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6^6\})$	27869184
12	$\mathcal{O}(2; \{3^4, 4^6, 6^6\})$	226934784
12	$\mathcal{O}(2; \{2, 3, 4^8, 6^6\})$	111476736
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^7\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^7\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^7\})$	28200960
12	$\mathcal{O}(2; \{3^5, 4^4, 6^7\})$	226603008
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^7\})$	112803840
12	$\mathcal{O}(2; \{2^8, 4^2, 6^8\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^8\})$	28283904
12	$\mathcal{O}(2; \{3^6, 4^2, 6^8\})$	226520064
12	$\mathcal{O}(2; \{2^5, 4^4, 6^8\})$	14266368
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^8\})$	113135616

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^6, 6^8\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^9\})$	14183424
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^9\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^9\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^{10}\})$	56650752
12	$\mathcal{O}(2; \{2^3, 4^2, 6^{11}\})$	28283904
12	$\mathcal{O}(2; \{4^4, 6^{11}\})$	113135616
12	$\mathcal{O}(2; \{3, 4^2, 6^{12}\})$	113218560
12	$\mathcal{O}(2; \{2^{17}, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^6, 4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^9, 4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{12}, 4, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{15}, 4, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^9, 4^3, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^5, 12\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^6, 4^5, 12\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^9, 4^5, 12\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3^3, 4^7, 12\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^6, 4^7, 12\})$	111476736
12	$\mathcal{O}(2; \{3^9, 4^7, 12\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^3, 4^9, 12\})$	63700992
12	$\mathcal{O}(2; \{2, 3^6, 4^9, 12\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{11}, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{18}, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4, 6, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4, 6, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4, 6, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^3, 6, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^7, 4^3, 6, 12\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^3, 6, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^4, 4^5, 6, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^7, 4^5, 6, 12\})$	112803840
12	$\mathcal{O}(2; \{3^{10}, 4^5, 6, 12\})$	906412032
12	$\mathcal{O}(2; \{2^9, 3, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^4, 4^7, 6, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^7, 4^7, 6, 12\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3, 4^9, 6, 12\})$	21233664

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^4, 4^9, 6, 12\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{3, 4^{13}, 6, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4, 6^2, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^8, 4, 6^2, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4, 6^2, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^3, 6^2, 12\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^5, 4^3, 6^2, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^8, 4^3, 6^2, 12\})$	113135616
12	$\mathcal{O}(2; \{3^{11}, 4^3, 6^2, 12\})$	906080256
12	$\mathcal{O}(2; \{2^9, 3^2, 4^5, 6^2, 12\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^5, 4^5, 6^2, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^8, 4^5, 6^2, 12\})$	452542464
12	$\mathcal{O}(2; \{2^6, 3^2, 4^7, 6^2, 12\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^5, 4^7, 6^2, 12\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^2, 4^9, 6^2, 12\})$	106168320
12	$\mathcal{O}(2; \{3^2, 4^{11}, 6^2, 12\})$	424673280
12	$\mathcal{O}(2; \{2^{16}, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4, 6^3, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^6, 4, 6^3, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^9, 4, 6^3, 12\})$	113218560
12	$\mathcal{O}(2; \{3^{12}, 4, 6^3, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 4^3, 6^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^3, 4^3, 6^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^6, 4^3, 6^3, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^9, 4^3, 6^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 4^5, 6^3, 12\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^3, 4^5, 6^3, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^6, 4^5, 6^3, 12\})$	226934784
12	$\mathcal{O}(2; \{2^7, 4^7, 6^3, 12\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^3, 4^7, 6^3, 12\})$	111476736
12	$\mathcal{O}(2; \{2^4, 4^9, 6^3, 12\})$	63700992
12	$\mathcal{O}(2; \{3^3, 4^9, 6^3, 12\})$	445906944
12	$\mathcal{O}(2; \{2, 4^{11}, 6^3, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{13}, 3, 4, 6^4, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^4, 4, 6^4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^7, 4, 6^4, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{10}, 4, 6^4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3, 4^3, 6^4, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^4, 4^3, 6^4, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^7, 4^3, 6^4, 12\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3, 4^5, 6^4, 12\})$	14598144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^4, 4^5, 6^4, 12\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3, 4^7, 6^4, 12\})$	58392576
12	$\mathcal{O}(2; \{3^4, 4^7, 6^4, 12\})$	451215360
12	$\mathcal{O}(2; \{2, 3, 4^9, 6^4, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 6^5, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 6^5, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 6^5, 12\})$	226520064
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 6^5, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 6^5, 12\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 6^5, 12\})$	57065472
12	$\mathcal{O}(2; \{3^5, 4^5, 6^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 6^5, 12\})$	228261888
12	$\mathcal{O}(2; \{2^{11}, 4, 6^6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6^6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6^6, 12\})$	113218560
12	$\mathcal{O}(2; \{2^8, 4^3, 6^6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6^6, 12\})$	56733696
12	$\mathcal{O}(2; \{3^6, 4^3, 6^6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^5, 4^5, 6^6, 12\})$	27869184
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6^6, 12\})$	226934784
12	$\mathcal{O}(2; \{2^2, 4^7, 6^6, 12\})$	111476736
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^7, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^7, 12\})$	56650752
12	$\mathcal{O}(2; \{3^7, 4, 6^7, 12\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^7, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^7, 12\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^7, 12\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^8, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^8, 12\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^8, 12\})$	113135616
12	$\mathcal{O}(2; \{2^6, 4, 6^9, 12\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^9, 12\})$	113218560
12	$\mathcal{O}(2; \{2^3, 4^3, 6^9, 12\})$	56733696
12	$\mathcal{O}(2; \{4^5, 6^9, 12\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^{10}, 12\})$	56650752
12	$\mathcal{O}(2; \{3, 4^3, 6^{10}, 12\})$	226603008
12	$\mathcal{O}(2; \{3^2, 4, 6^{11}, 12\})$	226520064
12	$\mathcal{O}(2; \{2, 4, 6^{12}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{18}, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{14}, 3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{14}, 12^2\})$	905997312

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^8, 4^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^2, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^4, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^5, 4^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^8, 4^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^{11}, 4^4, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 3^2, 4^6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^5, 4^6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2, 3^8, 4^6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3^2, 4^8, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^5, 4^8, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{10}, 12^2\})$	254803968
12	$\mathcal{O}(2; \{3^2, 4^{12}, 12^2\})$	1019215872
12	$\mathcal{O}(2; \{2^{19}, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^6, 6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^9, 6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{12}, 6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{16}, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^2, 6, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^6, 4^2, 6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^9, 4^2, 6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^{12}, 4^2, 6, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^4, 6, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^6, 4^4, 6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2, 3^9, 4^4, 6, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^{10}, 4^6, 6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^3, 4^6, 6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^6, 4^6, 6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^7, 4^8, 6, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^8, 6, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^4, 4^{10}, 6, 12^2\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^{10}, 6, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2, 4^{12}, 6, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^7, 6^2, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{10}, 6^2, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^{13}, 6^2, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{13}, 3, 4^2, 6^2, 12^2\})$	1658880

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 3^4, 4^2, 6^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^7, 4^2, 6^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{10}, 4^2, 6^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3, 4^4, 6^2, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^4, 4^4, 6^2, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^7, 4^4, 6^2, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^7, 3, 4^6, 6^2, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^4, 4^6, 6^2, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3, 4^8, 6^2, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3^4, 4^8, 6^2, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2, 3, 4^{10}, 6^2, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{13}, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^5, 6^3, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^8, 6^3, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{11}, 6^3, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 6^3, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 6^3, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 6^3, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 6^3, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 6^3, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 6^3, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^5, 4^6, 6^3, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 6^3, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{14}, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^3, 6^4, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^6, 6^4, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^9, 6^4, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6^4, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6^4, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6^4, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^8, 4^4, 6^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^6, 4^4, 6^4, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^5, 4^6, 6^4, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6^4, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^2, 4^8, 6^4, 12^2\})$	233570304
12	$\mathcal{O}(2; \{2^{11}, 3, 6^5, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^4, 6^5, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^7, 6^5, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^5, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^5, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^7, 4^2, 6^5, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^5, 12^2\})$	57065472

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^5, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^5, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^8, 3^2, 6^6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^5, 6^6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^8, 6^6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^9, 6^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^3, 6^7, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^6, 6^7, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^6, 4^2, 6^7, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^7, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^3, 4^4, 6^7, 12^2\})$	112803840
12	$\mathcal{O}(2; \{4^6, 6^7, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3, 6^8, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^4, 6^8, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^8, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3, 4^4, 6^8, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^2, 6^9, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^2, 4^2, 6^9, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^4, 6^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{3^3, 6^{10}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2, 4^2, 6^{10}, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2, 3, 6^{11}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^7, 4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{3^{13}, 4, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^{13}, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3^4, 4^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^7, 4^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3^{10}, 4^3, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 3, 4^5, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^4, 4^5, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^7, 4^5, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^7, 3, 4^7, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^3, 3^4, 4^7, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^4, 3, 4^9, 12^3\})$	254803968
12	$\mathcal{O}(2; \{3^4, 4^9, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2, 3, 4^{11}, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4, 6, 12^3\})$	3649536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 3^5, 4, 6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^8, 4, 6, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{11}, 4, 6, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^3, 6, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^5, 4^3, 6, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^8, 4^3, 6, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^7, 3^2, 4^5, 6, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^5, 4^5, 6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^2, 4^7, 6, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3^5, 4^7, 6, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^2, 4^9, 6, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{14}, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4, 6^2, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^6, 4, 6^2, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^9, 4, 6^2, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 4^3, 6^2, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^3, 4^3, 6^2, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^6, 4^3, 6^2, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^8, 4^5, 6^2, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^3, 4^5, 6^2, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^6, 4^5, 6^2, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 4^7, 6^2, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2, 3^3, 4^7, 6^2, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^2, 4^9, 6^2, 12^3\})$	424673280
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 6^3, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 6^3, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 6^3, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 6^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 6^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^7, 4^3, 6^3, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 6^3, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 6^3, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 6^3, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6^4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6^4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^8, 4, 6^4, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6^4, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6^4, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6^4, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^9, 4, 6^5, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^5, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^5, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^6, 4^3, 6^5, 12^3\})$	57065472

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^5, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^3, 4^5, 6^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{4^7, 6^5, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3, 4^5, 6^6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^7, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^2, 4^3, 6^7, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^4, 4, 6^8, 12^3\})$	113135616
12	$\mathcal{O}(2; \{3^3, 4, 6^8, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2, 4^3, 6^8, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2, 3, 4, 6^9, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{17}, 12^4\})$	995328
12	$\mathcal{O}(2; \{2^{13}, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2, 3^{12}, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{14}, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^6, 4^2, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^9, 4^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^{11}, 4^4, 12^4\})$	15925248
12	$\mathcal{O}(2; \{2^7, 3^3, 4^4, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^6, 4^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^8, 4^6, 12^4\})$	63700992
12	$\mathcal{O}(2; \{2^4, 3^3, 4^6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3^6, 4^6, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 4^8, 12^4\})$	254803968
12	$\mathcal{O}(2; \{2, 3^3, 4^8, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^2, 4^{10}, 12^4\})$	1019215872
12	$\mathcal{O}(2; \{2^{14}, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^4, 6, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^7, 6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^{10}, 6, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 6, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 6, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 6, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 6, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^7, 4^4, 6, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 6, 12^4\})$	1804861440

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 6, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6^2, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^5, 6^2, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^8, 6^2, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^8, 4^2, 6^2, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6^2, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6^2, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6^2, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^{12}, 6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^3, 6^3, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^6, 6^3, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^9, 6^3, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^9, 4^2, 6^3, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^3, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^3, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 4^4, 6^3, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^3, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^3, 4^6, 6^3, 12^4\})$	445906944
12	$\mathcal{O}(2; \{4^8, 6^3, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^9, 3, 6^4, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^4, 6^4, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^7, 6^4, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^4, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^4, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3, 4^6, 6^4, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^6, 3^2, 6^5, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^5, 6^5, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^5, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^2, 4^4, 6^5, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 6^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^3, 6^6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^4, 4^2, 6^6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{3^3, 4^2, 6^6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2, 4^4, 6^6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3, 6^7, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^4, 6^7, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^7, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2, 3^2, 6^8, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^2, 6^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4, 12^5\})$	27869184

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^5, 4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^8, 4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 3^2, 4^3, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^5, 4^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^8, 4^3, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 3^2, 4^5, 12^5\})$	445906944
12	$\mathcal{O}(2; \{2, 3^5, 4^5, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^2, 4^7, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^{12}, 4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 6, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^9, 4, 6, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 4^3, 6, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 6, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 6, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 4^5, 6, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 6, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 4^7, 6, 12^5\})$	934281216
12	$\mathcal{O}(2; \{4^9, 6, 12^5\})$	3737124864
12	$\mathcal{O}(2; \{2^9, 3, 4, 6^2, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6^2, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^7, 4, 6^2, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6^2, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6^2, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6^2, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3, 4^7, 6^2, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^3, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^3, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^2, 4^5, 6^3, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^7, 4, 6^4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^4, 4^3, 6^4, 12^5\})$	451215360
12	$\mathcal{O}(2; \{3^3, 4^3, 6^4, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2, 4^5, 6^4, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^5, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^4, 4, 6^5, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^5, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 4, 6^7, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2^{12}, 3, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^8, 3^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^7, 12^6\})$	1811496960

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^{10}, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{3, 4^8, 12^6\})$	7134511104
12	$\mathcal{O}(2; \{2^9, 3^2, 6, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^5, 6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^8, 6, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{3^2, 4^6, 6, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^{10}, 6^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^3, 6^2, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^6, 6^2, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 4^2, 6^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 4^4, 6^2, 12^6\})$	913047552
12	$\mathcal{O}(2; \{3^3, 4^4, 6^2, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2, 4^6, 6^2, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^7, 3, 6^3, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^4, 6^3, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^3, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^4, 4^2, 6^3, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^3, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 3^2, 6^4, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^5, 6^4, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^4, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 6^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^3, 6^5, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 4^2, 6^5, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3, 6^6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{6^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^{10}, 4, 12^7\})$	111476736
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^7, 4^3, 12^7\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 4^5, 12^7\})$	1783627776
12	$\mathcal{O}(2; \{3^3, 4^5, 12^7\})$	14523826176

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 4^7, 12^7\})$	7134511104
12	$\mathcal{O}(2; \{2^7, 3, 4, 6, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{3^4, 4^3, 6, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2, 3, 4^5, 6, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^2, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^5, 4, 6^2, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^2, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^5, 4, 6^3, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^3, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 4^3, 6^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^4, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{4, 6^6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^7, 3^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{3^5, 4^2, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^8, 6, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^3, 6, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^6, 6, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2^5, 4^2, 6, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 4^4, 6, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{2^5, 3, 6^2, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^4, 6^2, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3^2, 6^3, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 6^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{4^2, 6^4, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{3, 6^5, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 3, 4, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^4, 4, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 4, 6^2, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{4^3, 6^2, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{3, 4, 6^3, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^6, 12^{10}\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2^3, 4^2, 12^{10}\})$	14523826176
12	$\mathcal{O}(2; \{4^4, 12^{10}\})$	58095304704

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3, 6, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{3, 4^2, 6, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{3^2, 6^2, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2, 6^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{3^2, 4, 12^{11}\})$	115935805440
12	$\mathcal{O}(2; \{2, 4, 6, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{2, 3, 12^{12}\})$	115935805440
12	$\mathcal{O}(1; \{2^{20}, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{13}, 4^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{16}, 4^2\})$	6291648
12	$\mathcal{O}(1; \{3^{19}, 4^2\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4^4\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{16}, 4^4\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^6\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^6\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^7, 4^8\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^8\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^4, 4^{10}\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^7, 4^{10}\})$	3096576
12	$\mathcal{O}(1; \{3^{10}, 4^{10}\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^4, 4^{12}\})$	1769472
12	$\mathcal{O}(1; \{2, 3^7, 4^{12}\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{14}\})$	7077888
12	$\mathcal{O}(1; \{2^{21}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^{11}, 4^2, 6\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{14}, 4^2, 6\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{17}, 4^2, 6\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^4, 6\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^4, 6\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^4, 6\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^6, 6\})$	9216

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^8, 4^6, 6\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^6, 6\})$	6294528
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^5, 4^8, 6\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^8, 4^8, 6\})$	3133440
12	$\mathcal{O}(1; \{3^{11}, 4^8, 6\})$	25178112
12	$\mathcal{O}(1; \{2^9, 3^2, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^5, 4^{10}, 6\})$	1622016
12	$\mathcal{O}(1; \{2, 3^8, 4^{10}, 6\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{12}, 6\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{3^2, 4^{16}, 6\})$	9437184
12	$\mathcal{O}(1; \{2^{22}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^2, 6^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^2, 6^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^2, 6^2\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^9, 4^4, 6^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^4, 6^2\})$	6292224
12	$\mathcal{O}(1; \{2^{16}, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^6, 4^6, 6^2\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^9, 4^6, 6^2\})$	3142656
12	$\mathcal{O}(1; \{3^{12}, 4^6, 6^2\})$	25168896
12	$\mathcal{O}(1; \{2^{13}, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^3, 4^8, 6^2\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^6, 4^8, 6^2\})$	1585152
12	$\mathcal{O}(1; \{2, 3^9, 4^8, 6^2\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{10}, 6^2\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{10}, 6^2\})$	6340608
12	$\mathcal{O}(1; \{2^7, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{12}, 6^2\})$	2949120
12	$\mathcal{O}(1; \{2^4, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{3^3, 4^{14}, 6^2\})$	11796480
12	$\mathcal{O}(1; \{2, 4^{16}, 6^2\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3, 4^2, 6^3\})$	1728

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^2, 6^3\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^2, 6^3\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^7, 4^4, 6^3\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^4, 6^3\})$	3144960
12	$\mathcal{O}(1; \{3^{13}, 4^4, 6^3\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^4, 4^6, 6^3\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^7, 4^6, 6^3\})$	1575936
12	$\mathcal{O}(1; \{2, 3^{10}, 4^6, 6^3\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 3, 4^8, 6^3\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^4, 4^8, 6^3\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^7, 4^8, 6^3\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3, 4^{10}, 6^3\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{10}, 6^3\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3, 4^{12}, 6^3\})$	1769472
12	$\mathcal{O}(1; \{3^4, 4^{12}, 6^3\})$	12386304
12	$\mathcal{O}(1; \{2, 3, 4^{14}, 6^3\})$	7077888
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^8, 4^2, 6^4\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^2, 6^4\})$	3145536
12	$\mathcal{O}(1; \{3^{14}, 4^2, 6^4\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^5, 4^4, 6^4\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^8, 4^4, 6^4\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{11}, 4^4, 6^4\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^6, 6^4\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^5, 4^6, 6^4\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^8, 4^6, 6^4\})$	6294528
12	$\mathcal{O}(1; \{2^7, 3^2, 4^8, 6^4\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^5, 4^8, 6^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{10}, 6^4\})$	1622016
12	$\mathcal{O}(1; \{3^5, 4^{10}, 6^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^2, 4^{12}, 6^4\})$	6488064
12	$\mathcal{O}(1; \{2^{17}, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 6^5\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 6^5\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 6^5\})$	12582720

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 4^4, 6^5\})$	11520
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 6^5\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 6^5\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 6^5\})$	6292224
12	$\mathcal{O}(1; \{2^{11}, 4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 6^5\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 6^5\})$	3142656
12	$\mathcal{O}(1; \{2^8, 4^8, 6^5\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 6^5\})$	1585152
12	$\mathcal{O}(1; \{3^6, 4^8, 6^5\})$	12570624
12	$\mathcal{O}(1; \{2^5, 4^{10}, 6^5\})$	737280
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 6^5\})$	6340608
12	$\mathcal{O}(1; \{2^2, 4^{12}, 6^5\})$	2949120
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6^6\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6^6\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6^6\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6^6\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6^6\})$	3144960
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6^6\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6^6\})$	1575936
12	$\mathcal{O}(1; \{3^7, 4^6, 6^6\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6^6\})$	774144
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6^6\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6^6\})$	3096576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^7\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^7\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^7\})$	3145536
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^7\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^7\})$	1573632
12	$\mathcal{O}(1; \{3^8, 4^4, 6^7\})$	12582144
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^7\})$	783360
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^7\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^7\})$	3133440
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^8\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^8\})$	1573056
12	$\mathcal{O}(1; \{3^9, 4^2, 6^8\})$	12582720
12	$\mathcal{O}(1; \{2^9, 4^4, 6^8\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^8\})$	785664
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^8\})$	6292224
12	$\mathcal{O}(1; \{2^6, 4^6, 6^8\})$	396288

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^8\})$	3142656
12	$\mathcal{O}(1; \{2^3, 4^8, 6^8\})$	1585152
12	$\mathcal{O}(1; \{4^{10}, 6^8\})$	6340608
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^9\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^9\})$	786240
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^9\})$	6291648
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^9\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^9\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^9\})$	1575936
12	$\mathcal{O}(1; \{3, 4^8, 6^9\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^{10}\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^{10}\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^{10}\})$	1573632
12	$\mathcal{O}(1; \{3^2, 4^6, 6^{10}\})$	6294528
12	$\mathcal{O}(1; \{2^7, 4^2, 6^{11}\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^{11}\})$	1573056
12	$\mathcal{O}(1; \{2^4, 4^4, 6^{11}\})$	785664
12	$\mathcal{O}(1; \{3^3, 4^4, 6^{11}\})$	6292224
12	$\mathcal{O}(1; \{2, 4^6, 6^{11}\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^{12}\})$	786240
12	$\mathcal{O}(1; \{3^4, 4^2, 6^{12}\})$	6291648
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^{12}\})$	3144960
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^{13}\})$	3145536
12	$\mathcal{O}(1; \{2^2, 4^2, 6^{14}\})$	1573056
12	$\mathcal{O}(1; \{2^{21}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{12}, 4, 12\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{15}, 4, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{18}, 4, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^3, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^9, 4^5, 12\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^5, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^6, 4^7, 12\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^9, 4^7, 12\})$	6303744
12	$\mathcal{O}(1; \{3^{12}, 4^7, 12\})$	50319360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^3, 4^9, 12\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^6, 4^9, 12\})$	3096576
12	$\mathcal{O}(1; \{2, 3^9, 4^9, 12\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{11}, 12\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{11}, 12\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{13}, 12\})$	7077888
12	$\mathcal{O}(1; \{3^3, 4^{15}, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{22}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4, 6, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4, 6, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4, 6, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4, 6, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^3, 6, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^3, 6, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^7, 4^5, 6, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^5, 6, 12\})$	6294528
12	$\mathcal{O}(1; \{3^{13}, 4^5, 6, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^4, 4^7, 6, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^7, 4^7, 6, 12\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{10}, 4^7, 6, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 3, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^4, 4^9, 6, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^7, 4^9, 6, 12\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{11}, 6, 12\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{3^4, 4^{13}, 6, 12\})$	25952256
12	$\mathcal{O}(1; \{2, 3, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4, 6^2, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4, 6^2, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^8, 4^3, 6^2, 12\})$	785664

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^3, 6^2, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{14}, 4^3, 6^2, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^5, 4^5, 6^2, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^8, 4^5, 6^2, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{11}, 4^5, 6^2, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^7, 6^2, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^5, 4^7, 6^2, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^8, 4^7, 6^2, 12\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^2, 4^9, 6^2, 12\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^5, 4^9, 6^2, 12\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{11}, 6^2, 12\})$	2949120
12	$\mathcal{O}(1; \{3^5, 4^{11}, 6^2, 12\})$	25362432
12	$\mathcal{O}(1; \{2, 3^2, 4^{13}, 6^2, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{20}, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^9, 4, 6^3, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4, 6^3, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{15}, 4, 6^3, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^6, 4^3, 6^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^9, 4^3, 6^3, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{12}, 4^3, 6^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^5, 6^3, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^6, 4^5, 6^3, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^9, 4^5, 6^3, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^3, 4^7, 6^3, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^6, 4^7, 6^3, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 4^9, 6^3, 12\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^3, 4^9, 6^3, 12\})$	3096576
12	$\mathcal{O}(1; \{3^6, 4^9, 6^3, 12\})$	25214976
12	$\mathcal{O}(1; \{2^5, 4^{11}, 6^3, 12\})$	1769472
12	$\mathcal{O}(1; \{2, 3^3, 4^{11}, 6^3, 12\})$	12386304
12	$\mathcal{O}(1; \{2^2, 4^{13}, 6^3, 12\})$	7077888
12	$\mathcal{O}(1; \{2^{17}, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^7, 4, 6^4, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4, 6^4, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{13}, 4, 6^4, 12\})$	25166016

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 3, 4^3, 6^4, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^3, 6^4, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^7, 4^3, 6^4, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^3, 6^4, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^4, 4^5, 6^4, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^7, 4^5, 6^4, 12\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3, 4^7, 6^4, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^4, 4^7, 6^4, 12\})$	3133440
12	$\mathcal{O}(1; \{3^7, 4^7, 6^4, 12\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3, 4^9, 6^4, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^4, 4^9, 6^4, 12\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3, 4^{11}, 6^4, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 6^5, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 6^5, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 6^5, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 6^5, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 6^5, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 6^5, 12\})$	6292224
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 6^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 6^5, 12\})$	3142656
12	$\mathcal{O}(1; \{3^8, 4^5, 6^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 6^5, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 6^5, 12\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 6^5, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{15}, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6^6, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6^6, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6^6, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6^6, 12\})$	3144960
12	$\mathcal{O}(1; \{3^9, 4^3, 6^6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^9, 4^5, 6^6, 12\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6^6, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6^6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^6, 4^7, 6^6, 12\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6^6, 12\})$	6303744
12	$\mathcal{O}(1; \{2^3, 4^9, 6^6, 12\})$	3096576
12	$\mathcal{O}(1; \{4^{11}, 6^6, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^7, 12\})$	393408

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^7, 12\})$	3145536
12	$\mathcal{O}(1; \{3^{10}, 4, 6^7, 12\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^7, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^7, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^7, 12\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^7, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^7, 12\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^7, 12\})$	3133440
12	$\mathcal{O}(1; \{3, 4^9, 6^7, 12\})$	12533760
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^8, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^8, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^8, 12\})$	12582720
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^8, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^8, 12\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^8, 12\})$	3142656
12	$\mathcal{O}(1; \{3^2, 4^7, 6^8, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 4, 6^9, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^9, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^9, 12\})$	6291648
12	$\mathcal{O}(1; \{2^7, 4^3, 6^9, 12\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^9, 12\})$	3144960
12	$\mathcal{O}(1; \{2^4, 4^5, 6^9, 12\})$	1575936
12	$\mathcal{O}(1; \{3^3, 4^5, 6^9, 12\})$	12579840
12	$\mathcal{O}(1; \{2, 4^7, 6^9, 12\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^{10}, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^{10}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^{10}, 12\})$	1573632
12	$\mathcal{O}(1; \{3^4, 4^3, 6^{10}, 12\})$	12582144
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^{10}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^{11}, 12\})$	1573056
12	$\mathcal{O}(1; \{3^5, 4, 6^{11}, 12\})$	12582720
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^{11}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^5, 4, 6^{12}, 12\})$	786240
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^{12}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 4^3, 6^{12}, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^{13}, 12\})$	3145536
12	$\mathcal{O}(1; \{4, 6^{15}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{22}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{18}, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{17}, 12^2\})$	50331456

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^8, 4^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{3^{14}, 4^4, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^5, 4^6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^8, 4^6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2, 3^{11}, 4^6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^8, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^5, 4^8, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^8, 4^8, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{10}, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{10}, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{12}, 12^2\})$	7077888
12	$\mathcal{O}(1; \{3^5, 4^{12}, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2, 3^2, 4^{14}, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{23}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{12}, 6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{15}, 6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{20}, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^2, 6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^9, 4^2, 6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^2, 6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{15}, 4^2, 6, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^6, 4^4, 6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^9, 4^4, 6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{12}, 4^4, 6, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^6, 6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^6, 4^6, 6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^9, 4^6, 6, 12^2\})$	25178112

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^3, 4^8, 6, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^6, 4^8, 6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^8, 4^{10}, 6, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{10}, 6, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^6, 4^{10}, 6, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^5, 4^{12}, 6, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{12}, 6, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^2, 4^{14}, 6, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{10}, 6^2, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{13}, 6^2, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{16}, 6^2, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{17}, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^2, 6^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^7, 4^2, 6^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^2, 6^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{13}, 4^2, 6^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^4, 6^2, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^7, 4^4, 6^2, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^4, 6^2, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^4, 4^6, 6^2, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^7, 4^6, 6^2, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3, 4^8, 6^2, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^4, 4^8, 6^2, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^7, 4^8, 6^2, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3, 4^{10}, 6^2, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2, 3^4, 4^{10}, 6^2, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3, 4^{12}, 6^2, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{17}, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^8, 6^3, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{11}, 6^3, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{14}, 6^3, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 6^3, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 6^3, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 6^3, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 6^3, 12^2\})$	193536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 6^3, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 6^3, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 6^3, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 6^3, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^8, 4^6, 6^3, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 6^3, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 6^3, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 6^3, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{18}, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^6, 6^4, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^9, 6^4, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{12}, 6^4, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6^4, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6^4, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^9, 4^4, 6^4, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^9, 4^6, 6^4, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6^4, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6^4, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^6, 4^8, 6^4, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6^4, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6^4, 12^2\})$	6488064
12	$\mathcal{O}(1; \{4^{12}, 6^4, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^{15}, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6^5, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^7, 6^5, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6^5, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^5, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^5, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^5, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^5, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^5, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^5, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^5, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^5, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^5, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3, 4^{10}, 6^5, 12^2\})$	25362432

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^5, 6^6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^8, 6^6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{11}, 6^6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^2, 4^8, 6^6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^{13}, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^3, 6^7, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^6, 6^7, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^9, 6^7, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^7, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^7, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^7, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^7, 4^4, 6^7, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^7, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^4, 4^6, 6^7, 12^2\})$	3133440
12	$\mathcal{O}(1; \{3^3, 4^6, 6^7, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2, 4^8, 6^7, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{10}, 3, 6^8, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^4, 6^8, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^7, 6^8, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^8, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^8, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^8, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^4, 4^4, 6^8, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^8, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^2, 6^9, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^5, 6^9, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^9, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^5, 4^2, 6^9, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^9, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^8, 6^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^3, 6^{10}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^6, 6^{10}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^5, 4^2, 6^{10}, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^{10}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^2, 4^4, 6^{10}, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3, 6^{11}, 12^2\})$	1573056

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 6^{11}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^{11}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^2, 6^{12}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 6^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{4^2, 6^{13}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3, 6^{14}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{3^{16}, 4, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{17}, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^7, 4^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{13}, 4^3, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^5, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^7, 4^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^5, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{11}, 3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^4, 4^7, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^7, 4^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3, 4^9, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^4, 3^4, 4^9, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^7, 4^9, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2^5, 3, 4^{11}, 12^3\})$	7077888
12	$\mathcal{O}(1; \{2, 3^4, 4^{11}, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^2, 3, 4^{13}, 12^3\})$	28311552
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^8, 4, 6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4, 6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{14}, 4, 6, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^3, 6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^8, 4^3, 6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^3, 6, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^5, 4^5, 6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^8, 4^5, 6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^8, 3^2, 4^7, 6, 12^3\})$	1622016

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^5, 4^7, 6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^8, 4^7, 6, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3^2, 4^9, 6, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2, 3^5, 4^9, 6, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{11}, 6, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{18}, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4, 6^2, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^9, 4, 6^2, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4, 6^2, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^6, 4^3, 6^2, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^9, 4^3, 6^2, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^3, 4^5, 6^2, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^6, 4^5, 6^2, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^9, 4^5, 6^2, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^9, 4^7, 6^2, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^3, 4^7, 6^2, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^6, 4^7, 6^2, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^6, 4^9, 6^2, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^3, 4^9, 6^2, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^3, 4^{11}, 6^2, 12^3\})$	11796480
12	$\mathcal{O}(1; \{4^{13}, 6^2, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 6^3, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 6^3, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 6^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 6^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^{10}, 4^3, 6^3, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 6^3, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 6^3, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 6^3, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 6^3, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 6^3, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 6^3, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3, 4^{11}, 6^3, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6^4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6^4, 12^3\})$	12582144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^{11}, 4, 6^4, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6^4, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6^4, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6^4, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6^4, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6^4, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6^4, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^2, 4^9, 6^4, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^{13}, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^5, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^5, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^5, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^5, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^5, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^5, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^7, 4^5, 6^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^4, 4^7, 6^5, 12^3\})$	6340608
12	$\mathcal{O}(1; \{3^3, 4^7, 6^5, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2, 4^9, 6^5, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^4, 4^5, 6^6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^7, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^7, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^7, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^5, 4^3, 6^7, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^7, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^8, 4, 6^8, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^8, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^6, 4, 6^8, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^5, 4^3, 6^8, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^8, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^2, 4^5, 6^8, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^9, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^9, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^9, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^{10}, 12^3\})$	12582144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 4, 6^{11}, 12^3\})$	6292224
12	$\mathcal{O}(1; \{4^3, 6^{11}, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3, 4, 6^{12}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{21}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^{17}, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{15}, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{18}, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^9, 4^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{15}, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^6, 4^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^9, 4^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^{12}, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{2^8, 3^3, 4^6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^6, 4^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^9, 4^6, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^9, 4^8, 12^4\})$	1769472
12	$\mathcal{O}(1; \{2^5, 3^3, 4^8, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2, 3^6, 4^8, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^6, 4^{10}, 12^4\})$	7077888
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{10}, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^3, 4^{12}, 12^4\})$	28311552
12	$\mathcal{O}(1; \{4^{14}, 12^4\})$	113246208
12	$\mathcal{O}(1; \{2^{18}, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^7, 6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^{10}, 6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{13}, 6, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 6, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 6, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 6, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 6, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^{10}, 4^4, 6, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 6, 12^4\})$	1622016

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 6, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 6, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 6, 12^4\})$	25952256
12	$\mathcal{O}(1; \{3, 4^{12}, 6, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^8, 6^2, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6^2, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6^2, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6^2, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6^2, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6^2, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6^2, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6^2, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6^2, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6^2, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^{16}, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^6, 6^3, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^9, 6^3, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{12}, 6^3, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^3, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^3, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^3, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^3, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^3, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^3, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^7, 4^6, 6^3, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^3, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^4, 4^8, 6^3, 12^4\})$	12386304
12	$\mathcal{O}(1; \{3^3, 4^8, 6^3, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2, 4^{10}, 6^3, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{13}, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^4, 6^4, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^7, 6^4, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{10}, 6^4, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^4, 12^4\})$	783360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^4, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^4, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^4, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^4, 4^6, 6^4, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^4, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^5, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^5, 6^5, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^8, 6^5, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^5, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^5, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^5, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^5, 4^4, 6^5, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^5, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^{11}, 6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^3, 6^6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^6, 6^6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^8, 4^2, 6^6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^6, 4^2, 6^6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^5, 4^4, 6^6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^2, 4^6, 6^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3, 6^7, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^4, 6^7, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^7, 6^7, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^7, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^7, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^7, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^2, 6^8, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^5, 6^8, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^8, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^6, 6^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^3, 6^9, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^3, 4^2, 6^9, 12^4\})$	12579840
12	$\mathcal{O}(1; \{4^4, 6^9, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3, 6^{10}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3, 4^2, 6^{10}, 12^4\})$	50328576
12	$\mathcal{O}(1; \{3^2, 6^{11}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2, 6^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4, 12^5\})$	1575936

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^8, 4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^5, 4^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^8, 4^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^{11}, 4^3, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^9, 3^2, 4^5, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^5, 4^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2, 3^8, 4^5, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^6, 3^2, 4^7, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^5, 4^7, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3^2, 4^9, 12^5\})$	49545216
12	$\mathcal{O}(1; \{3^2, 4^{11}, 12^5\})$	198180864
12	$\mathcal{O}(1; \{2^{16}, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^{12}, 4, 6, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 6, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 6, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 6, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 4^5, 6, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 6, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 6, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^7, 4^7, 6, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 6, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^4, 4^9, 6, 12^5\})$	25952256
12	$\mathcal{O}(1; \{3^3, 4^9, 6, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2, 4^{11}, 6, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6^2, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6^2, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6^2, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6^2, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6^2, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6^2, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6^2, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6^2, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6^2, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3^4, 4^7, 6^2, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2, 3, 4^9, 6^2, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^3, 12^5\})$	1575936

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^3, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^3, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^3, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^5, 4^5, 6^3, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^3, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^{11}, 4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^8, 4^3, 6^4, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^4, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^6, 4^3, 6^4, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^5, 4^5, 6^4, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^4, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^2, 4^7, 6^4, 12^5\})$	50135040
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^5, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^5, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^7, 4, 6^5, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^5, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^5, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^6, 4, 6^7, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^7, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^3, 4^3, 6^7, 12^5\})$	25178112
12	$\mathcal{O}(1; \{4^5, 6^7, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^8, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3, 4^3, 6^8, 12^5\})$	100675584
12	$\mathcal{O}(1; \{3^2, 4, 6^9, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2, 4, 6^{10}, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{16}, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{12}, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{3^{13}, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 12^6\})$	3096576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 12^6\})$	49545216
12	$\mathcal{O}(1; \{3^4, 4^8, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^5, 6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^8, 6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{11}, 6, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3^5, 4^6, 6, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{14}, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^2, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^6, 6^2, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^9, 6^2, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^8, 4^4, 6^2, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^2, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^6, 4^4, 6^2, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^5, 4^6, 6^2, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^2, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^2, 4^8, 6^2, 12^6\})$	101449728
12	$\mathcal{O}(1; \{2^{11}, 3, 6^3, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^4, 6^3, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^7, 6^3, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^3, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^3, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^7, 4^2, 6^3, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^3, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^3, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^3, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^8, 3^2, 6^4, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^5, 6^4, 12^6\})$	50328576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^8, 6^4, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^4, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^4, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^9, 6^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^3, 6^5, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^6, 6^5, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^6, 4^2, 6^5, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^5, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^3, 4^4, 6^5, 12^6\})$	50282496
12	$\mathcal{O}(1; \{4^6, 6^5, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^6, 3, 6^6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^4, 6^6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3, 4^4, 6^6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^2, 6^7, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^2, 4^2, 6^7, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^4, 6^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{3^3, 6^8, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2, 4^2, 6^8, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2, 3, 6^9, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^{11}, 4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^8, 4^5, 12^7\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3^6, 4^5, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2^5, 4^7, 12^7\})$	49545216
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^2, 4^9, 12^7\})$	198180864
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^7, 4^3, 6, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6, 12^7\})$	200540160

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^2, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^2, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^8, 4, 6^2, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^2, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^2, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^2, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^9, 4, 6^3, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^3, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^3, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^6, 4^3, 6^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^3, 4^5, 6^3, 12^7\})$	100859904
12	$\mathcal{O}(1; \{4^7, 6^3, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^4, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3, 4^5, 6^4, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^5, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^2, 4^3, 6^5, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^4, 4, 6^6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{3^3, 4, 6^6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2, 4^3, 6^6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2, 3, 4, 6^7, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^{11}, 3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^8, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3^8, 4^2, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 12^8\})$	100859904
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^{12}, 6, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^3, 6, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^6, 6, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^9, 6, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^9, 4^2, 6, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^6, 4^4, 6, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^3, 4^6, 6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{4^8, 6, 12^8\})$	802160640

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3, 6^2, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^4, 6^2, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^7, 6^2, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^2, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3, 4^6, 6^2, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^6, 3^2, 6^3, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^5, 6^3, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^3, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3^2, 4^4, 6^3, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^7, 6^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^3, 6^4, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^4, 4^2, 6^4, 12^8\})$	100712448
12	$\mathcal{O}(1; \{3^3, 4^2, 6^4, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2, 4^4, 6^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^4, 3, 6^5, 12^8\})$	100675584
12	$\mathcal{O}(1; \{3^4, 6^5, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^5, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2, 3^2, 6^6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^2, 6^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2^9, 3, 4, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2, 3^7, 4, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 12^9\})$	403439616
12	$\mathcal{O}(1; \{3, 4^7, 12^9\})$	1613758464
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6, 12^9\})$	402849792
12	$\mathcal{O}(1; \{3^2, 4^5, 6, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2^7, 4, 6^2, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^2, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^4, 4^3, 6^2, 12^9\})$	201129984
12	$\mathcal{O}(1; \{3^3, 4^3, 6^2, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2, 4^5, 6^2, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^3, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^4, 4, 6^3, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^2, 4, 6^5, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2^{10}, 12^{10}\})$	25214976

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^7, 4^2, 12^{10}\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^4, 4^4, 12^{10}\})$	403439616
12	$\mathcal{O}(1; \{3^3, 4^4, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2, 4^6, 12^{10}\})$	1613758464
12	$\mathcal{O}(1; \{2^7, 3, 6, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^4, 6, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{3^4, 4^2, 6, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2, 3, 4^4, 6, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3^5, 6^2, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^5, 6^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2, 3^3, 6^3, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3, 6^4, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{6^6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{3^5, 4, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2^5, 4, 6, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^3, 4, 6, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 4^3, 6, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{4, 6^4, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^5, 3, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{2, 3^4, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{2^2, 3^2, 6, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2^3, 6^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{4^2, 6^2, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{3, 6^3, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^3, 4, 12^{13}\})$	3220439040
12	$\mathcal{O}(1; \{4^3, 12^{13}\})$	12881756160
12	$\mathcal{O}(1; \{3, 4, 6, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{3^2, 12^{14}\})$	25770590208
12	$\mathcal{O}(1; \{2, 6, 12^{14}\})$	12884115456
12	$\mathcal{O}(0; \{2^{24}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^{10}, 4^2\})$	684

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{16}, 4^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{19}, 4^2\})$	349524
12	$\mathcal{O}(0; \{3^{22}, 4^2\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4^4\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^{19}, 4^4\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^6\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^6\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^6\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^8\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^8\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^7, 4^{10}\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^{10}\})$	175104
12	$\mathcal{O}(0; \{3^{13}, 4^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^4, 4^{12}\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^7, 4^{12}\})$	86016
12	$\mathcal{O}(0; \{2, 3^{10}, 4^{12}\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{14}\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{14}\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{16}\})$	196608
12	$\mathcal{O}(0; \{3^4, 4^{18}\})$	786432
12	$\mathcal{O}(0; \{2^{25}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{14}, 4^2, 6\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{17}, 4^2, 6\})$	174764
12	$\mathcal{O}(0; \{2, 3^{20}, 4^2, 6\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^4, 6\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^4, 6\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^4, 6\})$	699056

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^6, 6\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^6, 6\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^8, 4^8, 6\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^8, 6\})$	174848
12	$\mathcal{O}(0; \{3^{14}, 4^8, 6\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^5, 4^{10}, 6\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^8, 4^{10}, 6\})$	87040
12	$\mathcal{O}(0; \{2, 3^{11}, 4^{10}, 6\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{12}, 6\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{12}, 6\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{14}, 6\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{3^5, 4^{16}, 6\})$	720896
12	$\mathcal{O}(0; \{2, 3^2, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{2^{26}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^2, 6^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^2, 6^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^2, 6^2\})$	699052
12	$\mathcal{O}(0; \{2^{23}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^4, 6^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^4, 6^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^4, 6^2\})$	349520
12	$\mathcal{O}(0; \{2^{20}, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^9, 4^6, 6^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^6, 6^2\})$	174784
12	$\mathcal{O}(0; \{3^{15}, 4^6, 6^2\})$	1398080
12	$\mathcal{O}(0; \{2^{17}, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^8, 6^2\})$	1280

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^6, 4^8, 6^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^9, 4^8, 6^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^{12}, 4^8, 6^2\})$	699136
12	$\mathcal{O}(0; \{2^{14}, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{10}, 6^2\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{10}, 6^2\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{10}, 6^2\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{12}, 6^2\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{12}, 6^2\})$	176128
12	$\mathcal{O}(0; \{2^8, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{14}, 6^2\})$	81920
12	$\mathcal{O}(0; \{3^6, 4^{14}, 6^2\})$	704512
12	$\mathcal{O}(0; \{2^5, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{2, 3^3, 4^{16}, 6^2\})$	327680
12	$\mathcal{O}(0; \{2^2, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^2, 6^3\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^2, 6^3\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^4, 6^3\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^4, 6^3\})$	174768
12	$\mathcal{O}(0; \{3^{16}, 4^4, 6^3\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^7, 4^6, 6^3\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^6, 6^3\})$	87360
12	$\mathcal{O}(0; \{2, 3^{13}, 4^6, 6^3\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^8, 6^3\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^7, 4^8, 6^3\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^8, 6^3\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{10}, 6^3\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{10}, 6^3\})$	175104
12	$\mathcal{O}(0; \{2^8, 3, 4^{12}, 6^3\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{12}, 6^3\})$	86016
12	$\mathcal{O}(0; \{3^7, 4^{12}, 6^3\})$	700416

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4^{14}, 6^3\})$	49152
12	$\mathcal{O}(0; \{2, 3^4, 4^{14}, 6^3\})$	344064
12	$\mathcal{O}(0; \{2^2, 3, 4^{16}, 6^3\})$	196608
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^2, 6^4\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^2, 6^4\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^2, 6^4\})$	174764
12	$\mathcal{O}(0; \{3^{17}, 4^2, 6^4\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^8, 4^4, 6^4\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^4, 6^4\})$	87376
12	$\mathcal{O}(0; \{2, 3^{14}, 4^4, 6^4\})$	699056
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^6, 6^4\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^8, 4^6, 6^4\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^6, 6^4\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^5, 4^8, 6^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^8, 4^8, 6^4\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{10}, 6^4\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{10}, 6^4\})$	87040
12	$\mathcal{O}(0; \{3^8, 4^{10}, 6^4\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{12}, 6^4\})$	45056
12	$\mathcal{O}(0; \{2, 3^5, 4^{12}, 6^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{14}, 6^4\})$	180224
12	$\mathcal{O}(0; \{2^{21}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 6^5\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 6^5\})$	87380
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 6^5\})$	699052
12	$\mathcal{O}(0; \{2^{18}, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 6^5\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 6^5\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 6^5\})$	349520
12	$\mathcal{O}(0; \{2^{15}, 4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 6^5\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 6^5\})$	174784
12	$\mathcal{O}(0; \{2^{12}, 4^8, 6^5\})$	1280

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 6^5\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 6^5\})$	87296
12	$\mathcal{O}(0; \{3^9, 4^8, 6^5\})$	699136
12	$\mathcal{O}(0; \{2^9, 4^{10}, 6^5\})$	5120
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 6^5\})$	44032
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 6^5\})$	349184
12	$\mathcal{O}(0; \{2^6, 4^{12}, 6^5\})$	20480
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 6^5\})$	176128
12	$\mathcal{O}(0; \{2^3, 4^{14}, 6^5\})$	81920
12	$\mathcal{O}(0; \{4^{16}, 6^5\})$	327680
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6^6\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6^6\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6^6\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6^6\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6^6\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6^6\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6^6\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6^6\})$	87360
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6^6\})$	699072
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6^6\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6^6\})$	43776
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6^6\})$	349440
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6^6\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6^6\})$	175104
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6^6\})$	86016
12	$\mathcal{O}(0; \{3, 4^{14}, 6^6\})$	344064
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^7\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^7\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^7\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^7\})$	87376
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^7\})$	699056
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^7\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^7\})$	43712
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^7\})$	349504
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^7\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^7\})$	174848

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^7\})$	87040
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^7\})$	348160
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^8\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^8\})$	87380
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^8\})$	699052
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^8\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^8\})$	43696
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^8\})$	349520
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^8\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^8\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^8\})$	174784
12	$\mathcal{O}(0; \{2^7, 4^8, 6^8\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^8\})$	87296
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^8\})$	44032
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^8\})$	349184
12	$\mathcal{O}(0; \{2, 4^{12}, 6^8\})$	176128
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^9\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^9\})$	43692
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^9\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^9\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^9\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^9\})$	174768
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^9\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^9\})$	87360
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^9\})$	43776
12	$\mathcal{O}(0; \{3^4, 4^8, 6^9\})$	349440
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^9\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^{10}\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^{10}\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^{10}\})$	174764
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^{10}\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^{10}\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^{10}\})$	43712
12	$\mathcal{O}(0; \{3^5, 4^6, 6^{10}\})$	349504
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^{10}\})$	174848
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^{11}\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^{11}\})$	87380
12	$\mathcal{O}(0; \{2^8, 4^4, 6^{11}\})$	5456

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^{11}\})$	43696
12	$\mathcal{O}(0; \{3^6, 4^4, 6^{11}\})$	349520
12	$\mathcal{O}(0; \{2^5, 4^6, 6^{11}\})$	21824
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^{11}\})$	174784
12	$\mathcal{O}(0; \{2^2, 4^8, 6^{11}\})$	87296
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^{12}\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^{12}\})$	43692
12	$\mathcal{O}(0; \{3^7, 4^2, 6^{12}\})$	349524
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^{12}\})$	21840
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^{12}\})$	174768
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^{12}\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^{13}\})$	21844
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^{13}\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^{13}\})$	87376
12	$\mathcal{O}(0; \{2^6, 4^2, 6^{14}\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^{14}\})$	87380
12	$\mathcal{O}(0; \{2^3, 4^4, 6^{14}\})$	43696
12	$\mathcal{O}(0; \{4^6, 6^{14}\})$	174784
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{15}\})$	43692
12	$\mathcal{O}(0; \{3, 4^4, 6^{15}\})$	174768
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{16}\})$	174764
12	$\mathcal{O}(0; \{2, 4^2, 6^{17}\})$	87380
12	$\mathcal{O}(0; \{2^{25}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{15}, 4, 12\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{18}, 4, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^{21}, 4, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^3, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^5, 12\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^5, 12\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^9, 4^7, 12\})$	43776

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^7, 12\})$	349440
12	$\mathcal{O}(0; \{3^{15}, 4^7, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^6, 4^9, 12\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^9, 4^9, 12\})$	175104
12	$\mathcal{O}(0; \{2, 3^{12}, 4^9, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{11}, 12\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{11}, 12\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{11}, 12\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{13}, 12\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{13}, 12\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{15}, 12\})$	196608
12	$\mathcal{O}(0; \{3^6, 4^{15}, 12\})$	1376256
12	$\mathcal{O}(0; \{2, 3^3, 4^{17}, 12\})$	786432
12	$\mathcal{O}(0; \{2^{26}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4, 6, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4, 6, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4, 6, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^3, 6, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^3, 6, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^3, 6, 12\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^5, 6, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^5, 6, 12\})$	349504
12	$\mathcal{O}(0; \{3^{16}, 4^5, 6, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^7, 4^7, 6, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^7, 6, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^{13}, 4^7, 6, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^9, 6, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^7, 4^9, 6, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^9, 6, 12\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{11}, 6, 12\})$	4096

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{11}, 6, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{11}, 6, 12\})$	348160
12	$\mathcal{O}(0; \{2^8, 3, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{13}, 6, 12\})$	180224
12	$\mathcal{O}(0; \{3^7, 4^{13}, 6, 12\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{2, 3^4, 4^{15}, 6, 12\})$	720896
12	$\mathcal{O}(0; \{2^2, 3, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4, 6^2, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4, 6^2, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4, 6^2, 12\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^3, 6^2, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^3, 6^2, 12\})$	349520
12	$\mathcal{O}(0; \{3^{17}, 4^3, 6^2, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^5, 6^2, 12\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^8, 4^5, 6^2, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^5, 6^2, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{14}, 4^5, 6^2, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^7, 6^2, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^8, 4^7, 6^2, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^7, 6^2, 12\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^9, 6^2, 12\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^5, 4^9, 6^2, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^8, 4^9, 6^2, 12\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{11}, 6^2, 12\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{11}, 6^2, 12\})$	176128
12	$\mathcal{O}(0; \{3^8, 4^{11}, 6^2, 12\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{13}, 6^2, 12\})$	81920
12	$\mathcal{O}(0; \{2, 3^5, 4^{13}, 6^2, 12\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{15}, 6^2, 12\})$	327680
12	$\mathcal{O}(0; \{2^{24}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4, 6^3, 12\})$	43692

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4, 6^3, 12\})$	349524
12	$\mathcal{O}(0; \{3^{18}, 4, 6^3, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^9, 4^3, 6^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^3, 6^3, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{15}, 4^3, 6^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^5, 6^3, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^9, 4^5, 6^3, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^5, 6^3, 12\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^7, 6^3, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^6, 4^7, 6^3, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^9, 4^7, 6^3, 12\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 4^9, 6^3, 12\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^3, 4^9, 6^3, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^6, 4^9, 6^3, 12\})$	175104
12	$\mathcal{O}(0; \{3^9, 4^9, 6^3, 12\})$	1397760
12	$\mathcal{O}(0; \{2^9, 4^{11}, 6^3, 12\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{11}, 6^3, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^6, 4^{11}, 6^3, 12\})$	700416
12	$\mathcal{O}(0; \{2^6, 4^{13}, 6^3, 12\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{13}, 6^3, 12\})$	344064
12	$\mathcal{O}(0; \{2^3, 4^{15}, 6^3, 12\})$	196608
12	$\mathcal{O}(0; \{4^{17}, 6^3, 12\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4, 6^4, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4, 6^4, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{16}, 4, 6^4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^3, 6^4, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^3, 6^4, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^3, 6^4, 12\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^7, 4^5, 6^4, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^5, 6^4, 12\})$	349504

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^4, 4^7, 6^4, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^7, 4^7, 6^4, 12\})$	174848
12	$\mathcal{O}(0; \{3^{10}, 4^7, 6^4, 12\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3, 4^9, 6^4, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^4, 4^9, 6^4, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^7, 4^9, 6^4, 12\})$	699392
12	$\mathcal{O}(0; \{2^6, 3, 4^{11}, 6^4, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{11}, 6^4, 12\})$	348160
12	$\mathcal{O}(0; \{2^3, 3, 4^{13}, 6^4, 12\})$	180224
12	$\mathcal{O}(0; \{3, 4^{15}, 6^4, 12\})$	720896
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 6^5, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 6^5, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 6^5, 12\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 6^5, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 6^5, 12\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 6^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 6^5, 12\})$	174784
12	$\mathcal{O}(0; \{3^{11}, 4^5, 6^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 6^5, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 6^5, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 6^5, 12\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 6^5, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 6^5, 12\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 6^5, 12\})$	176128
12	$\mathcal{O}(0; \{3^2, 4^{13}, 6^5, 12\})$	704512
12	$\mathcal{O}(0; \{2^{19}, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6^6, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6^6, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6^6, 12\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6^6, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6^6, 12\})$	174768
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6^6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6^6, 12\})$	10944

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6^6, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6^6, 12\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6^6, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6^6, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6^6, 12\})$	349440
12	$\mathcal{O}(0; \{2^7, 4^9, 6^6, 12\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6^6, 12\})$	175104
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6^6, 12\})$	86016
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6^6, 12\})$	700416
12	$\mathcal{O}(0; \{2, 4^{13}, 6^6, 12\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^7, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^7, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^7, 12\})$	174764
12	$\mathcal{O}(0; \{3^{13}, 4, 6^7, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^7, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^7, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^7, 12\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^7, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^7, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^7, 12\})$	349504
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^7, 12\})$	174848
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^7, 12\})$	87040
12	$\mathcal{O}(0; \{3^4, 4^9, 6^7, 12\})$	699392
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^7, 12\})$	348160
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^8, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^8, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^8, 12\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^8, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^8, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^8, 12\})$	349520
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^8, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^8, 12\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^8, 12\})$	87296
12	$\mathcal{O}(0; \{3^5, 4^7, 6^8, 12\})$	699136
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^8, 12\})$	349184
12	$\mathcal{O}(0; \{2^{14}, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^9, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^9, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^9, 12\})$	349524

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^9, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^9, 12\})$	174768
12	$\mathcal{O}(0; \{2^8, 4^5, 6^9, 12\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^9, 12\})$	87360
12	$\mathcal{O}(0; \{3^6, 4^5, 6^9, 12\})$	699072
12	$\mathcal{O}(0; \{2^5, 4^7, 6^9, 12\})$	43776
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^9, 12\})$	349440
12	$\mathcal{O}(0; \{2^2, 4^9, 6^9, 12\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^{10}, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^{10}, 12\})$	174764
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^{10}, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^{10}, 12\})$	87376
12	$\mathcal{O}(0; \{3^7, 4^3, 6^{10}, 12\})$	699056
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^{10}, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^{10}, 12\})$	349504
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^{10}, 12\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^{11}, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^{11}, 12\})$	87380
12	$\mathcal{O}(0; \{3^8, 4, 6^{11}, 12\})$	699052
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^{11}, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^{11}, 12\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^{11}, 12\})$	174784
12	$\mathcal{O}(0; \{2^9, 4, 6^{12}, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^{12}, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^{12}, 12\})$	349524
12	$\mathcal{O}(0; \{2^6, 4^3, 6^{12}, 12\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^{12}, 12\})$	174768
12	$\mathcal{O}(0; \{2^3, 4^5, 6^{12}, 12\})$	87360
12	$\mathcal{O}(0; \{4^7, 6^{12}, 12\})$	349440
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^{13}, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^{13}, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^{13}, 12\})$	87376
12	$\mathcal{O}(0; \{3, 4^5, 6^{13}, 12\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^{14}, 12\})$	87380
12	$\mathcal{O}(0; \{3^2, 4^3, 6^{14}, 12\})$	349520
12	$\mathcal{O}(0; \{2^4, 4, 6^{15}, 12\})$	43692
12	$\mathcal{O}(0; \{3^3, 4, 6^{15}, 12\})$	349524
12	$\mathcal{O}(0; \{2, 4^3, 6^{15}, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3, 4, 6^{16}, 12\})$	174764
12	$\mathcal{O}(0; \{2^{26}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{22}, 3^5, 12^2\})$	84

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{18}, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{17}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{20}, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{3^{17}, 4^4, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^8, 4^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2, 3^{14}, 4^6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^8, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^8, 4^8, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^8, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{10}, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{10}, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{12}, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{12}, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^8, 4^{12}, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{14}, 12^2\})$	196608
12	$\mathcal{O}(0; \{2, 3^5, 4^{14}, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{16}, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{27}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{15}, 6, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{18}, 6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{24}, 4^2, 6, 12^2\})$	16

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^2, 6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^2, 6, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{18}, 4^2, 6, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^9, 4^4, 6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^4, 6, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{15}, 4^4, 6, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^6, 6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^9, 4^6, 6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^6, 6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^6, 4^8, 6, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^9, 4^8, 6, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{10}, 6, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{10}, 6, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^9, 4^{10}, 6, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^9, 4^{12}, 6, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{12}, 6, 12^2\})$	180224
12	$\mathcal{O}(0; \{2, 3^6, 4^{12}, 6, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^6, 4^{14}, 6, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{14}, 6, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^3, 4^{16}, 6, 12^2\})$	262144
12	$\mathcal{O}(0; \{4^{18}, 6, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{13}, 6^2, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{16}, 6^2, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{19}, 6^2, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{21}, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^2, 6^2, 12^2\})$	43696

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^2, 6^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{16}, 4^2, 6^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^4, 6^2, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^4, 6^2, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^4, 6^2, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^7, 4^6, 6^2, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^6, 6^2, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^4, 4^8, 6^2, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^7, 4^8, 6^2, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^{10}, 4^8, 6^2, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3, 4^{10}, 6^2, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{10}, 6^2, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^7, 4^{10}, 6^2, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3, 4^{12}, 6^2, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{12}, 6^2, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^3, 3, 4^{14}, 6^2, 12^2\})$	327680
12	$\mathcal{O}(0; \{3, 4^{16}, 6^2, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{21}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{11}, 6^3, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{14}, 6^3, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{17}, 6^3, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 6^3, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 6^3, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 6^3, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 6^3, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 6^3, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 6^3, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 6^3, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 6^3, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^{11}, 4^6, 6^3, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 6^3, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 6^3, 12^2\})$	175104

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 6^3, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 6^3, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 6^3, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 6^3, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^2, 4^{14}, 6^3, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^{22}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^9, 6^4, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{12}, 6^4, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{15}, 6^4, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6^4, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6^4, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6^4, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6^4, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6^4, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6^4, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6^4, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6^4, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6^4, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6^4, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6^4, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6^4, 12^2\})$	180224
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6^4, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2, 4^{14}, 6^4, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{19}, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{10}, 6^5, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{13}, 6^5, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^5, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^5, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^5, 12^2\})$	2796208

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^5, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^5, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^5, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^5, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^5, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^5, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^5, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^5, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^5, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^5, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^5, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^8, 6^6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6^6, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{14}, 6^6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^6, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^5, 4^8, 6^6, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^6, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{17}, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^6, 6^7, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^9, 6^7, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{12}, 6^7, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^7, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^7, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^7, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^7, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^7, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^8, 4^6, 6^7, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^7, 12^2\})$	174848

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^6, 4^6, 6^7, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^5, 4^8, 6^7, 12^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^7, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^7, 12^2\})$	348160
12	$\mathcal{O}(0; \{2^{14}, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^8, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^7, 6^8, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^8, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^8, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^8, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^8, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^8, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^7, 4^4, 6^8, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^8, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^8, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^5, 6^9, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^8, 6^9, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^9, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^9, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^8, 4^2, 6^9, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^9, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^9, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^9, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^3, 6^{10}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^6, 6^{10}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^9, 6^{10}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^9, 4^2, 6^{10}, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^{10}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^{10}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^6, 4^4, 6^{10}, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^{10}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^3, 4^6, 6^{10}, 12^2\})$	174848
12	$\mathcal{O}(0; \{4^8, 6^{10}, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^9, 3, 6^{11}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^4, 6^{11}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^7, 6^{11}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^{11}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^{11}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^{11}, 12^2\})$	174784

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^6, 6^{11}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^2, 6^{12}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^5, 6^{12}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^{12}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^2, 4^4, 6^{12}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^7, 6^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^3, 6^{13}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{13}, 12^2\})$	87376
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{13}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 4^4, 6^{13}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^4, 3, 6^{14}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^4, 6^{14}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{14}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^2, 6^{15}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 6^{16}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^{24}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{3^{19}, 4, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{21}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^{16}, 4^3, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^5, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{15}, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^7, 4^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^8, 3^4, 4^9, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^7, 4^9, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^{10}, 4^9, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^9, 3, 4^{11}, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{11}, 12^3\})$	344064

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^7, 4^{11}, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^6, 3, 4^{13}, 12^3\})$	196608
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{13}, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^3, 3, 4^{15}, 12^3\})$	786432
12	$\mathcal{O}(0; \{3, 4^{17}, 12^3\})$	3145728
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4, 6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4, 6, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{17}, 4, 6, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^3, 6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^3, 6, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^3, 6, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^5, 6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^8, 4^5, 6, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^5, 6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^5, 4^7, 6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^8, 4^7, 6, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^{11}, 4^7, 6, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^9, 3^2, 4^9, 6, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^5, 4^9, 6, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^8, 4^9, 6, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{11}, 6, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{11}, 6, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{13}, 6, 12^3\})$	720896
12	$\mathcal{O}(0; \{3^2, 4^{15}, 6, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^{22}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4, 6^2, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4, 6^2, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4, 6^2, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^9, 4^3, 6^2, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^3, 6^2, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 4^5, 6^2, 12^3\})$	1280

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^6, 4^5, 6^2, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^9, 4^5, 6^2, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^{12}, 4^5, 6^2, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^3, 4^7, 6^2, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^6, 4^7, 6^2, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^9, 4^7, 6^2, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 4^9, 6^2, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^3, 4^9, 6^2, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^6, 4^9, 6^2, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^7, 4^{11}, 6^2, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{11}, 6^2, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^4, 4^{13}, 6^2, 12^3\})$	327680
12	$\mathcal{O}(0; \{3^3, 4^{13}, 6^2, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2, 4^{15}, 6^2, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 6^3, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 6^3, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 6^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 6^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{13}, 4^3, 6^3, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 6^3, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 6^3, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 6^3, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 6^3, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 6^3, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 6^3, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 6^3, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 6^3, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 6^3, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^4, 4^{11}, 6^3, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 6^3, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6^4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6^4, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{14}, 4, 6^4, 12^3\})$	5592400

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6^4, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6^4, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6^4, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6^4, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6^4, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6^4, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6^4, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6^4, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6^4, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^5, 4^9, 6^4, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6^4, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{17}, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^5, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^5, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^5, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^5, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^5, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^5, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^8, 4^7, 6^5, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^5, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^6, 4^7, 6^5, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^5, 4^9, 6^5, 12^3\})$	176128
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^5, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^5, 12^3\})$	704512
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^6, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^6, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^7, 4^5, 6^6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^6, 12^3\})$	700416

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^7, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^7, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^7, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^7, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^7, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^8, 4^3, 6^7, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^7, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^7, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^8, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^8, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^9, 4, 6^8, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^9, 4^3, 6^8, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^8, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^8, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^6, 4^5, 6^8, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^8, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^3, 4^7, 6^8, 12^3\})$	349184
12	$\mathcal{O}(0; \{4^9, 6^8, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^9, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^9, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^9, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^9, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^9, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^9, 12^3\})$	349440
12	$\mathcal{O}(0; \{3, 4^7, 6^9, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^{10}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^{10}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^{10}, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^2, 4^5, 6^{10}, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^7, 4, 6^{11}, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^{11}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^4, 4^3, 6^{11}, 12^3\})$	174784
12	$\mathcal{O}(0; \{3^3, 4^3, 6^{11}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2, 4^5, 6^{11}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^{12}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^4, 4, 6^{12}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^{12}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{13}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 4, 6^{14}, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^{25}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{21}, 3^3, 12^4\})$	336

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{17}, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{15}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{18}, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{22}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{19}, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^9, 4^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{16}, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^6, 4^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^9, 4^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{3^{12}, 4^6, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^{13}, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{2^9, 3^3, 4^8, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^6, 4^8, 12^4\})$	700416
12	$\mathcal{O}(0; \{2, 3^9, 4^8, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^{10}, 4^{10}, 12^4\})$	49152
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{10}, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{10}, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^7, 4^{12}, 12^4\})$	196608
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{12}, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^4, 4^{14}, 12^4\})$	786432
12	$\mathcal{O}(0; \{3^3, 4^{14}, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2, 4^{16}, 12^4\})$	3145728
12	$\mathcal{O}(0; \{2^{22}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^7, 6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{13}, 6, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{16}, 6, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 6, 12^4\})$	349504

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^{13}, 4^4, 6, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 6, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 6, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 6, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 6, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 6, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 6, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 6, 12^4\})$	720896
12	$\mathcal{O}(0; \{3^4, 4^{12}, 6, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 6, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{19}, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{11}, 6^2, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{14}, 6^2, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6^2, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6^2, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6^2, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6^2, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6^2, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6^2, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6^2, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6^2, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6^2, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6^2, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6^2, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6^2, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{20}, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^6, 6^3, 12^4\})$	21840

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^9, 6^3, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{12}, 6^3, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{15}, 6^3, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^3, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^3, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^3, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^3, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^3, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^3, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^3, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^3, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^8, 4^8, 6^3, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^3, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^6, 4^8, 6^3, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^3, 12^4\})$	344064
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^3, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^3, 12^4\})$	1376256
12	$\mathcal{O}(0; \{2^{17}, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^7, 6^4, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6^4, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{13}, 6^4, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^4, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^4, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^4, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^4, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^4, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^7, 4^6, 6^4, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^4, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^4, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^4, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^5, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^8, 6^5, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^5, 12^4\})$	2796208

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^5, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^5, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^5, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^5, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^5, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^8, 4^4, 6^5, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^5, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^5, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^5, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{15}, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^6, 6^6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^9, 6^6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^6, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^9, 4^2, 6^6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^9, 4^4, 6^6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^6, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^6, 4^6, 6^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^3, 4^8, 6^6, 12^4\})$	700416
12	$\mathcal{O}(0; \{4^{10}, 6^6, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{12}, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^4, 6^7, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^7, 6^7, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^{10}, 6^7, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^7, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^7, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^7, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^7, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^7, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^7, 12^4\})$	699392
12	$\mathcal{O}(0; \{3, 4^8, 6^7, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^9, 3^2, 6^8, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^5, 6^8, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^8, 6^8, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^8, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^8, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^8, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^2, 4^6, 6^8, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 6^9, 12^4\})$	21840

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 6^9, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^6, 6^9, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^7, 4^2, 6^9, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^9, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^4, 4^4, 6^9, 12^4\})$	349440
12	$\mathcal{O}(0; \{3^3, 4^4, 6^9, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2, 4^6, 6^9, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3, 6^{10}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^4, 6^{10}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^{10}, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^4, 4^2, 6^{10}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^{10}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^2, 6^{11}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^5, 6^{11}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{11}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^5, 6^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^3, 6^{12}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{12}, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3, 6^{13}, 12^4\})$	699056
12	$\mathcal{O}(0; \{6^{15}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^8, 4^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^{14}, 4^3, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^5, 4^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^8, 4^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2, 3^{11}, 4^5, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^7, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^5, 4^7, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^8, 4^7, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3^2, 4^9, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^5, 4^9, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{11}, 12^5\})$	1376256
12	$\mathcal{O}(0; \{3^5, 4^{11}, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2, 3^2, 4^{13}, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{20}, 4, 6, 12^5\})$	704

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{15}, 4, 6, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 6, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 6, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 6, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 6, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 4^7, 6, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 6, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^8, 4^9, 6, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 6, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^6, 4^9, 6, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^5, 4^{11}, 6, 12^5\})$	720896
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 6, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^2, 4^{13}, 6, 12^5\})$	2883584
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6^2, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6^2, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6^2, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6^2, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6^2, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6^2, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6^2, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6^2, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6^2, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6^2, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^7, 4^7, 6^2, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6^2, 12^5\})$	704512
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6^2, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6^2, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^3, 12^5\})$	87360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^3, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^3, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^3, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^3, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^8, 4^5, 6^3, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^3, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^3, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^3, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{15}, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^4, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^4, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^4, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^9, 4^3, 6^4, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^9, 4^5, 6^4, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^4, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^4, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^6, 4^7, 6^4, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^4, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^3, 4^9, 6^4, 12^5\})$	1392640
12	$\mathcal{O}(0; \{4^{11}, 6^4, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^5, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^5, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^{10}, 4, 6^5, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^5, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^5, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^5, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^5, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3, 4^9, 6^5, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^6, 12^5\})$	1397760

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^2, 4^7, 6^6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^{10}, 4, 6^7, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^7, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^7, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^7, 4^3, 6^7, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^7, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^4, 4^5, 6^7, 12^5\})$	699392
12	$\mathcal{O}(0; \{3^3, 4^5, 6^7, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2, 4^7, 6^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^8, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^8, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^8, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^4, 4^3, 6^8, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^8, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^9, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^5, 4, 6^9, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^9, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^5, 4, 6^{10}, 12^5\})$	349504
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^{10}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^2, 4^3, 6^{10}, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{11}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{4, 6^{13}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{20}, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{16}, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{13}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{3^{16}, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^7, 4^8, 12^6\})$	22364160

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 12^6\})$	1376256
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 12^6\})$	5505024
12	$\mathcal{O}(0; \{2^{17}, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^8, 6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{11}, 6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{14}, 6, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^8, 4^6, 6, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{18}, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6^2, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^9, 6^2, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6^2, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^2, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^2, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^9, 4^4, 6^2, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^9, 4^6, 6^2, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^2, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^2, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^6, 4^8, 6^2, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^2, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^2, 12^6\})$	2818048
12	$\mathcal{O}(0; \{4^{12}, 6^2, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{15}, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^3, 12^6\})$	87360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^7, 6^3, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^3, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^3, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^3, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^3, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^3, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^3, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^3, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^3, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^3, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^3, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3, 4^{10}, 6^3, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^5, 6^4, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^8, 6^4, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{11}, 6^4, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^4, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^4, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^4, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^4, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^2, 4^8, 6^4, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^{13}, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^3, 6^5, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^6, 6^5, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^9, 6^5, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^5, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^5, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^5, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^7, 4^4, 6^5, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^5, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^4, 4^6, 6^5, 12^6\})$	1396736
12	$\mathcal{O}(0; \{3^3, 4^6, 6^5, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2, 4^8, 6^5, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{10}, 3, 6^6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^4, 6^6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^7, 6^6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^4, 4^4, 6^6, 12^6\})$	11185152

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3^2, 6^7, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^5, 6^7, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^7, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^5, 4^2, 6^7, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^7, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^8, 6^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^3, 6^8, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^6, 6^8, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^5, 4^2, 6^8, 12^6\})$	699136
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^8, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^2, 4^4, 6^8, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3, 6^9, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^4, 6^9, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^9, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^2, 6^{10}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^3, 6^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{4^2, 6^{11}, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3, 6^{12}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{15}, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^{12}, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^9, 4^5, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^9, 4^7, 12^7\})$	344064
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^6, 4^9, 12^7\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^3, 4^{11}, 12^7\})$	5505024
12	$\mathcal{O}(0; \{4^{13}, 12^7\})$	22020096
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6, 12^7\})$	11184896

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6, 12^7\})$	5570560
12	$\mathcal{O}(0; \{3, 4^{11}, 6, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^2, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^2, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^{11}, 4, 6^2, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^2, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^2, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^2, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^2, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^2, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^2, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3^2, 4^9, 6^2, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^{13}, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^3, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^3, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^3, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^3, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^7, 4^5, 6^3, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^3, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^4, 4^7, 6^3, 12^7\})$	2801664
12	$\mathcal{O}(0; \{3^3, 4^7, 6^3, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2, 4^9, 6^3, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^4, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^4, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^4, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^4, 4^5, 6^4, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^4, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^5, 12^7\})$	699136

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^5, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^5, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^5, 4^3, 6^5, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^8, 4, 6^6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^6, 4, 6^6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^5, 4^3, 6^6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^2, 4^5, 6^6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^7, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^7, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^7, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^8, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^3, 4, 6^9, 12^7\})$	2796288
12	$\mathcal{O}(0; \{4^3, 6^9, 12^7\})$	11185152
12	$\mathcal{O}(0; \{3, 4, 6^{10}, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{15}, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{11}, 3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^{11}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^{11}, 4^2, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 12^8\})$	11206656
12	$\mathcal{O}(0; \{3^2, 4^{10}, 12^8\})$	44826624
12	$\mathcal{O}(0; \{2^{16}, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^6, 6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^9, 6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^{12}, 6, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6, 12^8\})$	2797568

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^7, 4^6, 6, 12^8\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^4, 4^8, 6, 12^8\})$	5570560
12	$\mathcal{O}(0; \{3^3, 4^8, 6, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2, 4^{10}, 6, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{13}, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^4, 6^2, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^7, 6^2, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{10}, 6^2, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^2, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^2, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^2, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3^4, 4^6, 6^2, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^2, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^3, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^5, 6^3, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^8, 6^3, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^3, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^3, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^3, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^5, 4^4, 6^3, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^3, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^{11}, 6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^3, 6^4, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^6, 6^4, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^8, 4^2, 6^4, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^4, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^6, 4^2, 6^4, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^5, 4^4, 6^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^2, 4^6, 6^4, 12^8\})$	11190272
12	$\mathcal{O}(0; \{2^8, 3, 6^5, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^4, 6^5, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^7, 6^5, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^5, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^5, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^5, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^2, 6^6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^5, 6^6, 12^8\})$	22369536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^6, 6^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^3, 6^7, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^3, 4^2, 6^7, 12^8\})$	5592064
12	$\mathcal{O}(0; \{4^4, 6^7, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3, 6^8, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3, 4^2, 6^8, 12^8\})$	22369280
12	$\mathcal{O}(0; \{3^2, 6^9, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2, 6^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 12^9\})$	11206656
12	$\mathcal{O}(0; \{3^4, 4^7, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2, 3, 4^9, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3^5, 4^5, 6, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^{11}, 4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^2, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^2, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^8, 4^3, 6^2, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^2, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^6, 4^3, 6^2, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^5, 4^5, 6^2, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^2, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^2, 4^7, 6^2, 12^9\})$	22347776
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^3, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^3, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^7, 4, 6^3, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^3, 12^9\})$	44740608

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^3, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^4, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^6, 4, 6^5, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^5, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^3, 4^3, 6^5, 12^9\})$	11186176
12	$\mathcal{O}(0; \{4^5, 6^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3, 4^3, 6^6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{3^2, 4, 6^7, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2, 4, 6^8, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^{14}, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^9, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^{11}, 4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^8, 4^4, 12^{10}\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3^6, 4^4, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2^5, 4^6, 12^{10}\})$	11206656
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^2, 4^8, 12^{10}\})$	44826624
12	$\mathcal{O}(0; \{2^{11}, 3, 6, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^4, 6, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^7, 6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^7, 4^2, 6, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^8, 6^2, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^2, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^9, 6^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^6, 6^3, 12^{10}\})$	89478144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 4^2, 6^3, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^3, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^3, 4^4, 6^3, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{4^6, 6^3, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^6, 3, 6^4, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^4, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3, 4^4, 6^4, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^2, 4^2, 6^5, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 6^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{3^3, 6^6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2, 4^2, 6^6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2, 3, 6^7, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^8, 4, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^9, 4, 6, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^6, 4, 6, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 4^3, 6, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 4^5, 6, 12^{11}\})$	44761088
12	$\mathcal{O}(0; \{4^7, 6, 12^{11}\})$	179044352
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^2, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^2, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^2, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3, 4^5, 6^2, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^3, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^2, 4^3, 6^3, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 4, 6^4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{3^3, 4, 6^4, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2, 4^3, 6^4, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2, 3, 4, 6^5, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^9, 3, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^7, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 12^{12}\})$	89456640

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^6, 12^{12}\})$	357826560
12	$\mathcal{O}(0; \{2^6, 3^2, 6, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^5, 6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{3^2, 4^4, 6, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^7, 6^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2, 4^4, 6^2, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^4, 3, 6^3, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^4, 6^3, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^2, 6^4, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 6^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2^7, 4, 12^{13}\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 4^3, 12^{13}\})$	89456640
12	$\mathcal{O}(0; \{3^3, 4^3, 12^{13}\})$	715849728
12	$\mathcal{O}(0; \{2, 4^5, 12^{13}\})$	357826560
12	$\mathcal{O}(0; \{2^4, 3, 4, 6, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{3^4, 4, 6, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2, 3, 4^3, 6, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 4, 6^3, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 3^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{3^5, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2^5, 6, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^3, 6, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 4^2, 6, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{2^2, 3, 6^2, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{6^4, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 3, 4, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{4, 6^2, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2^3, 12^{16}\})$	715849728
12	$\mathcal{O}(0; \{4^2, 12^{16}\})$	2863398912
12	$\mathcal{O}(0; \{3, 6, 12^{16}\})$	2863333376
13	$\mathcal{O}(2; \{13^{12}\})$	19588672684844796
14	$\mathcal{O}(5; \{2^3, 7^2, 14\})$	8677639649280
14	$\mathcal{O}(5; \{2, 7, 14^3\})$	53801365825536
14	$\mathcal{O}(4; \{2^2, 7^6\})$	9837609847296
14	$\mathcal{O}(4; \{2^7, 7^2, 14\})$	44273671680

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(4; \{7^5, 14^2\})$	59016804349440
14	$\mathcal{O}(4; \{2^5, 7, 14^3\})$	274496764416
14	$\mathcal{O}(4; \{2^3, 14^5\})$	1638125852160
14	$\mathcal{O}(3; \{2^6, 7^6\})$	50191886976
14	$\mathcal{O}(3; \{2^{11}, 7^2, 14\})$	225886080
14	$\mathcal{O}(3; \{2^4, 7^5, 14^2\})$	301106144640
14	$\mathcal{O}(3; \{2^9, 7, 14^3\})$	1400493696
14	$\mathcal{O}(3; \{2^2, 7^4, 14^4\})$	1806682045056
14	$\mathcal{O}(3; \{2^7, 14^5\})$	8357784960
14	$\mathcal{O}(3; \{7^3, 14^6\})$	10840047093120
14	$\mathcal{O}(2; \{2^{10}, 7^6\})$	256081056
14	$\mathcal{O}(2; \{2^{15}, 7^2, 14\})$	1152480
14	$\mathcal{O}(2; \{2^3, 7^9, 14\})$	331838406816
14	$\mathcal{O}(2; \{2^8, 7^5, 14^2\})$	1536255840
14	$\mathcal{O}(2; \{2^{13}, 7, 14^3\})$	7145376
14	$\mathcal{O}(2; \{2, 7^8, 14^3\})$	1991030210400
14	$\mathcal{O}(2; \{2^6, 7^4, 14^4\})$	9217765536
14	$\mathcal{O}(2; \{2^{11}, 14^5\})$	42641760
14	$\mathcal{O}(2; \{2^4, 7^3, 14^6\})$	55306362720
14	$\mathcal{O}(2; \{2^2, 7^2, 14^8\})$	331838406816
14	$\mathcal{O}(2; \{7, 14^{10}\})$	1991030210400
14	$\mathcal{O}(1; \{2^{14}, 7^6\})$	1306536
14	$\mathcal{O}(1; \{2^2, 7^{13}\})$	365699432280
14	$\mathcal{O}(1; \{2^{19}, 7^2, 14\})$	5880
14	$\mathcal{O}(1; \{2^7, 7^9, 14\})$	1693053096
14	$\mathcal{O}(1; \{2^{12}, 7^5, 14^2\})$	7838040
14	$\mathcal{O}(1; \{7^{12}, 14^2\})$	2194196594856
14	$\mathcal{O}(1; \{2^{17}, 7, 14^3\})$	36456
14	$\mathcal{O}(1; \{2^5, 7^8, 14^3\})$	10158317400
14	$\mathcal{O}(1; \{2^{10}, 7^4, 14^4\})$	47029416
14	$\mathcal{O}(1; \{2^{15}, 14^5\})$	217560
14	$\mathcal{O}(1; \{2^3, 7^7, 14^5\})$	60949905576
14	$\mathcal{O}(1; \{2^8, 7^3, 14^6\})$	282175320
14	$\mathcal{O}(1; \{2, 7^6, 14^7\})$	365699432280
14	$\mathcal{O}(1; \{2^6, 7^2, 14^8\})$	1693053096
14	$\mathcal{O}(1; \{2^4, 7, 14^{10}\})$	10158317400
14	$\mathcal{O}(1; \{2^2, 14^{12}\})$	60949905576
14	$\mathcal{O}(0; \{2^{18}, 7^6\})$	6666
14	$\mathcal{O}(0; \{2^6, 7^{13}\})$	1865813430
14	$\mathcal{O}(0; \{2^{23}, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{2^{11}, 7^9, 14\})$	8638026
14	$\mathcal{O}(0; \{2^{16}, 7^5, 14^2\})$	39990
14	$\mathcal{O}(0; \{2^4, 7^{12}, 14^2\})$	11194880586

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^{21}, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2^9, 7^8, 14^3\})$	51828150
14	$\mathcal{O}(0; \{2^{14}, 7^4, 14^4\})$	239946
14	$\mathcal{O}(0; \{2^2, 7^{11}, 14^4\})$	67169283510
14	$\mathcal{O}(0; \{2^{19}, 14^5\})$	1110
14	$\mathcal{O}(0; \{2^7, 7^7, 14^5\})$	310968906
14	$\mathcal{O}(0; \{2^{12}, 7^3, 14^6\})$	1439670
14	$\mathcal{O}(0; \{7^{10}, 14^6\})$	403015701066
14	$\mathcal{O}(0; \{2^5, 7^6, 14^7\})$	1865813430
14	$\mathcal{O}(0; \{2^{10}, 7^2, 14^8\})$	8638026
14	$\mathcal{O}(0; \{2^3, 7^5, 14^9\})$	11194880586
14	$\mathcal{O}(0; \{2^8, 7, 14^{10}\})$	51828150
14	$\mathcal{O}(0; \{2, 7^4, 14^{11}\})$	67169283510
14	$\mathcal{O}(0; \{2^6, 14^{12}\})$	310968906
15	$\mathcal{O}(6; \{3^2\})$	259492674718368
15	$\mathcal{O}(5; \{3^5\})$	5766503315760
15	$\mathcal{O}(5; \{3, 5, 15^2\})$	13839609375000
15	$\mathcal{O}(4; \{3^8\})$	220408029504
15	$\mathcal{O}(4; \{3^2, 5^5\})$	1045659375000
15	$\mathcal{O}(4; \{3^3, 5^3, 15\})$	799621875000
15	$\mathcal{O}(4; \{3^4, 5, 15^2\})$	676603125000
15	$\mathcal{O}(4; \{5^2, 15^4\})$	12609421875000
15	$\mathcal{O}(4; \{3, 15^5\})$	11502253125000
15	$\mathcal{O}(3; \{3^{11}\})$	7767909072
15	$\mathcal{O}(3; \{3^5, 5^5\})$	23236875000
15	$\mathcal{O}(3; \{3^6, 5^3, 15\})$	24877125000
15	$\mathcal{O}(3; \{3^7, 5, 15^2\})$	23236875000
15	$\mathcal{O}(3; \{3, 5^6, 15^2\})$	298616625000
15	$\mathcal{O}(3; \{3^2, 5^4, 15^3\})$	373156875000
15	$\mathcal{O}(3; \{3^3, 5^2, 15^4\})$	392293125000
15	$\mathcal{O}(3; \{3^4, 15^5\})$	395026875000
15	$\mathcal{O}(3; \{5, 15^7\})$	6270949125000
15	$\mathcal{O}(2; \{3^{14}\})$	276071328
15	$\mathcal{O}(2; \{3^8, 5^5\})$	888165000
15	$\mathcal{O}(2; \{3^2, 5^{10}\})$	21233745000
15	$\mathcal{O}(2; \{3^9, 5^3, 15\})$	900315000
15	$\mathcal{O}(2; \{3^3, 5^8, 15\})$	15925005000
15	$\mathcal{O}(2; \{3^{10}, 5, 15^2\})$	829845000
15	$\mathcal{O}(2; \{3^4, 5^6, 15^2\})$	14599035000
15	$\mathcal{O}(2; \{3^5, 5^4, 15^3\})$	14262885000
15	$\mathcal{O}(2; \{3^6, 5^2, 15^4\})$	14197275000
15	$\mathcal{O}(2; \{5^7, 15^4\})$	254803725000
15	$\mathcal{O}(2; \{3^7, 15^5\})$	14107365000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(2; \{3, 5^5, 15^5\})$	233571195000
15	$\mathcal{O}(2; \{3^2, 5^3, 15^6\})$	228258405000
15	$\mathcal{O}(2; \{3^3, 5, 15^7\})$	226948635000
15	$\mathcal{O}(2; \{15^{10}\})$	3630970395000
15	$\mathcal{O}(1; \{3^{17}\})$	9437040
15	$\mathcal{O}(1; \{3^{11}, 5^5\})$	31303800
15	$\mathcal{O}(1; \{3^5, 5^{10}\})$	471861000
15	$\mathcal{O}(1; \{3^{12}, 5^3, 15\})$	31941000
15	$\mathcal{O}(1; \{3^6, 5^8, 15\})$	495444600
15	$\mathcal{O}(1; \{3^{13}, 5, 15^2\})$	29489400
15	$\mathcal{O}(1; \{3^7, 5^6, 15^2\})$	501381000
15	$\mathcal{O}(1; \{3, 5^{11}, 15^2\})$	6039797400
15	$\mathcal{O}(1; \{3^8, 5^4, 15^3\})$	502702200
15	$\mathcal{O}(1; \{3^2, 5^9, 15^3\})$	7549749000
15	$\mathcal{O}(1; \{3^9, 5^2, 15^4\})$	503685000
15	$\mathcal{O}(1; \{3^3, 5^7, 15^4\})$	7927227000
15	$\mathcal{O}(1; \{3^{10}, 15^5\})$	501319800
15	$\mathcal{O}(1; \{3^4, 5^5, 15^5\})$	8021637000
15	$\mathcal{O}(1; \{3^5, 5^3, 15^6\})$	8045076600
15	$\mathcal{O}(1; \{3^6, 5, 15^7\})$	8051589000
15	$\mathcal{O}(1; \{5^6, 15^7\})$	126835745400
15	$\mathcal{O}(1; \{3, 5^4, 15^8\})$	128345733000
15	$\mathcal{O}(1; \{3^2, 5^2, 15^9\})$	128723067000
15	$\mathcal{O}(1; \{3^3, 15^{10}\})$	128818053000
15	$\mathcal{O}(0; \{3^{14}, 5^5\})$	1114248
15	$\mathcal{O}(0; \{3^8, 5^{10}\})$	18035576
15	$\mathcal{O}(0; \{3^2, 5^{15}\})$	429496728
15	$\mathcal{O}(0; \{3^{15}, 5^3, 15\})$	1135992
15	$\mathcal{O}(0; \{3^9, 5^8, 15\})$	17930376
15	$\mathcal{O}(0; \{3^3, 5^{13}, 15\})$	322122252
15	$\mathcal{O}(0; \{3^{16}, 5, 15^2\})$	1048584
15	$\mathcal{O}(0; \{3^{10}, 5^6, 15^2\})$	17905528
15	$\mathcal{O}(0; \{3^4, 5^{11}, 15^2\})$	295278984
15	$\mathcal{O}(0; \{3^{11}, 5^4, 15^3\})$	17893512
15	$\mathcal{O}(0; \{3^5, 5^9, 15^3\})$	288568184
15	$\mathcal{O}(0; \{3^{12}, 5^2, 15^4\})$	17913720
15	$\mathcal{O}(0; \{3^6, 5^7, 15^4\})$	286890120
15	$\mathcal{O}(0; \{5^{12}, 15^4\})$	5153960760
15	$\mathcal{O}(0; \{3^{13}, 15^5\})$	17825928
15	$\mathcal{O}(0; \{3^7, 5^5, 15^5\})$	286472056
15	$\mathcal{O}(0; \{3, 5^{10}, 15^5\})$	4724464008
15	$\mathcal{O}(0; \{3^8, 5^3, 15^6\})$	286361736
15	$\mathcal{O}(0; \{3^2, 5^8, 15^6\})$	4617089912

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^9, 5, 15^7\})$	286357368
15	$\mathcal{O}(0; \{3^3, 5^6, 15^7\})$	4590246024
15	$\mathcal{O}(0; \{3^4, 5^4, 15^8\})$	4583536504
15	$\mathcal{O}(0; \{3^5, 5^2, 15^9\})$	4581853320
15	$\mathcal{O}(0; \{3^6, 15^{10}\})$	4581455736
15	$\mathcal{O}(0; \{5^5, 15^{10}\})$	73443940488
15	$\mathcal{O}(0; \{3, 5^3, 15^{11}\})$	73336567672
15	$\mathcal{O}(0; \{3^2, 5, 15^{12}\})$	73309718664
16	$\mathcal{O}(5; \{4, 16^2\})$	17592186044416
16	$\mathcal{O}(4; \{2^4, 4, 16^2\})$	68719476736
16	$\mathcal{O}(4; \{2, 4^3, 16^2\})$	274877906944
16	$\mathcal{O}(4; \{2^2, 8^2, 16^2\})$	549755813888
16	$\mathcal{O}(4; \{8, 16^4\})$	8796093022208
16	$\mathcal{O}(3; \{2^8, 4, 16^2\})$	268435456
16	$\mathcal{O}(3; \{2^5, 4^3, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2^2, 4^5, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{2^6, 8^2, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2^3, 4^2, 8^2, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{4^4, 8^2, 16^2\})$	34359738368
16	$\mathcal{O}(3; \{2, 4, 8^4, 16^2\})$	68719476736
16	$\mathcal{O}(3; \{2^4, 8, 16^4\})$	34359738368
16	$\mathcal{O}(3; \{2, 4^2, 8, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{2^2, 16^6\})$	549755813888
16	$\mathcal{O}(2; \{2^{12}, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{2^9, 4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^6, 4^5, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^3, 4^7, 16^2\})$	67108864
16	$\mathcal{O}(2; \{4^9, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^{10}, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^7, 4^2, 8^2, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^4, 4^4, 8^2, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2, 4^6, 8^2, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^5, 4, 8^4, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^2, 4^3, 8^4, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2^3, 8^6, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{4^2, 8^6, 16^2\})$	8589934592
16	$\mathcal{O}(2; \{2^8, 8, 16^4\})$	134217728
16	$\mathcal{O}(2; \{2^5, 4^2, 8, 16^4\})$	536870912
16	$\mathcal{O}(2; \{2^2, 4^4, 8, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2^3, 4, 8^3, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{4^3, 8^3, 16^4\})$	17179869184
16	$\mathcal{O}(2; \{2, 8^5, 16^4\})$	34359738368
16	$\mathcal{O}(2; \{2^6, 16^6\})$	2147483648

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2^3, 4^2, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{4^4, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{2, 4, 8^2, 16^6\})$	68719476736
16	$\mathcal{O}(1; \{2^{16}, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^{13}, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^{10}, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^7, 4^7, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^4, 4^9, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2, 4^{11}, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{14}, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^{11}, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^8, 4^4, 8^2, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^5, 4^6, 8^2, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^2, 4^8, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^9, 4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^6, 4^3, 8^4, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^3, 4^5, 8^4, 16^2\})$	16777216
16	$\mathcal{O}(1; \{4^7, 8^4, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^7, 8^6, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^4, 4^2, 8^6, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2, 4^4, 8^6, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2^2, 4, 8^8, 16^2\})$	268435456
16	$\mathcal{O}(1; \{8^{10}, 16^2\})$	2147483648
16	$\mathcal{O}(1; \{2^{12}, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^9, 4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^6, 4^4, 8, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^3, 4^6, 8, 16^4\})$	33554432
16	$\mathcal{O}(1; \{4^8, 8, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^7, 4, 8^3, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^4, 4^3, 8^3, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2, 4^5, 8^3, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^5, 8^5, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^2, 4^2, 8^5, 16^4\})$	536870912
16	$\mathcal{O}(1; \{4, 8^7, 16^4\})$	4294967296
16	$\mathcal{O}(1; \{2^{10}, 16^6\})$	8388608
16	$\mathcal{O}(1; \{2^7, 4^2, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^4, 4^4, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2, 4^6, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^5, 4, 8^2, 16^6\})$	268435456
16	$\mathcal{O}(1; \{2^2, 4^3, 8^2, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2^3, 8^4, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{4^2, 8^4, 16^6\})$	8589934592
16	$\mathcal{O}(1; \{2^3, 4, 8, 16^8\})$	4294967296

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{4^3, 8, 16^8\})$	17179869184
16	$\mathcal{O}(1; \{2, 8^3, 16^8\})$	34359738368
16	$\mathcal{O}(1; \{2, 4, 16^{10}\})$	68719476736
16	$\mathcal{O}(0; \{2^{20}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^{17}, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{14}, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{11}, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^8, 4^9, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^5, 4^{11}, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^2, 4^{13}, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^{18}, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{15}, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{12}, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^9, 4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^6, 4^8, 8^2, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^3, 4^{10}, 8^2, 16^2\})$	131072
16	$\mathcal{O}(0; \{4^{12}, 8^2, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^{13}, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^{10}, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^7, 4^5, 8^4, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^4, 4^7, 8^4, 16^2\})$	262144
16	$\mathcal{O}(0; \{2, 4^9, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^{11}, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^8, 4^2, 8^6, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^5, 4^4, 8^6, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^2, 4^6, 8^6, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^6, 4, 8^8, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^3, 4^3, 8^8, 16^2\})$	4194304
16	$\mathcal{O}(0; \{4^5, 8^8, 16^2\})$	16777216
16	$\mathcal{O}(0; \{2^4, 8^{10}, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2, 4^2, 8^{10}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{2^{16}, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^{13}, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^{10}, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^7, 4^6, 8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^4, 4^8, 8, 16^4\})$	524288
16	$\mathcal{O}(0; \{2, 4^{10}, 8, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^{11}, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^8, 4^3, 8^3, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^5, 4^5, 8^3, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^2, 4^7, 8^3, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^9, 8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^6, 4^2, 8^5, 16^4\})$	2097152

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 4^4, 8^5, 16^4\})$	8388608
16	$\mathcal{O}(0; \{4^6, 8^5, 16^4\})$	33554432
16	$\mathcal{O}(0; \{2^4, 4, 8^7, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2, 4^3, 8^7, 16^4\})$	67108864
16	$\mathcal{O}(0; \{2^2, 8^9, 16^4\})$	134217728
16	$\mathcal{O}(0; \{2^{14}, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^{11}, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^8, 4^4, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^5, 4^6, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^9, 4, 8^2, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^6, 4^3, 8^2, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^3, 4^5, 8^2, 16^6\})$	16777216
16	$\mathcal{O}(0; \{4^7, 8^2, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^7, 8^4, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^4, 4^2, 8^4, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2, 4^4, 8^4, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2^2, 4, 8^6, 16^6\})$	268435456
16	$\mathcal{O}(0; \{8^8, 16^6\})$	2147483648
16	$\mathcal{O}(0; \{2^7, 4, 8, 16^8\})$	16777216
16	$\mathcal{O}(0; \{2^4, 4^3, 8, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2, 4^5, 8, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^5, 8^3, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 16^8\})$	536870912
16	$\mathcal{O}(0; \{4, 8^5, 16^8\})$	4294967296
16	$\mathcal{O}(0; \{2^5, 4, 16^{10}\})$	268435456
16	$\mathcal{O}(0; \{2^2, 4^3, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{2^3, 8^2, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{4^2, 8^2, 16^{10}\})$	8589934592
16	$\mathcal{O}(0; \{2, 8, 16^{12}\})$	34359738368
17	$\mathcal{O}(6; \emptyset)$	582622237229760
18	$\mathcal{O}(4; \{2^2, 3, 9^2\})$	132239526912
18	$\mathcal{O}(4; \{6^2, 9^2\})$	264479053824
18	$\mathcal{O}(4; \{3, 9, 18^2\})$	396718580736
18	$\mathcal{O}(3; \{2^6, 3, 9^2\})$	408146688
18	$\mathcal{O}(3; \{2^2, 3^4, 9^2\})$	3265173504
18	$\mathcal{O}(3; \{2^3, 3^2, 6, 9^2\})$	1632586752
18	$\mathcal{O}(3; \{2^4, 6^2, 9^2\})$	816293376
18	$\mathcal{O}(3; \{3^3, 6^2, 9^2\})$	6530347008
18	$\mathcal{O}(3; \{2, 3, 6^3, 9^2\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 9^5\})$	27549901440
18	$\mathcal{O}(3; \{2, 3^2, 9^3, 18\})$	22039921152
18	$\mathcal{O}(3; \{2^2, 6, 9^3, 18\})$	11019960576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{2^4, 3, 9, 18^2\})$	1224440064
18	$\mathcal{O}(3; \{3^4, 9, 18^2\})$	9795520512
18	$\mathcal{O}(3; \{2, 3^2, 6, 9, 18^2\})$	4897760256
18	$\mathcal{O}(3; \{2^2, 6^2, 9, 18^2\})$	2448880128
18	$\mathcal{O}(3; \{9^4, 18^2\})$	181829349504
18	$\mathcal{O}(3; \{6, 9^2, 18^3\})$	55099802880
18	$\mathcal{O}(3; \{2^2, 3, 18^4\})$	11019960576
18	$\mathcal{O}(3; \{6^2, 18^4\})$	22039921152
18	$\mathcal{O}(2; \{2^{10}, 3, 9^2\})$	1259712
18	$\mathcal{O}(2; \{2^6, 3^4, 9^2\})$	10077696
18	$\mathcal{O}(2; \{2^2, 3^7, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^7, 3^2, 6, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^5, 6, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^8, 6^2, 9^2\})$	2519424
18	$\mathcal{O}(2; \{2^4, 3^3, 6^2, 9^2\})$	20155392
18	$\mathcal{O}(2; \{3^6, 6^2, 9^2\})$	161243136
18	$\mathcal{O}(2; \{2^5, 3, 6^3, 9^2\})$	10077696
18	$\mathcal{O}(2; \{2, 3^4, 6^3, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^2, 3^2, 6^4, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^3, 6^5, 9^2\})$	20155392
18	$\mathcal{O}(2; \{3, 6^6, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^6, 9^5\})$	85030560
18	$\mathcal{O}(2; \{2^2, 3^3, 9^5\})$	680244480
18	$\mathcal{O}(2; \{2^3, 3, 6, 9^5\})$	340122240
18	$\mathcal{O}(2; \{3^2, 6^2, 9^5\})$	1360488960
18	$\mathcal{O}(2; \{2, 6^3, 9^5\})$	680244480
18	$\mathcal{O}(2; \{2^5, 3^2, 9^3, 18\})$	68024448
18	$\mathcal{O}(2; \{2, 3^5, 9^3, 18\})$	544195584
18	$\mathcal{O}(2; \{2^6, 6, 9^3, 18\})$	34012224
18	$\mathcal{O}(2; \{2^2, 3^3, 6, 9^3, 18\})$	272097792
18	$\mathcal{O}(2; \{2^3, 3, 6^2, 9^3, 18\})$	136048896
18	$\mathcal{O}(2; \{3^2, 6^3, 9^3, 18\})$	544195584
18	$\mathcal{O}(2; \{2, 6^4, 9^3, 18\})$	272097792
18	$\mathcal{O}(2; \{2, 3, 9^6, 18\})$	6428310336
18	$\mathcal{O}(2; \{2^8, 3, 9, 18^2\})$	3779136
18	$\mathcal{O}(2; \{2^4, 3^4, 9, 18^2\})$	30233088
18	$\mathcal{O}(2; \{3^7, 9, 18^2\})$	241864704
18	$\mathcal{O}(2; \{2^5, 3^2, 6, 9, 18^2\})$	15116544
18	$\mathcal{O}(2; \{2, 3^5, 6, 9, 18^2\})$	120932352
18	$\mathcal{O}(2; \{2^6, 6^2, 9, 18^2\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^3, 6^2, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{2^3, 3, 6^3, 9, 18^2\})$	30233088
18	$\mathcal{O}(2; \{3^2, 6^4, 9, 18^2\})$	120932352

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2, 6^5, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{2^4, 9^4, 18^2\})$	561201696
18	$\mathcal{O}(2; \{3^3, 9^4, 18^2\})$	4489613568
18	$\mathcal{O}(2; \{2, 3, 6, 9^4, 18^2\})$	2244806784
18	$\mathcal{O}(2; \{2^3, 3^2, 9^2, 18^3\})$	340122240
18	$\mathcal{O}(2; \{2^4, 6, 9^2, 18^3\})$	170061120
18	$\mathcal{O}(2; \{3^3, 6, 9^2, 18^3\})$	1360488960
18	$\mathcal{O}(2; \{2, 3, 6^2, 9^2, 18^3\})$	680244480
18	$\mathcal{O}(2; \{2^6, 3, 18^4\})$	340122224
18	$\mathcal{O}(2; \{2^2, 3^4, 18^4\})$	272097792
18	$\mathcal{O}(2; \{2^3, 3^2, 6, 18^4\})$	136048896
18	$\mathcal{O}(2; \{2^4, 6^2, 18^4\})$	68024448
18	$\mathcal{O}(2; \{3^3, 6^2, 18^4\})$	544195584
18	$\mathcal{O}(2; \{2, 3, 6^3, 18^4\})$	272097792
18	$\mathcal{O}(2; \{2^2, 9^3, 18^4\})$	3214155168
18	$\mathcal{O}(2; \{2, 3^2, 9, 18^5\})$	2244806784
18	$\mathcal{O}(2; \{2^2, 6, 9, 18^5\})$	1122403392
18	$\mathcal{O}(2; \{9^2, 18^6\})$	19744096032
18	$\mathcal{O}(2; \{6, 18^7\})$	6428310336
18	$\mathcal{O}(1; \{2^{14}, 3, 9^2\})$	3888
18	$\mathcal{O}(1; \{2^{10}, 3^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^6, 3^7, 9^2\})$	248832
18	$\mathcal{O}(1; \{2^2, 3^{10}, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^{11}, 3^2, 6, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^5, 6, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^8, 6, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^{12}, 6^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{2^8, 3^3, 6^2, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^6, 6^2, 9^2\})$	497664
18	$\mathcal{O}(1; \{3^9, 6^2, 9^2\})$	3981312
18	$\mathcal{O}(1; \{2^9, 3, 6^3, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^4, 6^3, 9^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^7, 6^3, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^6, 3^2, 6^4, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^5, 6^4, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^7, 6^5, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^3, 6^5, 9^2\})$	497664
18	$\mathcal{O}(1; \{2^4, 3, 6^6, 9^2\})$	248832
18	$\mathcal{O}(1; \{3^4, 6^6, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2, 3^2, 6^7, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^2, 6^8, 9^2\})$	497664
18	$\mathcal{O}(1; \{2^{10}, 9^5\})$	262440
18	$\mathcal{O}(1; \{2^6, 3^3, 9^5\})$	2099520

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^6, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^7, 3, 6, 9^5\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^4, 6, 9^5\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 9^5\})$	4199040
18	$\mathcal{O}(1; \{3^5, 6^2, 9^5\})$	33592320
18	$\mathcal{O}(1; \{2^5, 6^3, 9^5\})$	2099520
18	$\mathcal{O}(1; \{2, 3^3, 6^3, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3, 6^4, 9^5\})$	8398080
18	$\mathcal{O}(1; \{6^6, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 9^8\})$	243754272
18	$\mathcal{O}(1; \{2^3, 6, 9^8\})$	121877136
18	$\mathcal{O}(1; \{3, 6^2, 9^8\})$	487508544
18	$\mathcal{O}(1; \{2^9, 3^2, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^5, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{2, 3^8, 9^3, 18\})$	13436928
18	$\mathcal{O}(1; \{2^{10}, 6, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{2^6, 3^3, 6, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^6, 6, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^7, 3, 6^2, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^4, 6^2, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3^2, 6^3, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{3^5, 6^3, 9^3, 18\})$	13436928
18	$\mathcal{O}(1; \{2^5, 6^4, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2, 3^3, 6^4, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^2, 3, 6^5, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{6^7, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^5, 3, 9^6, 18\})$	19840464
18	$\mathcal{O}(1; \{2, 3^4, 9^6, 18\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 9^6, 18\})$	79361856
18	$\mathcal{O}(1; \{2^3, 6^2, 9^6, 18\})$	39680928
18	$\mathcal{O}(1; \{3, 6^3, 9^6, 18\})$	158723712
18	$\mathcal{O}(1; \{2, 9^9, 18\})$	2181033864
18	$\mathcal{O}(1; \{2^{12}, 3, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{2^8, 3^4, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^7, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{3^{10}, 9, 18^2\})$	5971968
18	$\mathcal{O}(1; \{2^9, 3^2, 6, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^5, 6, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{2, 3^8, 6, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2^{10}, 6^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{2^6, 3^3, 6^2, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^6, 6^2, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^7, 3, 6^3, 9, 18^2\})$	93312

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^4, 6^3, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{2^4, 3^2, 6^4, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{3^5, 6^4, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2^5, 6^5, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2, 3^3, 6^5, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^2, 3, 6^6, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{6^8, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^8, 9^4, 18^2\})$	1732104
18	$\mathcal{O}(1; \{2^4, 3^3, 9^4, 18^2\})$	13856832
18	$\mathcal{O}(1; \{3^6, 9^4, 18^2\})$	110854656
18	$\mathcal{O}(1; \{2^5, 3, 6, 9^4, 18^2\})$	6928416
18	$\mathcal{O}(1; \{2, 3^4, 6, 9^4, 18^2\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 9^4, 18^2\})$	27713664
18	$\mathcal{O}(1; \{2^3, 6^3, 9^4, 18^2\})$	13856832
18	$\mathcal{O}(1; \{3, 6^4, 9^4, 18^2\})$	55427328
18	$\mathcal{O}(1; \{3^2, 9^7, 18^2\})$	1445519520
18	$\mathcal{O}(1; \{2, 6, 9^7, 18^2\})$	722759760
18	$\mathcal{O}(1; \{2^7, 3^2, 9^2, 18^3\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^5, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2^8, 6, 9^2, 18^3\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^3, 6, 9^2, 18^3\})$	4199040
18	$\mathcal{O}(1; \{3^6, 6, 9^2, 18^3\})$	33592320
18	$\mathcal{O}(1; \{2^5, 3, 6^2, 9^2, 18^3\})$	2099520
18	$\mathcal{O}(1; \{2, 3^4, 6^2, 9^2, 18^3\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2^3, 6^4, 9^2, 18^3\})$	4199040
18	$\mathcal{O}(1; \{3, 6^5, 9^2, 18^3\})$	16796160
18	$\mathcal{O}(1; \{2^3, 3, 9^5, 18^3\})$	121877136
18	$\mathcal{O}(1; \{3^2, 6, 9^5, 18^3\})$	487508544
18	$\mathcal{O}(1; \{2, 6^2, 9^5, 18^3\})$	243754272
18	$\mathcal{O}(1; \{2^{10}, 3, 18^4\})$	104976
18	$\mathcal{O}(1; \{2^6, 3^4, 18^4\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^7, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2^7, 3^2, 6, 18^4\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^5, 6, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^8, 6^2, 18^4\})$	209952
18	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 18^4\})$	1679616
18	$\mathcal{O}(1; \{3^6, 6^2, 18^4\})$	13436928
18	$\mathcal{O}(1; \{2^5, 3, 6^3, 18^4\})$	839808
18	$\mathcal{O}(1; \{2, 3^4, 6^3, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^3, 6^5, 18^4\})$	1679616
18	$\mathcal{O}(1; \{3, 6^6, 18^4\})$	6718464

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^6, 9^3, 18^4\})$	9920232
18	$\mathcal{O}(1; \{2^2, 3^3, 9^3, 18^4\})$	79361856
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^3, 18^4\})$	39680928
18	$\mathcal{O}(1; \{3^2, 6^2, 9^3, 18^4\})$	158723712
18	$\mathcal{O}(1; \{2, 6^3, 9^3, 18^4\})$	79361856
18	$\mathcal{O}(1; \{2^5, 3^2, 9, 18^5\})$	6928416
18	$\mathcal{O}(1; \{2, 3^5, 9, 18^5\})$	55427328
18	$\mathcal{O}(1; \{2^6, 6, 9, 18^5\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3^3, 6, 9, 18^5\})$	27713664
18	$\mathcal{O}(1; \{2^3, 3, 6^2, 9, 18^5\})$	13856832
18	$\mathcal{O}(1; \{3^2, 6^3, 9, 18^5\})$	55427328
18	$\mathcal{O}(1; \{2, 6^4, 9, 18^5\})$	27713664
18	$\mathcal{O}(1; \{2, 3, 9^4, 18^5\})$	722759760
18	$\mathcal{O}(1; \{2^4, 9^2, 18^6\})$	60938568
18	$\mathcal{O}(1; \{3^3, 9^2, 18^6\})$	487508544
18	$\mathcal{O}(1; \{2, 3, 6, 9^2, 18^6\})$	243754272
18	$\mathcal{O}(1; \{2^3, 3^2, 18^7\})$	39680928
18	$\mathcal{O}(1; \{2^4, 6, 18^7\})$	19840464
18	$\mathcal{O}(1; \{3^3, 6, 18^7\})$	158723712
18	$\mathcal{O}(1; \{2, 3, 6^2, 18^7\})$	79361856
18	$\mathcal{O}(1; \{2^2, 9, 18^8\})$	361379880
18	$\mathcal{O}(1; \{18^{10}\})$	2181033864
18	$\mathcal{O}(0; \{2^{18}, 3, 9^2\})$	12
18	$\mathcal{O}(0; \{2^{14}, 3^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^{10}, 3^7, 9^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3^{10}, 9^2\})$	6144
18	$\mathcal{O}(0; \{2^2, 3^{13}, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^{15}, 3^2, 6, 9^2\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^5, 6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3^8, 6, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^{11}, 6, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^{16}, 6^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^{12}, 3^3, 6^2, 9^2\})$	192
18	$\mathcal{O}(0; \{2^8, 3^6, 6^2, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^9, 6^2, 9^2\})$	12288
18	$\mathcal{O}(0; \{3^{12}, 6^2, 9^2\})$	98304
18	$\mathcal{O}(0; \{2^{13}, 3, 6^3, 9^2\})$	96
18	$\mathcal{O}(0; \{2^9, 3^4, 6^3, 9^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^7, 6^3, 9^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^{10}, 6^3, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^4, 9^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^5, 6^4, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^8, 6^4, 9^2\})$	24576

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{11}, 6^5, 9^2\})$	192
18	$\mathcal{O}(0; \{2^7, 3^3, 6^5, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^6, 6^5, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^8, 3, 6^6, 9^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^4, 6^6, 9^2\})$	6144
18	$\mathcal{O}(0; \{3^7, 6^6, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^5, 3^2, 6^7, 9^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^5, 6^7, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^6, 6^8, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^3, 6^8, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^3, 3, 6^9, 9^2\})$	6144
18	$\mathcal{O}(0; \{3^2, 6^{10}, 9^2\})$	24576
18	$\mathcal{O}(0; \{2, 6^{11}, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^{14}, 9^5\})$	810
18	$\mathcal{O}(0; \{2^{10}, 3^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^6, 9^5\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^9, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 3, 6, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^4, 6, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^7, 6, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 9^5\})$	103680
18	$\mathcal{O}(0; \{3^8, 6^2, 9^5\})$	829440
18	$\mathcal{O}(0; \{2^9, 6^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 9^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^6, 6^3, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^6, 3, 6^4, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 9^5\})$	103680
18	$\mathcal{O}(0; \{2^4, 6^6, 9^5\})$	51840
18	$\mathcal{O}(0; \{3^3, 6^6, 9^5\})$	414720
18	$\mathcal{O}(0; \{2, 3, 6^7, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^6, 3^2, 9^8\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^5, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2^7, 6, 9^8\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^8\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^8\})$	1504656
18	$\mathcal{O}(0; \{3^4, 6^2, 9^8\})$	12037248
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2^2, 6^4, 9^8\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 9^{11}\})$	80542836
18	$\mathcal{O}(0; \{6^2, 9^{11}\})$	161085672
18	$\mathcal{O}(0; \{2^{13}, 3^2, 9^3, 18\})$	648

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 3^5, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^8, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{2, 3^{11}, 9^3, 18\})$	331776
18	$\mathcal{O}(0; \{2^{14}, 6, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^{10}, 3^3, 6, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^6, 6, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^9, 6, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 3, 6^2, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^4, 6^2, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^7, 6^2, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^8, 3^2, 6^3, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^5, 6^3, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{3^8, 6^3, 9^3, 18\})$	331776
18	$\mathcal{O}(0; \{2^9, 6^4, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^3, 6^4, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2, 3^6, 6^4, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^6, 3, 6^5, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^4, 6^5, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^3, 3^2, 6^6, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{2^4, 6^7, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{3^3, 6^7, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2, 3, 6^8, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^9, 3, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^4, 9^6, 18\})$	489888
18	$\mathcal{O}(0; \{2, 3^7, 9^6, 18\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 9^6, 18\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^7, 6^2, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 9^6, 18\})$	489888
18	$\mathcal{O}(0; \{3^4, 6^3, 9^6, 18\})$	3919104
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^2, 6^5, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{2^5, 9^9, 18\})$	6731586
18	$\mathcal{O}(0; \{2, 3^3, 9^9, 18\})$	53852688
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^9, 18\})$	26926344
18	$\mathcal{O}(0; \{6^3, 9^9, 18\})$	53852688
18	$\mathcal{O}(0; \{2^{16}, 3, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^{12}, 3^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^8, 3^7, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^{10}, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{3^{13}, 9, 18^2\})$	147456
18	$\mathcal{O}(0; \{2^{13}, 3^2, 6, 9, 18^2\})$	144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 3^5, 6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^8, 6, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{2, 3^{11}, 6, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^{14}, 6^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^{10}, 3^3, 6^2, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^6, 3^6, 6^2, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^9, 6^2, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 3, 6^3, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^7, 3^4, 6^3, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^7, 6^3, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^8, 3^2, 6^4, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^5, 6^4, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{3^8, 6^4, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^9, 6^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^5, 3^3, 6^5, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2, 3^6, 6^5, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^6, 3, 6^6, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^4, 6^6, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^3, 3^2, 6^7, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{2^4, 6^8, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{3^3, 6^8, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2, 3, 6^9, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^{12}, 9^4, 18^2\})$	5346
18	$\mathcal{O}(0; \{2^8, 3^3, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^6, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{3^9, 9^4, 18^2\})$	2737152
18	$\mathcal{O}(0; \{2^9, 3, 6, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{2, 3^7, 6, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^7, 6^3, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{3^4, 6^4, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^2, 6^6, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 9^7, 18^2\})$	4461480
18	$\mathcal{O}(0; \{3^5, 9^7, 18^2\})$	35691840
18	$\mathcal{O}(0; \{2^5, 6, 9^7, 18^2\})$	2230740
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^7, 18^2\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^7, 18^2\})$	8922960
18	$\mathcal{O}(0; \{6^4, 9^7, 18^2\})$	17845920

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3, 9^{10}, 18^2\})$	483965604
18	$\mathcal{O}(0; \{2^{11}, 3^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^5, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^8, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^{12}, 6, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^3, 6, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^6, 6, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{3^9, 6, 9^2, 18^3\})$	829440
18	$\mathcal{O}(0; \{2^9, 3, 6^2, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{2, 3^7, 6^2, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^7, 6^4, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{2^4, 3, 6^5, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{3^4, 6^5, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2, 3^2, 6^6, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^2, 6^7, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{2^7, 3, 9^5, 18^3\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^4, 9^5, 18^3\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9^5, 18^3\})$	1504656
18	$\mathcal{O}(0; \{3^5, 6, 9^5, 18^3\})$	12037248
18	$\mathcal{O}(0; \{2^5, 6^2, 9^5, 18^3\})$	752328
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9^5, 18^3\})$	3009312
18	$\mathcal{O}(0; \{6^5, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2^3, 9^8, 18^3\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 9^8, 18^3\})$	161085672
18	$\mathcal{O}(0; \{2^{14}, 3, 18^4\})$	324
18	$\mathcal{O}(0; \{2^{10}, 3^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^7, 18^4\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^{10}, 18^4\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^5, 6, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^8, 6, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^{12}, 6^2, 18^4\})$	648
18	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 18^4\})$	41472
18	$\mathcal{O}(0; \{3^9, 6^2, 18^4\})$	331776
18	$\mathcal{O}(0; \{2^9, 3, 6^3, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 18^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^7, 6^3, 18^4\})$	165888

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^7, 6^5, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 18^4\})$	41472
18	$\mathcal{O}(0; \{2^4, 3, 6^6, 18^4\})$	20736
18	$\mathcal{O}(0; \{3^4, 6^6, 18^4\})$	165888
18	$\mathcal{O}(0; \{2, 3^2, 6^7, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^2, 6^8, 18^4\})$	41472
18	$\mathcal{O}(0; \{2^{10}, 9^3, 18^4\})$	30618
18	$\mathcal{O}(0; \{2^6, 3^3, 9^3, 18^4\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^6, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^3, 18^4\})$	489888
18	$\mathcal{O}(0; \{3^5, 6^2, 9^3, 18^4\})$	3919104
18	$\mathcal{O}(0; \{2^5, 6^3, 9^3, 18^4\})$	244944
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{6^6, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 9^6, 18^4\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 9^6, 18^4\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 9^6, 18^4\})$	53852688
18	$\mathcal{O}(0; \{2^9, 3^2, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^5, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{2, 3^8, 9, 18^5\})$	1368576
18	$\mathcal{O}(0; \{2^{10}, 6, 9, 18^5\})$	10692
18	$\mathcal{O}(0; \{2^6, 3^3, 6, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^6, 6, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^7, 3, 6^2, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{3^5, 6^3, 9, 18^5\})$	1368576
18	$\mathcal{O}(0; \{2^5, 6^4, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2, 3^3, 6^4, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^2, 3, 6^5, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{6^7, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^5, 3, 9^4, 18^5\})$	2230740
18	$\mathcal{O}(0; \{2, 3^4, 9^4, 18^5\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^4, 18^5\})$	8922960
18	$\mathcal{O}(0; \{2^3, 6^2, 9^4, 18^5\})$	4461480
18	$\mathcal{O}(0; \{3, 6^3, 9^4, 18^5\})$	17845920
18	$\mathcal{O}(0; \{2, 9^7, 18^5\})$	241982802
18	$\mathcal{O}(0; \{2^8, 9^2, 18^6\})$	188082

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^4, 3^3, 9^2, 18^6\})$	1504656
18	$\mathcal{O}(0; \{3^6, 9^2, 18^6\})$	12037248
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^2, 18^6\})$	752328
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^2, 18^6\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^2, 18^6\})$	3009312
18	$\mathcal{O}(0; \{2^3, 6^3, 9^2, 18^6\})$	1504656
18	$\mathcal{O}(0; \{3, 6^4, 9^2, 18^6\})$	6018624
18	$\mathcal{O}(0; \{3^2, 9^5, 18^6\})$	161085672
18	$\mathcal{O}(0; \{2, 6, 9^5, 18^6\})$	80542836
18	$\mathcal{O}(0; \{2^7, 3^2, 18^7\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^5, 18^7\})$	979776
18	$\mathcal{O}(0; \{2^8, 6, 18^7\})$	61236
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 18^7\})$	489888
18	$\mathcal{O}(0; \{3^6, 6, 18^7\})$	3919104
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 18^7\})$	244944
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 18^7\})$	979776
18	$\mathcal{O}(0; \{2^3, 6^4, 18^7\})$	489888
18	$\mathcal{O}(0; \{3, 6^5, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 9^3, 18^7\})$	13463172
18	$\mathcal{O}(0; \{3^2, 6, 9^3, 18^7\})$	53852688
18	$\mathcal{O}(0; \{2, 6^2, 9^3, 18^7\})$	26926344
18	$\mathcal{O}(0; \{2^6, 9, 18^8\})$	1115370
18	$\mathcal{O}(0; \{2^2, 3^3, 9, 18^8\})$	8922960
18	$\mathcal{O}(0; \{2^3, 3, 6, 9, 18^8\})$	4461480
18	$\mathcal{O}(0; \{3^2, 6^2, 9, 18^8\})$	17845920
18	$\mathcal{O}(0; \{2, 6^3, 9, 18^8\})$	8922960
18	$\mathcal{O}(0; \{2, 3, 9^2, 18^9\})$	80542836
18	$\mathcal{O}(0; \{2^4, 18^{10}\})$	6731586
18	$\mathcal{O}(0; \{3^3, 18^{10}\})$	53852688
18	$\mathcal{O}(0; \{2, 3, 6, 18^{10}\})$	26926344
20	$\mathcal{O}(4; \{2^2, 4^2\})$	51199868928
20	$\mathcal{O}(4; \{4, 5, 20\})$	20480000000
20	$\mathcal{O}(3; \{2^6, 4^2\})$	127991808
20	$\mathcal{O}(3; \{2^3, 4^4\})$	511967232
20	$\mathcal{O}(3; \{4^6\})$	2047868928
20	$\mathcal{O}(3; \{2, 4^2, 5^2, 10\})$	1536000000
20	$\mathcal{O}(3; \{2^4, 4, 5, 20\})$	512000000
20	$\mathcal{O}(3; \{2, 4^3, 5, 20\})$	2048000000
20	$\mathcal{O}(3; \{2^2, 4, 10^2, 20\})$	1536000000
20	$\mathcal{O}(3; \{2^2, 5^2, 20^2\})$	6656000000
20	$\mathcal{O}(3; \{5, 10^2, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{4, 10, 20^3\})$	26624000000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^{10}, 4^2\})$	319488
20	$\mathcal{O}(2; \{2^7, 4^4\})$	1277952
20	$\mathcal{O}(2; \{2^4, 4^6\})$	5111808
20	$\mathcal{O}(2; \{2, 4^8\})$	20447232
20	$\mathcal{O}(2; \{2^2, 4^2, 5^5\})$	65280000
20	$\mathcal{O}(2; \{2^5, 4^2, 5^2, 10\})$	3840000
20	$\mathcal{O}(2; \{2^2, 4^4, 5^2, 10\})$	15360000
20	$\mathcal{O}(2; \{4^2, 5^4, 10^2\})$	262400000
20	$\mathcal{O}(2; \{2^3, 4^2, 5, 10^3\})$	16640000
20	$\mathcal{O}(2; \{4^4, 5, 10^3\})$	66560000
20	$\mathcal{O}(2; \{2, 4^2, 10^5\})$	65280000
20	$\mathcal{O}(2; \{2^8, 4, 5, 20\})$	1280000
20	$\mathcal{O}(2; \{2^5, 4^3, 5, 20\})$	5120000
20	$\mathcal{O}(2; \{2^2, 4^5, 5, 20\})$	20480000
20	$\mathcal{O}(2; \{4, 5^6, 20\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 4, 5^3, 10, 20\})$	65280000
20	$\mathcal{O}(2; \{4^3, 5^3, 10, 20\})$	261120000
20	$\mathcal{O}(2; \{2^6, 4, 10^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2^3, 4^3, 10^2, 20\})$	15360000
20	$\mathcal{O}(2; \{4^5, 10^2, 20\})$	61440000
20	$\mathcal{O}(2; \{2, 4, 5^2, 10^3, 20\})$	262400000
20	$\mathcal{O}(2; \{2^6, 5^2, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^3, 4^2, 5^2, 20^2\})$	66560000
20	$\mathcal{O}(2; \{4^4, 5^2, 20^2\})$	266240000
20	$\mathcal{O}(2; \{2, 5^4, 10, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^4, 5, 10^2, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2, 4^2, 5, 10^2, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^2, 10^4, 20^2\})$	262400000
20	$\mathcal{O}(2; \{2, 4, 5^3, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^4, 4, 10, 20^3\})$	66560000
20	$\mathcal{O}(2; \{2, 4^3, 10, 20^3\})$	266240000
20	$\mathcal{O}(2; \{2^2, 5, 10, 20^4\})$	1049600000
20	$\mathcal{O}(2; \{10^3, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{2^2, 4, 20^5\})$	1044480000
20	$\mathcal{O}(2; \{5, 20^6\})$	16773120000
20	$\mathcal{O}(1; \{2^{14}, 4^2\})$	768
20	$\mathcal{O}(1; \{2^{11}, 4^4\})$	3072
20	$\mathcal{O}(1; \{2^8, 4^6\})$	12288
20	$\mathcal{O}(1; \{2^5, 4^8\})$	49152
20	$\mathcal{O}(1; \{2^2, 4^{10}\})$	196608
20	$\mathcal{O}(1; \{2^6, 4^2, 5^5\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^4, 5^5\})$	652800
20	$\mathcal{O}(1; \{4^6, 5^5\})$	2611200

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^9, 4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{2^6, 4^4, 5^2, 10\})$	38400
20	$\mathcal{O}(1; \{2^3, 4^6, 5^2, 10\})$	153600
20	$\mathcal{O}(1; \{4^8, 5^2, 10\})$	614400
20	$\mathcal{O}(1; \{2, 4^2, 5^7, 10\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4^2, 5^4, 10^2\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5^4, 10^2\})$	2624000
20	$\mathcal{O}(1; \{2^7, 4^2, 5, 10^3\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^4, 5, 10^3\})$	166400
20	$\mathcal{O}(1; \{2, 4^6, 5, 10^3\})$	665600
20	$\mathcal{O}(1; \{2^2, 4^2, 5^3, 10^4\})$	2620800
20	$\mathcal{O}(1; \{2^5, 4^2, 10^5\})$	163200
20	$\mathcal{O}(1; \{2^2, 4^4, 10^5\})$	652800
20	$\mathcal{O}(1; \{4^2, 5^2, 10^6\})$	10486400
20	$\mathcal{O}(1; \{2^{12}, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{2^9, 4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{2^6, 4^5, 5, 20\})$	51200
20	$\mathcal{O}(1; \{2^3, 4^7, 5, 20\})$	204800
20	$\mathcal{O}(1; \{4^9, 5, 20\})$	819200
20	$\mathcal{O}(1; \{2^4, 4, 5^6, 20\})$	2620800
20	$\mathcal{O}(1; \{2, 4^3, 5^6, 20\})$	10483200
20	$\mathcal{O}(1; \{2^7, 4, 5^3, 10, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^3, 5^3, 10, 20\})$	652800
20	$\mathcal{O}(1; \{2, 4^5, 5^3, 10, 20\})$	2611200
20	$\mathcal{O}(1; \{2^{10}, 4, 10^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^7, 4^3, 10^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^4, 4^5, 10^2, 20\})$	153600
20	$\mathcal{O}(1; \{2, 4^7, 10^2, 20\})$	614400
20	$\mathcal{O}(1; \{2^2, 4, 5^5, 10^2, 20\})$	10486400
20	$\mathcal{O}(1; \{2^5, 4, 5^2, 10^3, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^2, 10^3, 20\})$	2624000
20	$\mathcal{O}(1; \{4, 5^4, 10^4, 20\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4, 5, 10^5, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 5, 10^5, 20\})$	10483200
20	$\mathcal{O}(1; \{2, 4, 10^7, 20\})$	10486400
20	$\mathcal{O}(1; \{2^{10}, 5^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^7, 4^2, 5^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^4, 4^4, 5^2, 20^2\})$	665600
20	$\mathcal{O}(1; \{2, 4^6, 5^2, 20^2\})$	2662400
20	$\mathcal{O}(1; \{2^2, 5^7, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 5^4, 10, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^4, 10, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^8, 5, 10^2, 20^2\})$	163200

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^5, 4^2, 5, 10^2, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^2, 4^4, 5, 10^2, 20^2\})$	2611200
20	$\mathcal{O}(1; \{5^6, 10^2, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^3, 5^3, 10^3, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5^3, 10^3, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^6, 10^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^2, 10^4, 20^2\})$	2624000
20	$\mathcal{O}(1; \{4^4, 10^4, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2, 5^2, 10^5, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 4, 5^3, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^3, 20^3\})$	10496000
20	$\mathcal{O}(1; \{2^8, 4, 10, 20^3\})$	166400
20	$\mathcal{O}(1; \{2^5, 4^3, 10, 20^3\})$	665600
20	$\mathcal{O}(1; \{2^2, 4^5, 10, 20^3\})$	2662400
20	$\mathcal{O}(1; \{4, 5^5, 10, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^3, 4, 5^2, 10^2, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4^3, 5^2, 10^2, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2, 4, 5, 10^4, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^3, 5^4, 20^4\})$	41945600
20	$\mathcal{O}(1; \{4^2, 5^4, 20^4\})$	167782400
20	$\mathcal{O}(1; \{2^6, 5, 10, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 10, 20^4\})$	10496000
20	$\mathcal{O}(1; \{4^4, 5, 10, 20^4\})$	41984000
20	$\mathcal{O}(1; \{2, 5^3, 10^2, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^4, 10^3, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2, 4^2, 10^3, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^6, 4, 20^5\})$	2611200
20	$\mathcal{O}(1; \{2^3, 4^3, 20^5\})$	10444800
20	$\mathcal{O}(1; \{4^5, 20^5\})$	41779200
20	$\mathcal{O}(1; \{2, 4, 5^2, 10, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^4, 5, 20^6\})$	41932800
20	$\mathcal{O}(1; \{2, 4^2, 5, 20^6\})$	167731200
20	$\mathcal{O}(1; \{2^2, 10^2, 20^6\})$	167782400
20	$\mathcal{O}(1; \{10, 20^8\})$	2684313600
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{2^7, 4^4, 5^5\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^6, 5^5\})$	6528
20	$\mathcal{O}(0; \{2, 4^8, 5^5\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^2, 5^{10}\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^{10}, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{2^7, 4^6, 5^2, 10\})$	384
20	$\mathcal{O}(0; \{2^4, 4^8, 5^2, 10\})$	1536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^{10}, 5^2, 10\})$	6144
20	$\mathcal{O}(0; \{2^5, 4^2, 5^7, 10\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^7, 10\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 5^4, 10^2\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5^4, 10^2\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 5^4, 10^2\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^9, 10^2\})$	1677720
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{2^8, 4^4, 5, 10^3\})$	416
20	$\mathcal{O}(0; \{2^5, 4^6, 5, 10^3\})$	1664
20	$\mathcal{O}(0; \{2^2, 4^8, 5, 10^3\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^2, 5^6, 10^3\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^6, 10^3\})$	419424
20	$\mathcal{O}(0; \{2^6, 4^2, 5^3, 10^4\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 5^3, 10^4\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^3, 10^4\})$	104832
20	$\mathcal{O}(0; \{2^9, 4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{2^6, 4^4, 10^5\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^6, 10^5\})$	6528
20	$\mathcal{O}(0; \{4^8, 10^5\})$	26112
20	$\mathcal{O}(0; \{2, 4^2, 5^5, 10^5\})$	419432
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10^6\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10^6\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^8\})$	104856
20	$\mathcal{O}(0; \{4^2, 10^{10}\})$	419432
20	$\mathcal{O}(0; \{2^{16}, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^{13}, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^{10}, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{2^7, 4^7, 5, 20\})$	512
20	$\mathcal{O}(0; \{2^4, 4^9, 5, 20\})$	2048
20	$\mathcal{O}(0; \{2, 4^{11}, 5, 20\})$	8192
20	$\mathcal{O}(0; \{2^8, 4, 5^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^3, 5^6, 20\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^5, 5^6, 20\})$	104832
20	$\mathcal{O}(0; \{4, 5^{11}, 20\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{2^8, 4^3, 5^3, 10, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^5, 5^3, 10, 20\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^7, 5^3, 10, 20\})$	26112
20	$\mathcal{O}(0; \{2^3, 4, 5^8, 10, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^8, 10, 20\})$	1677728
20	$\mathcal{O}(0; \{2^{14}, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^{11}, 4^3, 10^2, 20\})$	96

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^8, 4^5, 10^2, 20\})$	384
20	$\mathcal{O}(0; \{2^5, 4^7, 10^2, 20\})$	1536
20	$\mathcal{O}(0; \{2^2, 4^9, 10^2, 20\})$	6144
20	$\mathcal{O}(0; \{2^6, 4, 5^5, 10^2, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^5, 10^2, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^5, 10^2, 20\})$	419456
20	$\mathcal{O}(0; \{2^9, 4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 5^2, 10^3, 20\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^5, 5^2, 10^3, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 5^2, 10^3, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^7, 10^3, 20\})$	1677720
20	$\mathcal{O}(0; \{2^4, 4, 5^4, 10^4, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^4, 10^4, 20\})$	419424
20	$\mathcal{O}(0; \{2^7, 4, 5, 10^5, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 5, 10^5, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 5, 10^5, 20\})$	104832
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 10^6, 20\})$	419432
20	$\mathcal{O}(0; \{2^5, 4, 10^7, 20\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^3, 10^7, 20\})$	104864
20	$\mathcal{O}(0; \{4, 5^2, 10^8, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{14}, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2^8, 4^4, 5^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^5, 4^6, 5^2, 20^2\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^8, 5^2, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^6, 5^7, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 4^2, 5^7, 20^2\})$	419424
20	$\mathcal{O}(0; \{4^4, 5^7, 20^2\})$	1677696
20	$\mathcal{O}(0; \{2^9, 5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 5^4, 10, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 5^4, 10, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 5^4, 10, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^9, 10, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{12}, 5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{2^9, 4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^4, 5, 10^2, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^3, 4^6, 5, 10^2, 20^2\})$	26112
20	$\mathcal{O}(0; \{4^8, 5, 10^2, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^4, 5^6, 10^2, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^6, 10^2, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^7, 5^3, 10^3, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 5^3, 10^3, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5^3, 10^3, 20^2\})$	419456

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^{10}, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^2, 10^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^4, 10^4, 20^2\})$	26240
20	$\mathcal{O}(0; \{2, 4^6, 10^4, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^2, 5^5, 10^4, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^5, 5^2, 10^5, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10^5, 20^2\})$	419424
20	$\mathcal{O}(0; \{5^4, 10^6, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^3, 5, 10^7, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 5, 10^7, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2, 10^9, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^9, 4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^3, 5^3, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^5, 5^3, 20^3\})$	104960
20	$\mathcal{O}(0; \{4^7, 5^3, 20^3\})$	419840
20	$\mathcal{O}(0; \{2, 4, 5^8, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^{12}, 4, 10, 20^3\})$	416
20	$\mathcal{O}(0; \{2^9, 4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{2^6, 4^5, 10, 20^3\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^7, 10, 20^3\})$	26624
20	$\mathcal{O}(0; \{4^9, 10, 20^3\})$	106496
20	$\mathcal{O}(0; \{2^4, 4, 5^5, 10, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5^5, 10, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^7, 4, 5^2, 10^2, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^3, 5^2, 10^2, 20^3\})$	104832
20	$\mathcal{O}(0; \{2, 4^5, 5^2, 10^2, 20^3\})$	419328
20	$\mathcal{O}(0; \{2^2, 4, 5^4, 10^3, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^5, 4, 5, 10^4, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 10^4, 20^3\})$	419456
20	$\mathcal{O}(0; \{4, 5^3, 10^5, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^3, 4, 10^6, 20^3\})$	419424
20	$\mathcal{O}(0; \{4^3, 10^6, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^7, 5^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 4^2, 5^4, 20^4\})$	419456
20	$\mathcal{O}(0; \{2, 4^4, 5^4, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^{10}, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 10, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 10, 20^4\})$	104960
20	$\mathcal{O}(0; \{2, 4^6, 5, 10, 20^4\})$	419840
20	$\mathcal{O}(0; \{2^2, 5^6, 10, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 5^3, 10^2, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10^2, 20^4\})$	1677696
20	$\mathcal{O}(0; \{2^8, 10^3, 20^4\})$	26208

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^5, 4^2, 10^3, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^4, 10^3, 20^4\})$	419328
20	$\mathcal{O}(0; \{5^5, 10^3, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^3, 5^2, 10^4, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 5^2, 10^4, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2, 5, 10^6, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^{10}, 4, 20^5\})$	6528
20	$\mathcal{O}(0; \{2^7, 4^3, 20^5\})$	26112
20	$\mathcal{O}(0; \{2^4, 4^5, 20^5\})$	104448
20	$\mathcal{O}(0; \{2, 4^7, 20^5\})$	417792
20	$\mathcal{O}(0; \{2^2, 4, 5^5, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 10, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 10, 20^5\})$	1677824
20	$\mathcal{O}(0; \{4, 5^4, 10^2, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^3, 20^5\})$	1677696
20	$\mathcal{O}(0; \{4^3, 5, 10^3, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2, 4, 10^5, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^8, 5, 20^6\})$	104832
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 20^6\})$	419328
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 20^6\})$	1677312
20	$\mathcal{O}(0; \{5^6, 20^6\})$	107374208
20	$\mathcal{O}(0; \{2^3, 5^3, 10, 20^6\})$	6710912
20	$\mathcal{O}(0; \{4^2, 5^3, 10, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2^6, 10^2, 20^6\})$	419456
20	$\mathcal{O}(0; \{2^3, 4^2, 10^2, 20^6\})$	1677824
20	$\mathcal{O}(0; \{4^4, 10^2, 20^6\})$	6711296
20	$\mathcal{O}(0; \{2, 5^2, 10^3, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 20^7\})$	6710784
20	$\mathcal{O}(0; \{4^3, 5^2, 20^7\})$	26843136
20	$\mathcal{O}(0; \{2, 4, 5, 10^2, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2, 5^3, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2^4, 10, 20^8\})$	6710784
20	$\mathcal{O}(0; \{2, 4^2, 10, 20^8\})$	26843136
20	$\mathcal{O}(0; \{2^2, 20^{10}\})$	107374592
21	$\mathcal{O}(3; \{3^2, 7, 21^2\})$	15437901780
21	$\mathcal{O}(2; \{3^4, 7^4\})$	217040796
21	$\mathcal{O}(2; \{3^5, 7, 21^2\})$	245046060
21	$\mathcal{O}(2; \{3, 7^3, 21^3\})$	7778462076
21	$\mathcal{O}(2; \{3^2, 21^5\})$	9066704220
21	$\mathcal{O}(1; \{3^7, 7^4\})$	3445092
21	$\mathcal{O}(1; \{3^3, 7^6, 21\})$	105813540
21	$\mathcal{O}(1; \{3^8, 7, 21^2\})$	4524660
21	$\mathcal{O}(1; \{3^4, 7^3, 21^3\})$	123467652

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(1; \{7^5, 21^4\})$	3809366820
21	$\mathcal{O}(1; \{3^5, 21^5\})$	167412420
21	$\mathcal{O}(1; \{3, 7^2, 21^6\})$	4444279812
21	$\mathcal{O}(0; \{3^{10}, 7^4\})$	63612
21	$\mathcal{O}(0; \{3^6, 7^6, 21\})$	1679580
21	$\mathcal{O}(0; \{3^{11}, 7, 21^2\})$	81900
21	$\mathcal{O}(0; \{3^2, 7^8, 21^2\})$	51828156
21	$\mathcal{O}(0; \{3^7, 7^3, 21^3\})$	2279772
21	$\mathcal{O}(0; \{3^3, 7^5, 21^4\})$	60466140
21	$\mathcal{O}(0; \{3^8, 21^5\})$	3030300
21	$\mathcal{O}(0; \{3^4, 7^2, 21^6\})$	82061532
21	$\mathcal{O}(0; \{7^4, 21^7\})$	2176782300
21	$\mathcal{O}(0; \{3, 7, 21^9\})$	2954204892
22	$\mathcal{O}(3; \{2^2, 11^3\})$	10204191360
22	$\mathcal{O}(3; \{11^2, 22^2\})$	103175712640
22	$\mathcal{O}(2; \{2^6, 11^3\})$	21083040
22	$\mathcal{O}(2; \{2^4, 11^2, 22^2\})$	213172960
22	$\mathcal{O}(2; \{2^2, 11, 22^4\})$	2129387040
22	$\mathcal{O}(2; \{22^6\})$	21296212960
22	$\mathcal{O}(1; \{2^{10}, 11^3\})$	43560
22	$\mathcal{O}(1; \{2^8, 11^2, 22^2\})$	440440
22	$\mathcal{O}(1; \{2^6, 11, 22^4\})$	4399560
22	$\mathcal{O}(1; \{2^4, 22^6\})$	44000440
22	$\mathcal{O}(0; \{2^{14}, 11^3\})$	90
22	$\mathcal{O}(0; \{2^3, 11^8, 22\})$	90909090
22	$\mathcal{O}(0; \{2^{12}, 11^2, 22^2\})$	910
22	$\mathcal{O}(0; \{2, 11^7, 22^3\})$	909090910
22	$\mathcal{O}(0; \{2^{10}, 11, 22^4\})$	9090
22	$\mathcal{O}(0; \{2^8, 22^6\})$	90910
24	$\mathcal{O}(3; \{3^2, 8^2\})$	1528823808
24	$\mathcal{O}(3; \{2, 3, 24^2\})$	1528823808
24	$\mathcal{O}(2; \{2^4, 3^2, 8^2\})$	2654208
24	$\mathcal{O}(2; \{3^5, 8^2\})$	13271040
24	$\mathcal{O}(2; \{2, 3^2, 4^2, 8^2\})$	10616832
24	$\mathcal{O}(2; \{2, 3^3, 6, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2^2, 3, 6^2, 8^2\})$	2654208
24	$\mathcal{O}(2; \{6^4, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2^2, 3, 4, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{4, 6^2, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{3, 8^4, 12\})$	84934656
24	$\mathcal{O}(2; \{2^3, 8^2, 12^2\})$	10616832
24	$\mathcal{O}(2; \{4^2, 8^2, 12^2\})$	42467328
24	$\mathcal{O}(2; \{3, 6, 8^2, 12^2\})$	31850496

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2, 3^3, 4, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{2^2, 3, 4, 6, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{4, 6^3, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{3, 6, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2^2, 3^2, 8, 12, 24\})$	15925248
24	$\mathcal{O}(2; \{2^3, 6, 8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{4^2, 6, 8, 12, 24\})$	21233664
24	$\mathcal{O}(2; \{3, 6^2, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{3, 4, 8, 12^2, 24\})$	63700992
24	$\mathcal{O}(2; \{2, 8, 12^3, 24\})$	63700992
24	$\mathcal{O}(2; \{2^5, 3, 24^2\})$	2654208
24	$\mathcal{O}(2; \{2, 3^4, 24^2\})$	29196288
24	$\mathcal{O}(2; \{2^2, 3, 4^2, 24^2\})$	10616832
24	$\mathcal{O}(2; \{2^2, 3^2, 6, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2^3, 6^2, 24^2\})$	7962624
24	$\mathcal{O}(2; \{4^2, 6^2, 24^2\})$	31850496
24	$\mathcal{O}(2; \{3, 6^3, 24^2\})$	29196288
24	$\mathcal{O}(2; \{3, 4, 8^2, 24^2\})$	84934656
24	$\mathcal{O}(2; \{2^3, 4, 12, 24^2\})$	10616832
24	$\mathcal{O}(2; \{4^3, 12, 24^2\})$	42467328
24	$\mathcal{O}(2; \{3, 4, 6, 12, 24^2\})$	53084160
24	$\mathcal{O}(2; \{2, 8^2, 12, 24^2\})$	84934656
24	$\mathcal{O}(2; \{3^2, 12^2, 24^2\})$	116785152
24	$\mathcal{O}(2; \{2, 6, 12^2, 24^2\})$	53084160
24	$\mathcal{O}(2; \{3^2, 8, 24^3\})$	212336640
24	$\mathcal{O}(2; \{2, 6, 8, 24^3\})$	127401984
24	$\mathcal{O}(2; \{2, 4, 24^4\})$	254803968
24	$\mathcal{O}(1; \{2^8, 3^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^5, 8^2\})$	23040
24	$\mathcal{O}(1; \{3^8, 8^2\})$	198144
24	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^5, 4^2, 8^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^5, 3^3, 6, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3^6, 6, 8^2\})$	96768
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 8^2\})$	55296
24	$\mathcal{O}(1; \{2^6, 3, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{3, 4^4, 6^2, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 8^2\})$	23040
24	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 8^2\})$	92160
24	$\mathcal{O}(1; \{2^4, 6^4, 8^2\})$	13824

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^3, 6^4, 8^2\})$	96768
24	$\mathcal{O}(1; \{2, 4^2, 6^4, 8^2\})$	55296
24	$\mathcal{O}(1; \{2, 3, 6^5, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8^4\})$	147456
24	$\mathcal{O}(1; \{3^2, 4^3, 8^4\})$	589824
24	$\mathcal{O}(1; \{3^3, 4, 6, 8^4\})$	442368
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8^4\})$	147456
24	$\mathcal{O}(1; \{2, 3^2, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2^6, 3, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{3, 4^5, 8^2, 12\})$	294912
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{3^2, 4^3, 6, 8^2, 12\})$	221184
24	$\mathcal{O}(1; \{2^4, 4, 6^2, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{3^3, 4, 6^2, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2, 4^3, 6^2, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2, 3, 4, 6^3, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^4, 3, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{3^4, 8^4, 12\})$	737280
24	$\mathcal{O}(1; \{2, 3, 4^2, 8^4, 12\})$	589824
24	$\mathcal{O}(1; \{2, 3^2, 6, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^2, 6^2, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{2^7, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^3, 3^3, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{2^4, 4^2, 8^2, 12^2\})$	73728
24	$\mathcal{O}(1; \{3^3, 4^2, 8^2, 12^2\})$	368640
24	$\mathcal{O}(1; \{2, 4^4, 8^2, 12^2\})$	294912
24	$\mathcal{O}(1; \{2^4, 3, 6, 8^2, 12^2\})$	55296
24	$\mathcal{O}(1; \{3^4, 6, 8^2, 12^2\})$	387072
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8^2, 12^2\})$	221184
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2^2, 6^3, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 4, 8^4, 12^2\})$	589824
24	$\mathcal{O}(1; \{8^6, 12^2\})$	4718592
24	$\mathcal{O}(1; \{2, 3^2, 4, 8^2, 12^3\})$	368640
24	$\mathcal{O}(1; \{2^2, 4, 6, 8^2, 12^3\})$	221184
24	$\mathcal{O}(1; \{6, 8^4, 12^3\})$	1769472
24	$\mathcal{O}(1; \{2^2, 3, 8^2, 12^4\})$	368640
24	$\mathcal{O}(1; \{6^2, 8^2, 12^4\})$	811008
24	$\mathcal{O}(1; \{4, 8^2, 12^5\})$	1474560
24	$\mathcal{O}(1; \{2^5, 3^3, 4, 8, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3^6, 4, 8, 24\})$	193536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 8, 24\})$	110592
24	$\mathcal{O}(1; \{2^6, 3, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 6, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 6, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3, 4^5, 6, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^2, 8, 24\})$	46080
24	$\mathcal{O}(1; \{3^2, 4^3, 6^2, 8, 24\})$	184320
24	$\mathcal{O}(1; \{2^4, 4, 6^3, 8, 24\})$	27648
24	$\mathcal{O}(1; \{3^3, 4, 6^3, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2, 4^3, 6^3, 8, 24\})$	110592
24	$\mathcal{O}(1; \{2, 3, 4, 6^4, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 3^3, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{3^3, 4^2, 8^3, 24\})$	884736
24	$\mathcal{O}(1; \{2^4, 3, 6, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{3^4, 6, 8^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{2^2, 6^3, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{2^6, 3^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^5, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 8, 12, 24\})$	110592
24	$\mathcal{O}(1; \{3^2, 4^4, 8, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^7, 6, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^3, 6, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{2^4, 4^2, 6, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{3^3, 4^2, 6, 8, 12, 24\})$	405504
24	$\mathcal{O}(1; \{2, 4^4, 6, 8, 12, 24\})$	147456
24	$\mathcal{O}(1; \{2^4, 3, 6^2, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{3^4, 6^2, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2, 3^2, 6^3, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 6^4, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{2, 3^2, 4, 8^3, 12, 24\})$	884736
24	$\mathcal{O}(1; \{2^2, 4, 6, 8^3, 12, 24\})$	294912
24	$\mathcal{O}(1; \{6, 8^5, 12, 24\})$	2359296
24	$\mathcal{O}(1; \{2^4, 3, 4, 8, 12^2, 24\})$	110592
24	$\mathcal{O}(1; \{3^4, 4, 8, 12^2, 24\})$	774144
24	$\mathcal{O}(1; \{2, 3, 4^3, 8, 12^2, 24\})$	442368
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8, 12^2, 24\})$	184320
24	$\mathcal{O}(1; \{2^2, 3, 8^3, 12^2, 24\})$	884736
24	$\mathcal{O}(1; \{6^2, 8^3, 12^2, 24\})$	1474560
24	$\mathcal{O}(1; \{2^5, 8, 12^3, 24\})$	110592

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^3, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{2^2, 4^2, 8, 12^3, 24\})$	442368
24	$\mathcal{O}(1; \{2^2, 3, 6, 8, 12^3, 24\})$	405504
24	$\mathcal{O}(1; \{6^3, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{4, 8^3, 12^3, 24\})$	3538944
24	$\mathcal{O}(1; \{4, 6, 8, 12^4, 24\})$	1622016
24	$\mathcal{O}(1; \{3, 8, 12^5, 24\})$	3096576
24	$\mathcal{O}(1; \{2^9, 3, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^5, 3^4, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 3^7, 24^2\})$	391680
24	$\mathcal{O}(1; \{2^6, 3, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^3, 3, 4^4, 24^2\})$	73728
24	$\mathcal{O}(1; \{3, 4^6, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^6, 3^2, 6, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^2, 3^5, 6, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 24^2\})$	92160
24	$\mathcal{O}(1; \{3^2, 4^4, 6, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^7, 6^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 24^2\})$	96768
24	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2, 4^4, 6^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^4, 3, 6^3, 24^2\})$	50688
24	$\mathcal{O}(1; \{3^4, 6^3, 24^2\})$	391680
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 24^2\})$	202752
24	$\mathcal{O}(1; \{2, 3^2, 6^4, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^2, 6^5, 24^2\})$	96768
24	$\mathcal{O}(1; \{2^4, 3, 4, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{3^4, 4, 8^2, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2, 3, 4^3, 8^2, 24^2\})$	589824
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^2, 3, 8^4, 24^2\})$	1179648
24	$\mathcal{O}(1; \{6^2, 8^4, 24^2\})$	3538944
24	$\mathcal{O}(1; \{2^7, 4, 12, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^3, 3^3, 4, 12, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^4, 4^3, 12, 24^2\})$	73728
24	$\mathcal{O}(1; \{3^3, 4^3, 12, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 4^5, 12, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^4, 3, 4, 6, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{3^4, 4, 6, 12, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 3, 4^3, 6, 12, 24^2\})$	368640

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 4, 6^3, 12, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^5, 8^2, 12, 24^2\})$	147456
24	$\mathcal{O}(1; \{2, 3^3, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^2, 4^2, 8^2, 12, 24^2\})$	589824
24	$\mathcal{O}(1; \{2^2, 3, 6, 8^2, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{6^3, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{4, 8^4, 12, 24^2\})$	4718592
24	$\mathcal{O}(1; \{2^4, 3^2, 12^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{3^5, 12^2, 24^2\})$	1566720
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 12^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^5, 6, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2, 3^3, 6, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 12^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{6^4, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{4, 6, 8^2, 12^2, 24^2\})$	2949120
24	$\mathcal{O}(1; \{2^2, 3, 4, 12^3, 24^2\})$	811008
24	$\mathcal{O}(1; \{4, 6^2, 12^3, 24^2\})$	1548288
24	$\mathcal{O}(1; \{3, 8^2, 12^3, 24^2\})$	6488064
24	$\mathcal{O}(1; \{2^3, 12^4, 24^2\})$	811008
24	$\mathcal{O}(1; \{4^2, 12^4, 24^2\})$	3244032
24	$\mathcal{O}(1; \{3, 6, 12^4, 24^2\})$	3170304
24	$\mathcal{O}(1; \{2^4, 3^2, 8, 24^3\})$	368640
24	$\mathcal{O}(1; \{3^5, 8, 24^3\})$	3170304
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 8, 24^3\})$	1474560
24	$\mathcal{O}(1; \{2^5, 6, 8, 24^3\})$	221184
24	$\mathcal{O}(1; \{2, 3^3, 6, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 8, 24^3\})$	884736
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{6^4, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{4, 6, 8^3, 24^3\})$	7077888
24	$\mathcal{O}(1; \{2^2, 3, 4, 8, 12, 24^3\})$	1474560
24	$\mathcal{O}(1; \{4, 6^2, 8, 12, 24^3\})$	3244032
24	$\mathcal{O}(1; \{3, 8^3, 12, 24^3\})$	11796480
24	$\mathcal{O}(1; \{2^3, 8, 12^2, 24^3\})$	1474560
24	$\mathcal{O}(1; \{4^2, 8, 12^2, 24^3\})$	5898240
24	$\mathcal{O}(1; \{3, 6, 8, 12^2, 24^3\})$	6193152
24	$\mathcal{O}(1; \{2^5, 4, 24^4\})$	442368
24	$\mathcal{O}(1; \{2, 3^3, 4, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2^2, 4^3, 24^4\})$	1769472
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 24^4\})$	1622016
24	$\mathcal{O}(1; \{4, 6^3, 24^4\})$	3096576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 8^2, 24^4\})$	3538944
24	$\mathcal{O}(1; \{4^2, 8^2, 24^4\})$	14155776
24	$\mathcal{O}(1; \{3, 6, 8^2, 24^4\})$	12976128
24	$\mathcal{O}(1; \{2^2, 3^2, 12, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2^3, 6, 12, 24^4\})$	1622016
24	$\mathcal{O}(1; \{4^2, 6, 12, 24^4\})$	6488064
24	$\mathcal{O}(1; \{3, 6^2, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{3, 4, 12^2, 24^4\})$	12386304
24	$\mathcal{O}(1; \{2, 12^3, 24^4\})$	12386304
24	$\mathcal{O}(1; \{3, 4, 8, 24^5\})$	25952256
24	$\mathcal{O}(1; \{2, 8, 12, 24^5\})$	25952256
24	$\mathcal{O}(1; \{3^2, 24^6\})$	50724864
24	$\mathcal{O}(1; \{2, 6, 24^6\})$	24772608
24	$\mathcal{O}(0; \{2^{12}, 3^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^8, 3^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 3^8, 8^2\})$	344
24	$\mathcal{O}(0; \{3^{11}, 8^2\})$	2728
24	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 8^2\})$	160
24	$\mathcal{O}(0; \{2, 3^8, 4^2, 8^2\})$	1376
24	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 8^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 8^2\})$	512
24	$\mathcal{O}(0; \{3^2, 4^8, 8^2\})$	2048
24	$\mathcal{O}(0; \{2^9, 3^3, 6, 8^2\})$	24
24	$\mathcal{O}(0; \{2^5, 3^6, 6, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^9, 6, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6, 8^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6, 8^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6, 8^2\})$	384
24	$\mathcal{O}(0; \{3^3, 4^6, 6, 8^2\})$	1536
24	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 8^2\})$	680
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^2, 8^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^2, 8^2\})$	128
24	$\mathcal{O}(0; \{3^4, 4^4, 6^2, 8^2\})$	1408
24	$\mathcal{O}(0; \{2, 3, 4^6, 6^2, 8^2\})$	512
24	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 8^2\})$	344
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^3, 8^2\})$	160
24	$\mathcal{O}(0; \{3^5, 4^2, 6^3, 8^2\})$	1376

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^3, 8^2\})$	640
24	$\mathcal{O}(0; \{2^8, 6^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 8^2\})$	168
24	$\mathcal{O}(0; \{3^6, 6^4, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^5, 4^2, 6^4, 8^2\})$	96
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^4, 8^2\})$	672
24	$\mathcal{O}(0; \{2^2, 4^4, 6^4, 8^2\})$	384
24	$\mathcal{O}(0; \{2^5, 3, 6^5, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^4, 6^5, 8^2\})$	680
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^5, 8^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 8^2\})$	344
24	$\mathcal{O}(0; \{2^3, 6^7, 8^2\})$	168
24	$\mathcal{O}(0; \{4^2, 6^7, 8^2\})$	672
24	$\mathcal{O}(0; \{3, 6^8, 8^2\})$	680
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8^4\})$	1024
24	$\mathcal{O}(0; \{3^5, 4^3, 8^4\})$	5120
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8^4\})$	768
24	$\mathcal{O}(0; \{3^6, 4, 6, 8^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8^4\})$	3072
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8^4\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8^4\})$	768
24	$\mathcal{O}(0; \{4^3, 6^4, 8^4\})$	3072
24	$\mathcal{O}(0; \{3, 4, 6^5, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^5, 3^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{2, 3^5, 8^6\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^6\})$	6144
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{3^2, 6^3, 8^6\})$	10240
24	$\mathcal{O}(0; \{2, 6^4, 8^6\})$	6144
24	$\mathcal{O}(0; \{3^2, 4, 8^8\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 8^2, 12\})$	640

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{3^4, 4^5, 8^2, 12\})$	2560
24	$\mathcal{O}(0; \{2, 3, 4^7, 8^2, 12\})$	2048
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{3^5, 4^3, 6, 8^2, 12\})$	2688
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^8, 4, 6^2, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^2, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^6, 4, 6^2, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2^5, 4^3, 6^2, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^2, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^2, 4^5, 6^2, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^3, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^3, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^3, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^4, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^3, 4, 6^5, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{4^3, 6^5, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{3, 4, 6^6, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^8, 3, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^4, 3^4, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{3^7, 8^4, 12\})$	11008
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 3^5, 6, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2^6, 6^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{4^4, 6^2, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{3^2, 6^4, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2, 6^5, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{3, 4^3, 8^6, 12\})$	32768
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^6, 12\})$	24576
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{2, 3, 8^8, 12\})$	65536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^{11}, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^7, 3^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^6, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^8, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{3^6, 4^2, 8^2, 12^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 4^4, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 4^6, 8^2, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^8, 3, 6, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3^7, 6, 8^2, 12^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8^2, 12^2\})$	1536
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^6, 6^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{4^4, 6^3, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{3^2, 6^5, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2, 6^6, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^6, 4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{2^3, 4^3, 8^4, 12^2\})$	4096
24	$\mathcal{O}(0; \{4^5, 8^4, 12^2\})$	16384
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^4, 12^2\})$	3072
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^4, 12^2\})$	12288
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{2^4, 8^6, 12^2\})$	8192
24	$\mathcal{O}(0; \{3^3, 8^6, 12^2\})$	40960
24	$\mathcal{O}(0; \{2, 4^2, 8^6, 12^2\})$	32768
24	$\mathcal{O}(0; \{2, 3, 6, 8^6, 12^2\})$	24576
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{2, 3^5, 4, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8^2, 12^3\})$	2560
24	$\mathcal{O}(0; \{2^6, 4, 6, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8^2, 12^3\})$	2688

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8^2, 12^3\})$	1536
24	$\mathcal{O}(0; \{4^5, 6, 8^2, 12^3\})$	6144
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2, 4, 6^4, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 8^4, 12^3\})$	5120
24	$\mathcal{O}(0; \{3^2, 4^2, 8^4, 12^3\})$	20480
24	$\mathcal{O}(0; \{2^4, 6, 8^4, 12^3\})$	3072
24	$\mathcal{O}(0; \{3^3, 6, 8^4, 12^3\})$	21504
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^4, 12^3\})$	12288
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2^6, 3, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^2, 3^4, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^2, 12^4\})$	2560
24	$\mathcal{O}(0; \{3, 4^4, 8^2, 12^4\})$	10240
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^2, 12^4\})$	10752
24	$\mathcal{O}(0; \{2^4, 6^2, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{3^3, 6^2, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^2, 12^4\})$	5632
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4, 8^4, 12^4\})$	20480
24	$\mathcal{O}(0; \{2^4, 4, 8^2, 12^5\})$	2560
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 12^5\})$	22016
24	$\mathcal{O}(0; \{2, 4^3, 8^2, 12^5\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 12^5\})$	10752
24	$\mathcal{O}(0; \{2^2, 8^4, 12^5\})$	20480
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12^6\})$	22016
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12^6\})$	10752
24	$\mathcal{O}(0; \{8^2, 12^8\})$	88064
24	$\mathcal{O}(0; \{2^9, 3^3, 4, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^5, 3^6, 4, 8, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^9, 4, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 8, 24\})$	768
24	$\mathcal{O}(0; \{3^3, 4^7, 8, 24\})$	3072
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 6, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 6, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6, 8, 24\})$	704

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 6, 8, 24\})$	256
24	$\mathcal{O}(0; \{3^4, 4^5, 6, 8, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3, 4^7, 6, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^2, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^2, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^2, 8, 24\})$	320
24	$\mathcal{O}(0; \{3^5, 4^3, 6^2, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^2, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^8, 4, 6^3, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^3, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^6, 4, 6^3, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^5, 4^3, 6^3, 8, 24\})$	192
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^3, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^2, 4^5, 6^3, 8, 24\})$	768
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^4, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^4, 8, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^5, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^3, 4, 6^6, 8, 24\})$	336
24	$\mathcal{O}(0; \{4^3, 6^6, 8, 24\})$	1344
24	$\mathcal{O}(0; \{3, 4, 6^7, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^7, 3^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3^6, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{3^6, 4^2, 8^3, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^8, 3, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^7, 6, 8^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^6, 6^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{4^4, 6^3, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{3^2, 6^5, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2, 6^6, 8^3, 24\})$	2688

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{3^3, 8^7, 24\})$	98304
24	$\mathcal{O}(0; \{2, 3, 6, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^{10}, 3^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^6, 3^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 3^8, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 8, 12, 24\})$	768
24	$\mathcal{O}(0; \{3^5, 4^4, 8, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 8, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^{11}, 6, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^7, 3^3, 6, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^6, 6, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^8, 4^2, 6, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3^6, 4^2, 6, 8, 12, 24\})$	5440
24	$\mathcal{O}(0; \{2^5, 4^4, 6, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 4^6, 6, 8, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2^8, 3, 6^2, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^7, 6^2, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^5, 6^3, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^6, 6^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^3, 4^2, 6^4, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{4^4, 6^4, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 6^5, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3, 4^2, 6^5, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{3^2, 6^6, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2, 6^7, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2, 3^5, 4, 8^3, 12, 24\})$	10752

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8^3, 12, 24\})$	6144
24	$\mathcal{O}(0; \{2^6, 4, 6, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8^3, 12, 24\})$	2048
24	$\mathcal{O}(0; \{4^5, 6, 8^3, 12, 24\})$	8192
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2, 4, 6^4, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 3^2, 8^5, 12, 24\})$	12288
24	$\mathcal{O}(0; \{3^2, 4^2, 8^5, 12, 24\})$	49152
24	$\mathcal{O}(0; \{2^4, 6, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{3^3, 6, 8^5, 12, 24\})$	45056
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^5, 12, 24\})$	16384
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2^8, 3, 4, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{3^7, 4, 8, 12^2, 24\})$	10944
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 8, 12^2, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 8, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8, 12^2, 24\})$	1280
24	$\mathcal{O}(0; \{4^5, 6^2, 8, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2, 4, 6^5, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^6, 3, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^4, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^3, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{3, 4^4, 8^3, 12^2, 24\})$	24576
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^3, 12^2, 24\})$	22528
24	$\mathcal{O}(0; \{2^4, 6^2, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{3^3, 6^2, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^3, 12^2, 24\})$	10240
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4, 8^5, 12^2, 24\})$	49152

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^9, 8, 12^3, 24\})$	192
24	$\mathcal{O}(0; \{2^5, 3^3, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3^6, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2^6, 4^2, 8, 12^3, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 4^4, 8, 12^3, 24\})$	3072
24	$\mathcal{O}(0; \{4^6, 8, 12^3, 24\})$	12288
24	$\mathcal{O}(0; \{2^6, 3, 6, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8, 12^3, 24\})$	2816
24	$\mathcal{O}(0; \{3, 4^4, 6, 8, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{2^4, 6^3, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{3^3, 6^3, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2, 3, 6^4, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^4, 4, 8^3, 12^3, 24\})$	6144
24	$\mathcal{O}(0; \{3^3, 4, 8^3, 12^3, 24\})$	43008
24	$\mathcal{O}(0; \{2, 4^3, 8^3, 12^3, 24\})$	24576
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^3, 12^3, 24\})$	22528
24	$\mathcal{O}(0; \{2^2, 8^5, 12^3, 24\})$	49152
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8, 12^4, 24\})$	5376
24	$\mathcal{O}(0; \{3^2, 4^3, 8, 12^4, 24\})$	21504
24	$\mathcal{O}(0; \{2^4, 4, 6, 8, 12^4, 24\})$	2816
24	$\mathcal{O}(0; \{3^3, 4, 6, 8, 12^4, 24\})$	21760
24	$\mathcal{O}(0; \{2, 4^3, 6, 8, 12^4, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 8^3, 12^4, 24\})$	43008
24	$\mathcal{O}(0; \{2^2, 6, 8^3, 12^4, 24\})$	22528
24	$\mathcal{O}(0; \{2^4, 3, 8, 12^5, 24\})$	5376
24	$\mathcal{O}(0; \{3^4, 8, 12^5, 24\})$	43776
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 12^5, 24\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 12^5, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 4, 8, 12^6, 24\})$	21504
24	$\mathcal{O}(0; \{8^3, 12^6, 24\})$	172032
24	$\mathcal{O}(0; \{6, 8, 12^7, 24\})$	87040
24	$\mathcal{O}(0; \{2^{13}, 3, 24^2\})$	8
24	$\mathcal{O}(0; \{2^9, 3^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2^5, 3^7, 24^2\})$	680
24	$\mathcal{O}(0; \{2, 3^{10}, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 24^2\})$	32

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^7, 3, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 4^6, 24^2\})$	512
24	$\mathcal{O}(0; \{3^4, 4^6, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4^8, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 24^2\})$	40
24	$\mathcal{O}(0; \{2^6, 3^5, 6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^8, 6, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6, 24^2\})$	640
24	$\mathcal{O}(0; \{3^5, 4^4, 6, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 6, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^{11}, 6^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^8, 4^2, 6^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^2, 24^2\})$	672
24	$\mathcal{O}(0; \{3^6, 4^2, 6^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 4^4, 6^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 4^6, 6^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^8, 3, 6^3, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 24^2\})$	680
24	$\mathcal{O}(0; \{3^7, 6^3, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^3, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^3, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3^5, 6^4, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^4, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^6, 6^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^3, 4^2, 6^5, 24^2\})$	672
24	$\mathcal{O}(0; \{4^4, 6^5, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 3, 6^6, 24^2\})$	680
24	$\mathcal{O}(0; \{3, 4^2, 6^6, 24^2\})$	2720
24	$\mathcal{O}(0; \{3^2, 6^7, 24^2\})$	2728
24	$\mathcal{O}(0; \{2, 6^8, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^8, 3, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8^2, 24^2\})$	2816

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^7, 4, 8^2, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 8^2, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{4^5, 6^2, 8^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 4, 6^5, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^6, 3, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^4, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{3, 4^4, 8^4, 24^2\})$	32768
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^4, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^4, 6^2, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{3^3, 6^2, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^4, 24^2\})$	24576
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2, 3, 4, 8^6, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^{11}, 4, 12, 24^2\})$	32
24	$\mathcal{O}(0; \{2^7, 3^3, 4, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 3^6, 4, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^8, 4^3, 12, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^6, 4^3, 12, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^5, 4^5, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^5, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^7, 12, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^8, 3, 4, 6, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^7, 4, 6, 12, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 12, 24^2\})$	5472

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^6, 4, 6^3, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{4^5, 6^3, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{3, 4^3, 6^4, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^2, 4, 6^5, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2, 4, 6^6, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^9, 8^2, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3^3, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 3^6, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^6, 4^2, 8^2, 12, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^3, 4^4, 8^2, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{4^6, 8^2, 12, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^6, 3, 6, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8^2, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{3, 4^4, 6, 8^2, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^4, 6^3, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^3, 6^3, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2, 3, 6^4, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^4, 4, 8^4, 12, 24^2\})$	8192
24	$\mathcal{O}(0; \{3^3, 4, 8^4, 12, 24^2\})$	90112
24	$\mathcal{O}(0; \{2, 4^3, 8^4, 12, 24^2\})$	32768
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^4, 12, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^2, 8^6, 12, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^8, 3^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3^5, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{3^8, 12^2, 24^2\})$	21856
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^9, 6, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^6, 6, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 12^2, 24^2\})$	2560

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^6, 6, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^4, 6^4, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^3, 6^4, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 3, 6^5, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{3^2, 4^3, 8^2, 12^2, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^2, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^2, 12^2, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^2, 12^2, 24^2\})$	20480
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 8^4, 12^2, 24^2\})$	90112
24	$\mathcal{O}(0; \{2^2, 6, 8^4, 12^2, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^6, 3, 4, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 12^3, 24^2\})$	5632
24	$\mathcal{O}(0; \{3, 4^5, 12^3, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 12^3, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 12^3, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{3^4, 8^2, 12^3, 24^2\})$	87040
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 12^3, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^7, 12^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^3, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^4, 4^2, 12^4, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^3, 4^2, 12^4, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 4^4, 12^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^4, 3, 6, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^4, 6, 12^4, 24^2\})$	43648
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^4, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^4, 24^2\})$	21888

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 6^3, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{8^4, 12^4, 24^2\})$	360448
24	$\mathcal{O}(0; \{2, 3^2, 4, 12^5, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^2, 4, 6, 12^5, 24^2\})$	22016
24	$\mathcal{O}(0; \{6, 8^2, 12^5, 24^2\})$	176128
24	$\mathcal{O}(0; \{2^2, 3, 12^6, 24^2\})$	43520
24	$\mathcal{O}(0; \{6^2, 12^6, 24^2\})$	87552
24	$\mathcal{O}(0; \{4, 12^7, 24^2\})$	174080
24	$\mathcal{O}(0; \{2^8, 3^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^4, 3^5, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{3^8, 8, 24^3\})$	43648
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 8, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^9, 6, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 3^6, 6, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 8, 24^3\})$	6144
24	$\mathcal{O}(0; \{4^6, 6, 8, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^4, 6^4, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{3^3, 6^4, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2, 3, 6^5, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^3, 24^3\})$	20480
24	$\mathcal{O}(0; \{3^2, 4^3, 8^3, 24^3\})$	81920
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^3, 24^3\})$	12288
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^3, 24^3\})$	49152
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2, 3^2, 8^5, 24^3\})$	163840
24	$\mathcal{O}(0; \{2^2, 6, 8^5, 24^3\})$	98304
24	$\mathcal{O}(0; \{2^6, 3, 4, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8, 12, 24^3\})$	10240

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^5, 8, 12, 24^3\})$	40960
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8, 12, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8, 12, 24^3\})$	22528
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^4, 3, 8^3, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{3^4, 8^3, 12, 24^3\})$	176128
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^3, 12, 24^3\})$	81920
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^2, 6^2, 8^3, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^7, 8, 12^2, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^3, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^4, 4^2, 8, 12^2, 24^3\})$	10240
24	$\mathcal{O}(0; \{3^3, 4^2, 8, 12^2, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 4^4, 8, 12^2, 24^3\})$	40960
24	$\mathcal{O}(0; \{2^4, 3, 6, 8, 12^2, 24^3\})$	10752
24	$\mathcal{O}(0; \{3^4, 6, 8, 12^2, 24^3\})$	87552
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8, 12^2, 24^3\})$	43008
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^2, 6^3, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 4, 8^3, 12^2, 24^3\})$	81920
24	$\mathcal{O}(0; \{8^5, 12^2, 24^3\})$	655360
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 12^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 12^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{6, 8^3, 12^3, 24^3\})$	344064
24	$\mathcal{O}(0; \{2^2, 3, 8, 12^4, 24^3\})$	88064
24	$\mathcal{O}(0; \{6^2, 8, 12^4, 24^3\})$	174080
24	$\mathcal{O}(0; \{4, 8, 12^5, 24^3\})$	352256
24	$\mathcal{O}(0; \{2^9, 4, 24^4\})$	768
24	$\mathcal{O}(0; \{2^5, 3^3, 4, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^6, 4, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^6, 4^3, 24^4\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 24^4\})$	21504
24	$\mathcal{O}(0; \{2^3, 4^5, 24^4\})$	12288
24	$\mathcal{O}(0; \{4^7, 24^4\})$	49152
24	$\mathcal{O}(0; \{2^6, 3, 4, 6, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 24^4\})$	11264
24	$\mathcal{O}(0; \{3, 4^5, 6, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 24^4\})$	44032

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4, 6^3, 24^4\})$	5376
24	$\mathcal{O}(0; \{3^3, 4, 6^3, 24^4\})$	43776
24	$\mathcal{O}(0; \{2, 4^3, 6^3, 24^4\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4, 6^4, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^7, 8^2, 24^4\})$	6144
24	$\mathcal{O}(0; \{2^3, 3^3, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 24^4\})$	24576
24	$\mathcal{O}(0; \{3^3, 4^2, 8^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{2, 4^4, 8^2, 24^4\})$	98304
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{3^4, 6, 8^2, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^2, 6^3, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^2, 4, 8^4, 24^4\})$	196608
24	$\mathcal{O}(0; \{8^6, 24^4\})$	1572864
24	$\mathcal{O}(0; \{2^6, 3^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^5, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 12, 24^4\})$	21504
24	$\mathcal{O}(0; \{3^2, 4^4, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^7, 6, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 12, 24^4\})$	11264
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 12, 24^4\})$	87040
24	$\mathcal{O}(0; \{2, 4^4, 6, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^4, 6^2, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 6^4, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2, 12, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^2, 12, 24^4\})$	90112
24	$\mathcal{O}(0; \{6, 8^4, 12, 24^4\})$	720896
24	$\mathcal{O}(0; \{2^4, 3, 4, 12^2, 24^4\})$	21504
24	$\mathcal{O}(0; \{3^4, 4, 12^2, 24^4\})$	175104
24	$\mathcal{O}(0; \{2, 3, 4^3, 12^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^2, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{6^2, 8^2, 12^2, 24^4\})$	352256
24	$\mathcal{O}(0; \{2^5, 12^3, 24^4\})$	21504
24	$\mathcal{O}(0; \{2, 3^3, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{2^2, 4^2, 12^3, 24^4\})$	86016

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3, 6, 12^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{6^3, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{4, 8^2, 12^3, 24^4\})$	688128
24	$\mathcal{O}(0; \{4, 6, 12^4, 24^4\})$	348160
24	$\mathcal{O}(0; \{3, 12^5, 24^4\})$	700416
24	$\mathcal{O}(0; \{2^4, 3, 4, 8, 24^5\})$	45056
24	$\mathcal{O}(0; \{3^4, 4, 8, 24^5\})$	348160
24	$\mathcal{O}(0; \{2, 3, 4^3, 8, 24^5\})$	180224
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8, 24^5\})$	86016
24	$\mathcal{O}(0; \{2^2, 3, 8^3, 24^5\})$	360448
24	$\mathcal{O}(0; \{6^2, 8^3, 24^5\})$	688128
24	$\mathcal{O}(0; \{2^5, 8, 12, 24^5\})$	45056
24	$\mathcal{O}(0; \{2, 3^3, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{2^2, 4^2, 8, 12, 24^5\})$	180224
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 12, 24^5\})$	176128
24	$\mathcal{O}(0; \{6^3, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{4, 8^3, 12, 24^5\})$	1441792
24	$\mathcal{O}(0; \{4, 6, 8, 12^2, 24^5\})$	704512
24	$\mathcal{O}(0; \{3, 8, 12^3, 24^5\})$	1392640
24	$\mathcal{O}(0; \{2^4, 3^2, 24^6\})$	88064
24	$\mathcal{O}(0; \{3^5, 24^6\})$	698368
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 24^6\})$	352256
24	$\mathcal{O}(0; \{2^5, 6, 24^6\})$	43008
24	$\mathcal{O}(0; \{2, 3^3, 6, 24^6\})$	350208
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 24^6\})$	172032
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 24^6\})$	174080
24	$\mathcal{O}(0; \{6^4, 24^6\})$	350208
24	$\mathcal{O}(0; \{4, 6, 8^2, 24^6\})$	1376256
24	$\mathcal{O}(0; \{2^2, 3, 4, 12, 24^6\})$	352256
24	$\mathcal{O}(0; \{4, 6^2, 12, 24^6\})$	696320
24	$\mathcal{O}(0; \{3, 8^2, 12, 24^6\})$	2818048
24	$\mathcal{O}(0; \{2^3, 12^2, 24^6\})$	352256
24	$\mathcal{O}(0; \{4^2, 12^2, 24^6\})$	1409024
24	$\mathcal{O}(0; \{3, 6, 12^2, 24^6\})$	1400832
24	$\mathcal{O}(0; \{2^3, 8, 24^7\})$	688128
24	$\mathcal{O}(0; \{4^2, 8, 24^7\})$	2752512
24	$\mathcal{O}(0; \{3, 6, 8, 24^7\})$	2785280
24	$\mathcal{O}(0; \{3, 4, 24^8\})$	5570560
24	$\mathcal{O}(0; \{2, 12, 24^8\})$	5570560
25	$\mathcal{O}(2; \{5^6\})$	319800000
25	$\mathcal{O}(2; \{25^5\})$	49804687500
25	$\mathcal{O}(0; \{5^5, 25^5\})$	130560000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
26	$\mathcal{O}(1; \{2^2, 13^6\})$	155271792
26	$\mathcal{O}(1; \{13^5, 26^2\})$	1863253392
26	$\mathcal{O}(0; \{2^6, 13^6\})$	229692
26	$\mathcal{O}(0; \{2^4, 13^5, 26^2\})$	2756292
26	$\mathcal{O}(0; \{2^2, 13^4, 26^4\})$	33075516
26	$\mathcal{O}(0; \{13^3, 26^6\})$	396906180
27	$\mathcal{O}(1; \{3, 9^2, 27^4\})$	229582512
27	$\mathcal{O}(0; \{3^4, 9^2, 27^4\})$	2519424
27	$\mathcal{O}(0; \{9^5, 27^4\})$	34012224
27	$\mathcal{O}(0; \{3, 9, 27^7\})$	267846264
28	$\mathcal{O}(2; \{4^2, 7^3\})$	36879360
28	$\mathcal{O}(2; \{2^3, 4, 7, 28\})$	7375872
28	$\mathcal{O}(2; \{4^3, 7, 28\})$	29503488
28	$\mathcal{O}(2; \{2, 4, 14^2, 28\})$	36879360
28	$\mathcal{O}(1; \{2^4, 4^2, 7^3\})$	47040
28	$\mathcal{O}(1; \{2, 4^4, 7^3\})$	188160
28	$\mathcal{O}(1; \{2^2, 4^2, 7^2, 14^2\})$	291648
28	$\mathcal{O}(1; \{4^2, 7, 14^4\})$	1740480
28	$\mathcal{O}(1; \{2^7, 4, 7, 28\})$	9408
28	$\mathcal{O}(1; \{2^4, 4^3, 7, 28\})$	37632
28	$\mathcal{O}(1; \{2, 4^5, 7, 28\})$	150528
28	$\mathcal{O}(1; \{4, 7^4, 14, 28\})$	10452288
28	$\mathcal{O}(1; \{2^5, 4, 14^2, 28\})$	47040
28	$\mathcal{O}(1; \{2^2, 4^3, 14^2, 28\})$	188160
28	$\mathcal{O}(1; \{2^3, 7^2, 14, 28^2\})$	1740480
28	$\mathcal{O}(1; \{4^2, 7^2, 14, 28^2\})$	6961920
28	$\mathcal{O}(1; \{2, 7, 14^3, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2^3, 4, 14, 28^3\})$	1166592
28	$\mathcal{O}(1; \{4^3, 14, 28^3\})$	4666368
28	$\mathcal{O}(1; \{2, 7^2, 28^4\})$	41809152
28	$\mathcal{O}(1; \{2, 4, 28^5\})$	27847680
28	$\mathcal{O}(0; \{2^8, 4^2, 7^3\})$	60
28	$\mathcal{O}(0; \{2^5, 4^4, 7^3\})$	240
28	$\mathcal{O}(0; \{2^2, 4^6, 7^3\})$	960
28	$\mathcal{O}(0; \{2, 4^2, 7^6, 14\})$	79980
28	$\mathcal{O}(0; \{2^6, 4^2, 7^2, 14^2\})$	372
28	$\mathcal{O}(0; \{2^3, 4^4, 7^2, 14^2\})$	1488
28	$\mathcal{O}(0; \{4^6, 7^2, 14^2\})$	5952
28	$\mathcal{O}(0; \{2^4, 4^2, 7, 14^4\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 7, 14^4\})$	8880
28	$\mathcal{O}(0; \{2^2, 4^2, 14^6\})$	13332
28	$\mathcal{O}(0; \{2^{11}, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{2^8, 4^3, 7, 28\})$	48

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^5, 4^5, 7, 28\})$	192
28	$\mathcal{O}(0; \{2^2, 4^7, 7, 28\})$	768
28	$\mathcal{O}(0; \{2^4, 4, 7^4, 14, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 7^4, 14, 28\})$	53328
28	$\mathcal{O}(0; \{2^9, 4, 14^2, 28\})$	60
28	$\mathcal{O}(0; \{2^6, 4^3, 14^2, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 4^5, 14^2, 28\})$	960
28	$\mathcal{O}(0; \{4^7, 14^2, 28\})$	3840
28	$\mathcal{O}(0; \{2^2, 4, 7^3, 14^3, 28\})$	79980
28	$\mathcal{O}(0; \{4, 7^2, 14^5, 28\})$	479892
28	$\mathcal{O}(0; \{2^2, 7^6, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^7, 7^2, 14, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^4, 4^2, 7^2, 14, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 4^4, 7^2, 14, 28^2\})$	35520
28	$\mathcal{O}(0; \{7^5, 14^2, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^5, 7, 14^3, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14^3, 28^2\})$	53328
28	$\mathcal{O}(0; \{2^3, 14^5, 28^2\})$	79980
28	$\mathcal{O}(0; \{4^2, 14^5, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^2, 4, 7^4, 28^3\})$	319920
28	$\mathcal{O}(0; \{2^7, 4, 14, 28^3\})$	1488
28	$\mathcal{O}(0; \{2^4, 4^3, 14, 28^3\})$	5952
28	$\mathcal{O}(0; \{2, 4^5, 14, 28^3\})$	23808
28	$\mathcal{O}(0; \{4, 7^3, 14^2, 28^3\})$	1919568
28	$\mathcal{O}(0; \{2^5, 7^2, 28^4\})$	53328
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 28^4\})$	213312
28	$\mathcal{O}(0; \{2^3, 7, 14^2, 28^4\})$	319920
28	$\mathcal{O}(0; \{4^2, 7, 14^2, 28^4\})$	1279680
28	$\mathcal{O}(0; \{2, 14^4, 28^4\})$	1919568
28	$\mathcal{O}(0; \{2^5, 4, 28^5\})$	35520
28	$\mathcal{O}(0; \{2^2, 4^3, 28^5\})$	142080
28	$\mathcal{O}(0; \{2, 7, 14, 28^6\})$	7678272
29	$\mathcal{O}(2; \{29^4\})$	14991528076
30	$\mathcal{O}(3; \{6^2\})$	1457906688
30	$\mathcal{O}(2; \{2^2, 3^4\})$	4852224
30	$\mathcal{O}(2; \{2^3, 3^2, 6\})$	1617408
30	$\mathcal{O}(2; \{2^4, 6^2\})$	1617408
30	$\mathcal{O}(2; \{3^3, 6^2\})$	8087040
30	$\mathcal{O}(2; \{2, 3, 6^3\})$	4852224
30	$\mathcal{O}(2; \{2, 3^2, 10, 15\})$	6480000
30	$\mathcal{O}(2; \{2^2, 6, 10, 15\})$	6480000
30	$\mathcal{O}(2; \{2^2, 5, 15^2\})$	19440000
30	$\mathcal{O}(2; \{10^2, 15^2\})$	84240000

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(2; \{6, 15^2, 30\})$	58320000
30	$\mathcal{O}(2; \{6, 10, 30^2\})$	19440000
30	$\mathcal{O}(2; \{5, 15, 30^2\})$	84240000
30	$\mathcal{O}(1; \{2^6, 3^4\})$	5184
30	$\mathcal{O}(1; \{2^2, 3^7\})$	36288
30	$\mathcal{O}(1; \{2^7, 3^2, 6\})$	1728
30	$\mathcal{O}(1; \{2^3, 3^5, 6\})$	19008
30	$\mathcal{O}(1; \{2^8, 6^2\})$	1728
30	$\mathcal{O}(1; \{2^4, 3^3, 6^2\})$	8640
30	$\mathcal{O}(1; \{3^6, 6^2\})$	74304
30	$\mathcal{O}(1; \{5^5, 6^2\})$	367200
30	$\mathcal{O}(1; \{2^5, 3, 6^3\})$	5184
30	$\mathcal{O}(1; \{2, 3^4, 6^3\})$	36288
30	$\mathcal{O}(1; \{2^2, 3^2, 6^4\})$	19008
30	$\mathcal{O}(1; \{2^3, 6^5\})$	8640
30	$\mathcal{O}(1; \{3, 6^6\})$	36288
30	$\mathcal{O}(1; \{2, 3^4, 5^2, 10\})$	64800
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 6, 10\})$	21600
30	$\mathcal{O}(1; \{2^3, 5^2, 6^2, 10\})$	21600
30	$\mathcal{O}(1; \{3, 5^2, 6^3, 10\})$	64800
30	$\mathcal{O}(1; \{3^2, 5, 6, 10^3\})$	93600
30	$\mathcal{O}(1; \{2, 5, 6^2, 10^3\})$	93600
30	$\mathcal{O}(1; \{2^2, 3^2, 5^3, 15\})$	93600
30	$\mathcal{O}(1; \{2^3, 5^3, 6, 15\})$	93600
30	$\mathcal{O}(1; \{3, 5^3, 6^2, 15\})$	280800
30	$\mathcal{O}(1; \{2^5, 3^2, 10, 15\})$	7200
30	$\mathcal{O}(1; \{2, 3^5, 10, 15\})$	79200
30	$\mathcal{O}(1; \{2^6, 6, 10, 15\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^3, 6, 10, 15\})$	36000
30	$\mathcal{O}(1; \{2^3, 3, 6^2, 10, 15\})$	21600
30	$\mathcal{O}(1; \{3^2, 6^3, 10, 15\})$	79200
30	$\mathcal{O}(1; \{2, 6^4, 10, 15\})$	36000
30	$\mathcal{O}(1; \{3^2, 5^2, 10^2, 15\})$	367200
30	$\mathcal{O}(1; \{2, 5^2, 6, 10^2, 15\})$	367200
30	$\mathcal{O}(1; \{2^6, 5, 15^2\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 15^2\})$	108000
30	$\mathcal{O}(1; \{2^3, 3, 5, 6, 15^2\})$	64800
30	$\mathcal{O}(1; \{3^2, 5, 6^2, 15^2\})$	237600
30	$\mathcal{O}(1; \{2, 5, 6^3, 15^2\})$	108000
30	$\mathcal{O}(1; \{2, 5^3, 10, 15^2\})$	1476000
30	$\mathcal{O}(1; \{2^4, 10^2, 15^2\})$	93600
30	$\mathcal{O}(1; \{3^3, 10^2, 15^2\})$	468000
30	$\mathcal{O}(1; \{2, 3, 6, 10^2, 15^2\})$	280800

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2, 3, 5, 10, 15^3\})$	1101600
30	$\mathcal{O}(1; \{2^2, 15^5\})$	1836000
30	$\mathcal{O}(1; \{3, 5^4, 6, 30\})$	367200
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 10, 30\})$	64800
30	$\mathcal{O}(1; \{2^3, 3, 5, 6, 10, 30\})$	21600
30	$\mathcal{O}(1; \{3^2, 5, 6^2, 10, 30\})$	108000
30	$\mathcal{O}(1; \{2, 5, 6^3, 10, 30\})$	64800
30	$\mathcal{O}(1; \{3^3, 10^3, 30\})$	280800
30	$\mathcal{O}(1; \{2, 3, 6, 10^3, 30\})$	93600
30	$\mathcal{O}(1; \{2^3, 3, 5^2, 15, 30\})$	93600
30	$\mathcal{O}(1; \{3^2, 5^2, 6, 15, 30\})$	468000
30	$\mathcal{O}(1; \{2, 5^2, 6^2, 15, 30\})$	280800
30	$\mathcal{O}(1; \{2, 3, 5, 10^2, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 15^2, 30\})$	108000
30	$\mathcal{O}(1; \{2^4, 6, 15^2, 30\})$	64800
30	$\mathcal{O}(1; \{3^3, 6, 15^2, 30\})$	453600
30	$\mathcal{O}(1; \{2, 3, 6^2, 15^2, 30\})$	237600
30	$\mathcal{O}(1; \{2^2, 10, 15^3, 30\})$	1101600
30	$\mathcal{O}(1; \{3^2, 5^3, 30^2\})$	1101600
30	$\mathcal{O}(1; \{2, 5^3, 6, 30^2\})$	367200
30	$\mathcal{O}(1; \{2^3, 3^2, 10, 30^2\})$	64800
30	$\mathcal{O}(1; \{2^4, 6, 10, 30^2\})$	21600
30	$\mathcal{O}(1; \{3^3, 6, 10, 30^2\})$	237600
30	$\mathcal{O}(1; \{2, 3, 6^2, 10, 30^2\})$	108000
30	$\mathcal{O}(1; \{2^4, 5, 15, 30^2\})$	93600
30	$\mathcal{O}(1; \{3^3, 5, 15, 30^2\})$	1029600
30	$\mathcal{O}(1; \{2, 3, 5, 6, 15, 30^2\})$	468000
30	$\mathcal{O}(1; \{2^2, 10^2, 15, 30^2\})$	367200
30	$\mathcal{O}(1; \{15^4, 30^2\})$	16236000
30	$\mathcal{O}(1; \{2, 3, 5^2, 30^3\})$	1101600
30	$\mathcal{O}(1; \{2, 3^2, 15, 30^3\})$	1029600
30	$\mathcal{O}(1; \{2^2, 6, 15, 30^3\})$	468000
30	$\mathcal{O}(1; \{10, 15^2, 30^3\})$	7380000
30	$\mathcal{O}(1; \{2^2, 5, 30^4\})$	1101600
30	$\mathcal{O}(1; \{10^2, 30^4\})$	4428000
30	$\mathcal{O}(1; \{6, 30^5\})$	4039200
30	$\mathcal{O}(0; \{2^2, 3^4, 5^5\})$	1224
30	$\mathcal{O}(0; \{2^3, 3^2, 5^5, 6\})$	408
30	$\mathcal{O}(0; \{2^4, 5^5, 6^2\})$	408
30	$\mathcal{O}(0; \{3^3, 5^5, 6^2\})$	2040
30	$\mathcal{O}(0; \{2, 3, 5^5, 6^3\})$	1224
30	$\mathcal{O}(0; \{2^5, 3^4, 5^2, 10\})$	72
30	$\mathcal{O}(0; \{2, 3^7, 5^2, 10\})$	504

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 6, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 6, 10\})$	264
30	$\mathcal{O}(0; \{2^7, 5^2, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6^2, 10\})$	120
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^3, 10\})$	72
30	$\mathcal{O}(0; \{3^4, 5^2, 6^3, 10\})$	504
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^4, 10\})$	264
30	$\mathcal{O}(0; \{2^2, 5^2, 6^5, 10\})$	120
30	$\mathcal{O}(0; \{3^4, 5^4, 10^2\})$	4920
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6, 10^2\})$	1640
30	$\mathcal{O}(0; \{2^2, 5^4, 6^2, 10^2\})$	1640
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 10^3\})$	312
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 10^3\})$	104
30	$\mathcal{O}(0; \{3^5, 5, 6, 10^3\})$	1144
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 10^3\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 10^3\})$	520
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 10^3\})$	312
30	$\mathcal{O}(0; \{5, 6^5, 10^3\})$	520
30	$\mathcal{O}(0; \{5^3, 6^2, 10^4\})$	6552
30	$\mathcal{O}(0; \{2, 3^4, 10^5\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^5\})$	408
30	$\mathcal{O}(0; \{2^3, 6^2, 10^5\})$	408
30	$\mathcal{O}(0; \{3, 6^3, 10^5\})$	1224
30	$\mathcal{O}(0; \{2^6, 3^2, 5^3, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 5^3, 15\})$	1144
30	$\mathcal{O}(0; \{2^7, 5^3, 6, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5^3, 6, 15\})$	520
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 6^2, 15\})$	312
30	$\mathcal{O}(0; \{3^4, 5^3, 6^2, 15\})$	2184
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6^3, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 5^3, 6^4, 15\})$	520
30	$\mathcal{O}(0; \{2^9, 3^2, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^5, 3^5, 10, 15\})$	88
30	$\mathcal{O}(0; \{2, 3^8, 10, 15\})$	680
30	$\mathcal{O}(0; \{2, 3^2, 5^5, 10, 15\})$	6552
30	$\mathcal{O}(0; \{2^{10}, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^6, 3^3, 6, 10, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 3^6, 6, 10, 15\})$	344
30	$\mathcal{O}(0; \{2^2, 5^5, 6, 10, 15\})$	6552
30	$\mathcal{O}(0; \{2^7, 3, 6^2, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 10, 15\})$	168
30	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 10, 15\})$	88
30	$\mathcal{O}(0; \{3^5, 6^3, 10, 15\})$	680

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^5, 6^4, 10, 15\})$	40
30	$\mathcal{O}(0; \{2, 3^3, 6^4, 10, 15\})$	344
30	$\mathcal{O}(0; \{2^2, 3, 6^5, 10, 15\})$	168
30	$\mathcal{O}(0; \{6^7, 10, 15\})$	344
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{3^5, 5^2, 10^2, 15\})$	4488
30	$\mathcal{O}(0; \{2^5, 5^2, 6, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6, 10^2, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2, 10^2, 15\})$	1224
30	$\mathcal{O}(0; \{5^2, 6^4, 10^2, 15\})$	2040
30	$\mathcal{O}(0; \{5^4, 6, 10^3, 15\})$	26216
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^4, 15\})$	1640
30	$\mathcal{O}(0; \{2^3, 5, 6, 10^4, 15\})$	1640
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^4, 15\})$	4920
30	$\mathcal{O}(0; \{3^2, 10^6, 15\})$	6552
30	$\mathcal{O}(0; \{2, 6, 10^6, 15\})$	6552
30	$\mathcal{O}(0; \{2^{10}, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 15^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 5^6, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 5, 6, 15^2\})$	72
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6, 15^2\})$	504
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^2, 15^2\})$	264
30	$\mathcal{O}(0; \{3^5, 5, 6^2, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^5, 5, 6^3, 15^2\})$	120
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^3, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^4, 15^2\})$	504
30	$\mathcal{O}(0; \{5, 6^6, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^5, 5^3, 10, 15^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 10, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 10, 15^2\})$	4920
30	$\mathcal{O}(0; \{5^3, 6^3, 10, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^8, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 10^2, 15^2\})$	520
30	$\mathcal{O}(0; \{3^6, 10^2, 15^2\})$	4472
30	$\mathcal{O}(0; \{5^5, 10^2, 15^2\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 6, 10^2, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3^4, 6, 10^2, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10^2, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 6^3, 10^2, 15^2\})$	520
30	$\mathcal{O}(0; \{3, 6^4, 10^2, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 5^2, 10^3, 15^2\})$	6552
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^3, 15^2\})$	19656

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 5, 10^5, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 15^3\})$	19656
30	$\mathcal{O}(0; \{5^4, 6^2, 15^3\})$	32760
30	$\mathcal{O}(0; \{2^5, 3, 5, 10, 15^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^4, 5, 10, 15^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10, 15^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 10, 15^3\})$	2040
30	$\mathcal{O}(0; \{3, 5, 6^3, 10, 15^3\})$	8568
30	$\mathcal{O}(0; \{3, 5^3, 10^2, 15^3\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 10^3, 15^3\})$	4920
30	$\mathcal{O}(0; \{3^2, 6, 10^3, 15^3\})$	18040
30	$\mathcal{O}(0; \{2, 6^2, 10^3, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 15^4\})$	18040
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 15^4\})$	8200
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 15^4\})$	34440
30	$\mathcal{O}(0; \{3^2, 5, 10^2, 15^4\})$	72072
30	$\mathcal{O}(0; \{2, 5, 6, 10^2, 15^4\})$	32760
30	$\mathcal{O}(0; \{2^6, 15^5\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^3, 15^5\})$	17544
30	$\mathcal{O}(0; \{2^3, 3, 6, 15^5\})$	8568
30	$\mathcal{O}(0; \{3^2, 6^2, 15^5\})$	34680
30	$\mathcal{O}(0; \{2, 6^3, 15^5\})$	17544
30	$\mathcal{O}(0; \{2, 5^2, 10, 15^5\})$	131080
30	$\mathcal{O}(0; \{2, 3, 10, 15^6\})$	137592
30	$\mathcal{O}(0; \{2^3, 3^3, 5^4, 30\})$	1224
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 6, 30\})$	408
30	$\mathcal{O}(0; \{3^4, 5^4, 6, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^4, 6^3, 30\})$	1224
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 10, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 10, 30\})$	504
30	$\mathcal{O}(0; \{2^7, 3, 5, 6, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6, 10, 30\})$	264
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^2, 10, 30\})$	120
30	$\mathcal{O}(0; \{3^5, 5, 6^2, 10, 30\})$	1032
30	$\mathcal{O}(0; \{2^5, 5, 6^3, 10, 30\})$	72
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^3, 10, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^4, 10, 30\})$	264
30	$\mathcal{O}(0; \{5, 6^6, 10, 30\})$	504
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 10^2, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 10^2, 30\})$	1640
30	$\mathcal{O}(0; \{5^3, 6^3, 10^2, 30\})$	4920
30	$\mathcal{O}(0; \{2^4, 3^3, 10^3, 30\})$	312

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^6, 10^3, 30\})$	2184
30	$\mathcal{O}(0; \{2^5, 3, 6, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 6, 10^3, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10^3, 30\})$	520
30	$\mathcal{O}(0; \{2^3, 6^3, 10^3, 30\})$	312
30	$\mathcal{O}(0; \{3, 6^4, 10^3, 30\})$	1144
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^4, 30\})$	6552
30	$\mathcal{O}(0; \{2^7, 3, 5^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5^2, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 6, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^5, 5^2, 6, 15, 30\})$	4472
30	$\mathcal{O}(0; \{2^5, 5^2, 6^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^3, 15, 30\})$	1144
30	$\mathcal{O}(0; \{5^2, 6^5, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 10, 15, 30\})$	6552
30	$\mathcal{O}(0; \{5^4, 6^2, 10, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2^5, 3, 5, 10^2, 15, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5, 10^2, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10^2, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 10^2, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3, 5, 6^3, 10^2, 15, 30\})$	4488
30	$\mathcal{O}(0; \{3, 5^3, 10^3, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^3, 3, 10^4, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3^2, 6, 10^4, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2, 6^2, 10^4, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^7, 3^2, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{2^3, 3^5, 15^2, 30\})$	1032
30	$\mathcal{O}(0; \{2^8, 6, 15^2, 30\})$	72
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 15^2, 30\})$	504
30	$\mathcal{O}(0; \{3^6, 6, 15^2, 30\})$	4104
30	$\mathcal{O}(0; \{5^5, 6, 15^2, 30\})$	78648
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 15^2, 30\})$	1032
30	$\mathcal{O}(0; \{2^3, 6^4, 15^2, 30\})$	504
30	$\mathcal{O}(0; \{3, 6^5, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 10, 15^2, 30\})$	4920
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 10^3, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2, 5, 6, 10^3, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{2^3, 5^3, 15^3, 30\})$	19656

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5^3, 6, 15^3, 30\})$	72072
30	$\mathcal{O}(0; \{2^6, 10, 15^3, 30\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^3, 10, 15^3, 30\})$	8568
30	$\mathcal{O}(0; \{2^3, 3, 6, 10, 15^3, 30\})$	4488
30	$\mathcal{O}(0; \{3^2, 6^2, 10, 15^3, 30\})$	17544
30	$\mathcal{O}(0; \{2, 6^3, 10, 15^3, 30\})$	8568
30	$\mathcal{O}(0; \{2, 5^2, 10^2, 15^3, 30\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 5, 15^4, 30\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 6, 15^4, 30\})$	70520
30	$\mathcal{O}(0; \{2, 5, 6^2, 15^4, 30\})$	34440
30	$\mathcal{O}(0; \{2, 3, 10^2, 15^4, 30\})$	72072
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^5, 5^3, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^5, 5^3, 6, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{5^3, 6^4, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^7, 3^2, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{2^3, 3^5, 10, 30^2\})$	504
30	$\mathcal{O}(0; \{2^8, 6, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 10, 30^2\})$	264
30	$\mathcal{O}(0; \{3^6, 6, 10, 30^2\})$	2040
30	$\mathcal{O}(0; \{5^5, 6, 10, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 10, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 10, 30^2\})$	504
30	$\mathcal{O}(0; \{2^3, 6^4, 10, 30^2\})$	264
30	$\mathcal{O}(0; \{3, 6^5, 10, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 10^2, 30^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{3^2, 5, 10^4, 30^2\})$	19656
30	$\mathcal{O}(0; \{2, 5, 6, 10^4, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^8, 5, 15, 30^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{3^6, 5, 15, 30^2\})$	8840
30	$\mathcal{O}(0; \{5^6, 15, 30^2\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 5, 6, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 3^4, 5, 6, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^2, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 5, 6^3, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{3, 5, 6^4, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^3, 5^3, 10, 15, 30^2\})$	6552

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5^3, 6, 10, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^6, 10^2, 15, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 10^2, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^2, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{3^2, 6^2, 10^2, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 6^3, 10^2, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 5^2, 10^3, 15, 30^2\})$	26216
30	$\mathcal{O}(0; \{3, 5^4, 15^2, 30^2\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 5, 10, 15^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{3^2, 5, 6, 10, 15^2, 30^2\})$	34440
30	$\mathcal{O}(0; \{2, 5, 6^2, 10, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 3, 10^3, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{3^2, 5^2, 15^3, 30^2\})$	137592
30	$\mathcal{O}(0; \{2, 5^2, 6, 15^3, 30^2\})$	72072
30	$\mathcal{O}(0; \{2^4, 15^4, 30^2\})$	18040
30	$\mathcal{O}(0; \{3^3, 15^4, 30^2\})$	139400
30	$\mathcal{O}(0; \{2, 3, 6, 15^4, 30^2\})$	70520
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 30^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 30^3\})$	8568
30	$\mathcal{O}(0; \{3, 5^4, 10, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^2, 30^3\})$	4920
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^2, 30^3\})$	18040
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^2, 30^3\})$	8200
30	$\mathcal{O}(0; \{2, 3, 10^4, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^5, 3^2, 15, 30^3\})$	1144
30	$\mathcal{O}(0; \{2, 3^5, 15, 30^3\})$	8840
30	$\mathcal{O}(0; \{2^6, 6, 15, 30^3\})$	520
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 15, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 15, 30^3\})$	2184
30	$\mathcal{O}(0; \{3^2, 6^3, 15, 30^3\})$	8840
30	$\mathcal{O}(0; \{2, 6^4, 15, 30^3\})$	4472
30	$\mathcal{O}(0; \{3^2, 5^2, 10, 15, 30^3\})$	72072
30	$\mathcal{O}(0; \{2, 5^2, 6, 10, 15, 30^3\})$	32760
30	$\mathcal{O}(0; \{2, 5^3, 15^2, 30^3\})$	131080
30	$\mathcal{O}(0; \{2^4, 10, 15^2, 30^3\})$	8200
30	$\mathcal{O}(0; \{3^3, 10, 15^2, 30^3\})$	70520
30	$\mathcal{O}(0; \{2, 3, 6, 10, 15^2, 30^3\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5, 15^3, 30^3\})$	137592
30	$\mathcal{O}(0; \{2^6, 5, 30^4\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 30^4\})$	8568

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 30^4\})$	4488
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 30^4\})$	17544
30	$\mathcal{O}(0; \{2, 5, 6^3, 30^4\})$	8568
30	$\mathcal{O}(0; \{2, 5^3, 10, 30^4\})$	78648
30	$\mathcal{O}(0; \{2^4, 10^2, 30^4\})$	4920
30	$\mathcal{O}(0; \{3^3, 10^2, 30^4\})$	34440
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 30^4\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15, 30^4\})$	72072
30	$\mathcal{O}(0; \{2^2, 15^3, 30^4\})$	137592
30	$\mathcal{O}(0; \{2^3, 3^2, 30^5\})$	8568
30	$\mathcal{O}(0; \{2^4, 6, 30^5\})$	4488
30	$\mathcal{O}(0; \{3^3, 6, 30^5\})$	34680
30	$\mathcal{O}(0; \{2, 3, 6^2, 30^5\})$	17544
30	$\mathcal{O}(0; \{2^2, 10, 15, 30^5\})$	72072
30	$\mathcal{O}(0; \{15^2, 30^6\})$	1127288
30	$\mathcal{O}(0; \{10, 30^7\})$	550536
32	$\mathcal{O}(2; \{2, 8, 32^2\})$	67108864
32	$\mathcal{O}(1; \{2^5, 8, 32^2\})$	65536
32	$\mathcal{O}(1; \{2^2, 4^2, 8, 32^2\})$	262144
32	$\mathcal{O}(1; \{4, 8^3, 32^2\})$	2097152
32	$\mathcal{O}(1; \{2^3, 16^2, 32^2\})$	1048576
32	$\mathcal{O}(1; \{4^2, 16^2, 32^2\})$	4194304
32	$\mathcal{O}(1; \{2, 16, 32^4\})$	33554432
32	$\mathcal{O}(0; \{2^9, 8, 32^2\})$	64
32	$\mathcal{O}(0; \{2^6, 4^2, 8, 32^2\})$	256
32	$\mathcal{O}(0; \{2^3, 4^4, 8, 32^2\})$	1024
32	$\mathcal{O}(0; \{4^6, 8, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^4, 4, 8^3, 32^2\})$	2048
32	$\mathcal{O}(0; \{2, 4^3, 8^3, 32^2\})$	8192
32	$\mathcal{O}(0; \{2^2, 8^5, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^7, 16^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^4, 4^2, 16^2, 32^2\})$	4096
32	$\mathcal{O}(0; \{2, 4^4, 16^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^2, 4, 8^2, 16^2, 32^2\})$	32768
32	$\mathcal{O}(0; \{8^4, 16^2, 32^2\})$	262144
32	$\mathcal{O}(0; \{4, 8, 16^4, 32^2\})$	524288
32	$\mathcal{O}(0; \{2^5, 16, 32^4\})$	32768
32	$\mathcal{O}(0; \{2^2, 4^2, 16, 32^4\})$	131072
32	$\mathcal{O}(0; \{4, 8^2, 16, 32^4\})$	1048576
32	$\mathcal{O}(0; \{2^3, 32^6\})$	1048576
32	$\mathcal{O}(0; \{4^2, 32^6\})$	4194304
33	$\mathcal{O}(2; \{3^2, 11^2\})$	23718420
33	$\mathcal{O}(1; \{3^5, 11^2\})$	108900

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
33	$\mathcal{O}(1; \{3^2, 11, 33^3\})$	9909900
33	$\mathcal{O}(0; \{3^8, 11^2\})$	860
33	$\mathcal{O}(0; \{3, 11^5, 33^2\})$	1818180
33	$\mathcal{O}(0; \{3^5, 11, 33^3\})$	78260
33	$\mathcal{O}(0; \{3^2, 33^6\})$	7818260
34	$\mathcal{O}(3; \{2^2\})$	1544804352
34	$\mathcal{O}(2; \{2^6\})$	1336320
34	$\mathcal{O}(1; \{2^{10}\})$	1152
35	$\mathcal{O}(1; \{35^5\})$	277389000
35	$\mathcal{O}(0; \{5^2, 7^5, 35\})$	79992
35	$\mathcal{O}(0; \{5^4, 7^2, 35^2\})$	152520
36	$\mathcal{O}(1; \{2, 4^2, 9^2, 18\})$	46656
36	$\mathcal{O}(1; \{3^2, 4^2, 18^2\})$	62208
36	$\mathcal{O}(1; \{2, 4^2, 6, 18^2\})$	31104
36	$\mathcal{O}(1; \{2, 3, 4, 12, 18^2\})$	62208
36	$\mathcal{O}(1; \{2^2, 12^2, 18^2\})$	62208
36	$\mathcal{O}(1; \{2, 3, 4, 9, 18, 36\})$	93312
36	$\mathcal{O}(1; \{2^2, 9, 12, 18, 36\})$	93312
36	$\mathcal{O}(1; \{12, 18^3, 36\})$	839808
36	$\mathcal{O}(1; \{2^2, 9^2, 36^2\})$	419904
36	$\mathcal{O}(1; \{2, 3^2, 18, 36^2\})$	186624
36	$\mathcal{O}(1; \{2^2, 6, 18, 36^2\})$	93312
36	$\mathcal{O}(1; \{12^2, 18, 36^2\})$	746496
36	$\mathcal{O}(1; \{9, 18^2, 36^2\})$	2099520
36	$\mathcal{O}(1; \{9, 12, 36^3\})$	3359232
36	$\mathcal{O}(1; \{6, 36^4\})$	3359232
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^4\})$	648
36	$\mathcal{O}(0; \{4^2, 6^2, 9^4\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 9^4, 12\})$	648
36	$\mathcal{O}(0; \{4^3, 9^4, 12\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6, 9^4, 12\})$	2592
36	$\mathcal{O}(0; \{3^2, 9^4, 12^2\})$	5184
36	$\mathcal{O}(0; \{2, 6, 9^4, 12^2\})$	2592
36	$\mathcal{O}(0; \{2^5, 4^2, 9^2, 18\})$	36
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{2^2, 4^4, 9^2, 18\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 9^2, 18\})$	144
36	$\mathcal{O}(0; \{4^2, 6^3, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9^2, 12, 18\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6, 9^2, 12, 18\})$	144
36	$\mathcal{O}(0; \{4^3, 6, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^2, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 9^2, 12^2, 18\})$	288

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4^2, 9^2, 12^2, 18\})$	1152
36	$\mathcal{O}(0; \{3^2, 6, 9^2, 12^2, 18\})$	1152
36	$\mathcal{O}(0; \{2, 6^2, 9^2, 12^2, 18\})$	576
36	$\mathcal{O}(0; \{2, 4, 9^2, 12^3, 18\})$	1152
36	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 18^2\})$	48
36	$\mathcal{O}(0; \{3^5, 4^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4^4, 18^2\})$	192
36	$\mathcal{O}(0; \{2^5, 4^2, 6, 18^2\})$	24
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 18^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^4, 6, 18^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 18^2\})$	96
36	$\mathcal{O}(0; \{4^2, 6^4, 18^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 9^3, 18^2\})$	3240
36	$\mathcal{O}(0; \{2^5, 3, 4, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 3^4, 4, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{4^3, 6^2, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{3, 4, 6^3, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 4, 9^3, 12, 18^2\})$	3240
36	$\mathcal{O}(0; \{2^6, 12^2, 18^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3^3, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2^3, 4^2, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{4^4, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 6, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{3, 4^2, 6, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{3^2, 6^2, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2, 6^3, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{3^2, 4, 12^3, 18^2\})$	1536
36	$\mathcal{O}(0; \{2, 4, 6, 12^3, 18^2\})$	768
36	$\mathcal{O}(0; \{2, 3, 12^4, 18^2\})$	1536
36	$\mathcal{O}(0; \{2^3, 4^2, 9, 18^3\})$	324
36	$\mathcal{O}(0; \{4^4, 9, 18^3\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9, 18^3\})$	1296
36	$\mathcal{O}(0; \{3^2, 4, 9, 12, 18^3\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6, 9, 12, 18^3\})$	1296
36	$\mathcal{O}(0; \{2, 3, 9, 12^2, 18^3\})$	2592
36	$\mathcal{O}(0; \{2, 4^2, 18^5\})$	1620
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9^3, 36\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 6, 9^3, 36\})$	648
36	$\mathcal{O}(0; \{4^3, 6, 9^3, 36\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6^2, 9^3, 36\})$	2592

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3, 9^3, 12, 36\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 9^3, 12, 36\})$	5184
36	$\mathcal{O}(0; \{3^2, 6, 9^3, 12, 36\})$	5184
36	$\mathcal{O}(0; \{2, 6^2, 9^3, 12, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 9^3, 12^2, 36\})$	5184
36	$\mathcal{O}(0; \{2^5, 3, 4, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^4, 4, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{4^3, 6^2, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^3, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 9^4, 18, 36\})$	10692
36	$\mathcal{O}(0; \{2^6, 9, 12, 18, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 3^3, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 4^2, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{4^4, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2^3, 3, 6, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{3^2, 6^2, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 6^3, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 9, 12^2, 18, 36\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6, 9, 12^2, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 9, 12^3, 18, 36\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 18^2, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 18^2, 36\})$	3240
36	$\mathcal{O}(0; \{2, 3, 9^2, 12, 18^2, 36\})$	6480
36	$\mathcal{O}(0; \{2^3, 3, 4, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{3, 4^3, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{3^2, 4, 6, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6^2, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{2^4, 12, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{3^3, 12, 18^3, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4^2, 12, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2, 3, 6, 12, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2^6, 9^2, 36^2\})$	324
36	$\mathcal{O}(0; \{2^2, 3^3, 9^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^3, 4^2, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{4^4, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^3, 3, 6, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{3^2, 6^2, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 6^3, 9^2, 36^2\})$	2592

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 12, 36^2\})$	10368
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 12, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 3, 9^2, 12^2, 36^2\})$	10368
36	$\mathcal{O}(0; \{2^5, 3^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^5, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^6, 6, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{2^2, 3^3, 6, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 4^2, 6, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{4^4, 6, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 3, 6^2, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6^2, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 6^3, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2, 6^4, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 9^3, 18, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^3, 3, 4, 12, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{3, 4^3, 12, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 6, 12, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6^2, 12, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^4, 12^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{3^3, 12^2, 18, 36^2\})$	4608
36	$\mathcal{O}(0; \{2, 4^2, 12^2, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 3, 6, 12^2, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^4, 9, 18^2, 36^2\})$	1620
36	$\mathcal{O}(0; \{3^3, 9, 18^2, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 4^2, 9, 18^2, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 3, 6, 9, 18^2, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^2, 18^4, 36^2\})$	10692
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 36^3\})$	2592
36	$\mathcal{O}(0; \{3, 4^3, 9, 36^3\})$	10368
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 36^3\})$	5184
36	$\mathcal{O}(0; \{2^4, 9, 12, 36^3\})$	2592
36	$\mathcal{O}(0; \{3^3, 9, 12, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 4^2, 9, 12, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 3, 4, 18^2, 36^3\})$	12960
36	$\mathcal{O}(0; \{2^2, 12, 18^2, 36^3\})$	12960
36	$\mathcal{O}(0; \{2^3, 3^2, 36^4\})$	5184
36	$\mathcal{O}(0; \{3^2, 4^2, 36^4\})$	20736
36	$\mathcal{O}(0; \{2^4, 6, 36^4\})$	2592
36	$\mathcal{O}(0; \{3^3, 6, 36^4\})$	20736
36	$\mathcal{O}(0; \{2, 4^2, 6, 36^4\})$	10368

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3, 6^2, 36^4\})$	10368
36	$\mathcal{O}(0; \{2, 3, 4, 12, 36^4\})$	20736
36	$\mathcal{O}(0; \{2^2, 12^2, 36^4\})$	20736
36	$\mathcal{O}(0; \{2^2, 9, 18, 36^4\})$	42768
36	$\mathcal{O}(0; \{18^3, 36^4\})$	244944
36	$\mathcal{O}(0; \{12, 18, 36^5\})$	342144
36	$\mathcal{O}(0; \{9, 36^6\})$	979776
39	$\mathcal{O}(0; \{3^4, 13^4\})$	9576
39	$\mathcal{O}(0; \{3, 13^3, 39^3\})$	1378152
40	$\mathcal{O}(2; \{2, 8^2\})$	10223616
40	$\mathcal{O}(1; \{2^5, 8^2\})$	6144
40	$\mathcal{O}(1; \{2^2, 4^2, 8^2\})$	24576
40	$\mathcal{O}(1; \{4, 8^4\})$	196608
40	$\mathcal{O}(1; \{5^2, 8^2, 10\})$	76800
40	$\mathcal{O}(1; \{4, 5, 8^2, 20\})$	102400
40	$\mathcal{O}(1; \{5^3, 8, 40\})$	332800
40	$\mathcal{O}(1; \{2^3, 8, 10, 40\})$	25600
40	$\mathcal{O}(1; \{4^2, 8, 10, 40\})$	102400
40	$\mathcal{O}(1; \{2, 8, 20^2, 40\})$	307200
40	$\mathcal{O}(1; \{2^3, 5, 40^2\})$	76800
40	$\mathcal{O}(1; \{4^2, 5, 40^2\})$	307200
40	$\mathcal{O}(1; \{2, 10^2, 40^2\})$	332800
40	$\mathcal{O}(0; \{2, 5^5, 8^2\})$	816
40	$\mathcal{O}(0; \{2^4, 5^2, 8^2, 10\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 5^2, 8^2, 10\})$	192
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 10^3\})$	208
40	$\mathcal{O}(0; \{8^2, 10^5\})$	816
40	$\mathcal{O}(0; \{2^4, 4, 5, 8^2, 20\})$	64
40	$\mathcal{O}(0; \{2, 4^3, 5, 8^2, 20\})$	256
40	$\mathcal{O}(0; \{2^2, 5, 8^4, 20\})$	512
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 10^2, 20\})$	192
40	$\mathcal{O}(0; \{8^4, 10^2, 20\})$	1536
40	$\mathcal{O}(0; \{2^2, 5^2, 8^2, 20^2\})$	832
40	$\mathcal{O}(0; \{5, 8^2, 10^2, 20^2\})$	3264
40	$\mathcal{O}(0; \{4, 8^2, 10, 20^3\})$	3328
40	$\mathcal{O}(0; \{2^4, 5^3, 8, 40\})$	208
40	$\mathcal{O}(0; \{2, 4^2, 5^3, 8, 40\})$	832
40	$\mathcal{O}(0; \{2^7, 8, 10, 40\})$	16
40	$\mathcal{O}(0; \{2^4, 4^2, 8, 10, 40\})$	64
40	$\mathcal{O}(0; \{2, 4^4, 8, 10, 40\})$	256
40	$\mathcal{O}(0; \{2^2, 4, 8^3, 10, 40\})$	512
40	$\mathcal{O}(0; \{8^5, 10, 40\})$	4096
40	$\mathcal{O}(0; \{2^2, 5^2, 8, 10^2, 40\})$	816

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{5, 8, 10^4, 40\})$	3280
40	$\mathcal{O}(0; \{2^2, 4, 5, 8, 10, 20, 40\})$	832
40	$\mathcal{O}(0; \{5, 8^3, 10, 20, 40\})$	6656
40	$\mathcal{O}(0; \{4, 8, 10^3, 20, 40\})$	3264
40	$\mathcal{O}(0; \{2^5, 8, 20^2, 40\})$	192
40	$\mathcal{O}(0; \{2^2, 4^2, 8, 20^2, 40\})$	768
40	$\mathcal{O}(0; \{4, 8^3, 20^2, 40\})$	6144
40	$\mathcal{O}(0; \{5^2, 8, 10, 20^2, 40\})$	13120
40	$\mathcal{O}(0; \{4, 5, 8, 20^3, 40\})$	13056
40	$\mathcal{O}(0; \{2^7, 5, 40^2\})$	48
40	$\mathcal{O}(0; \{2^4, 4^2, 5, 40^2\})$	192
40	$\mathcal{O}(0; \{2, 4^4, 5, 40^2\})$	768
40	$\mathcal{O}(0; \{2^2, 4, 5, 8^2, 40^2\})$	1536
40	$\mathcal{O}(0; \{5, 8^4, 40^2\})$	12288
40	$\mathcal{O}(0; \{2^2, 5^3, 10, 40^2\})$	3280
40	$\mathcal{O}(0; \{2^5, 10^2, 40^2\})$	208
40	$\mathcal{O}(0; \{2^2, 4^2, 10^2, 40^2\})$	832
40	$\mathcal{O}(0; \{4, 8^2, 10^2, 40^2\})$	6656
40	$\mathcal{O}(0; \{5^2, 10^3, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^2, 4, 5^2, 20, 40^2\})$	3264
40	$\mathcal{O}(0; \{5^2, 8^2, 20, 40^2\})$	26112
40	$\mathcal{O}(0; \{4, 5, 10^2, 20, 40^2\})$	13120
40	$\mathcal{O}(0; \{5^3, 20^2, 40^2\})$	52416
40	$\mathcal{O}(0; \{2^3, 10, 20^2, 40^2\})$	3264
40	$\mathcal{O}(0; \{4^2, 10, 20^2, 40^2\})$	13056
40	$\mathcal{O}(0; \{2, 20^4, 40^2\})$	52480
40	$\mathcal{O}(0; \{4, 5, 8, 10, 40^3\})$	26112
40	$\mathcal{O}(0; \{2^3, 8, 20, 40^3\})$	6656
40	$\mathcal{O}(0; \{4^2, 8, 20, 40^3\})$	26624
40	$\mathcal{O}(0; \{4, 5^2, 40^4\})$	104960
40	$\mathcal{O}(0; \{2, 10, 20, 40^4\})$	104960
40	$\mathcal{O}(0; \{2, 8, 40^5\})$	208896
42	$\mathcal{O}(1; \{2^2, 3^2, 7^2\})$	21168
42	$\mathcal{O}(1; \{3, 6^2, 7^2\})$	21168
42	$\mathcal{O}(1; \{3^2, 7, 14^2\})$	105840
42	$\mathcal{O}(1; \{2^3, 3, 14, 21\})$	21168
42	$\mathcal{O}(1; \{3^2, 6, 14, 21\})$	63504
42	$\mathcal{O}(1; \{2, 6^2, 14, 21\})$	21168
42	$\mathcal{O}(1; \{2, 3, 21^2, 42\})$	317520
42	$\mathcal{O}(1; \{2, 3, 14, 42^2\})$	105840
42	$\mathcal{O}(0; \{2^6, 3^2, 7^2\})$	12
42	$\mathcal{O}(0; \{2^2, 3^5, 7^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3^3, 6, 7^2\})$	36

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^4, 3, 6^2, 7^2\})$	12
42	$\mathcal{O}(0; \{3^4, 6^2, 7^2\})$	132
42	$\mathcal{O}(0; \{2, 3^2, 6^3, 7^2\})$	60
42	$\mathcal{O}(0; \{2^2, 6^4, 7^2\})$	36
42	$\mathcal{O}(0; \{2^4, 3^2, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{3^5, 7, 14^2\})$	300
42	$\mathcal{O}(0; \{2, 3^3, 6, 7, 14^2\})$	180
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{6^4, 7, 14^2\})$	180
42	$\mathcal{O}(0; \{2^2, 3^2, 14^4\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 14^4\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 7^4, 21\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^4, 21\})$	2220
42	$\mathcal{O}(0; \{2^7, 3, 14, 21\})$	12
42	$\mathcal{O}(0; \{2^3, 3^4, 14, 21\})$	60
42	$\mathcal{O}(0; \{2^4, 3^2, 6, 14, 21\})$	36
42	$\mathcal{O}(0; \{3^5, 6, 14, 21\})$	252
42	$\mathcal{O}(0; \{2^5, 6^2, 14, 21\})$	12
42	$\mathcal{O}(0; \{2, 3^3, 6^2, 14, 21\})$	132
42	$\mathcal{O}(0; \{2^2, 3, 6^3, 14, 21\})$	60
42	$\mathcal{O}(0; \{6^5, 14, 21\})$	132
42	$\mathcal{O}(0; \{3, 7^3, 14^2, 21\})$	13332
42	$\mathcal{O}(0; \{2^3, 7^2, 14, 21^2\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7^2, 14, 21^2\})$	6660
42	$\mathcal{O}(0; \{2, 7, 14^3, 21^2\})$	13332
42	$\mathcal{O}(0; \{2^2, 3^2, 7, 21^3\})$	1860
42	$\mathcal{O}(0; \{2^3, 6, 7, 21^3\})$	1116
42	$\mathcal{O}(0; \{3, 6^2, 7, 21^3\})$	4092
42	$\mathcal{O}(0; \{3^2, 14^2, 21^3\})$	11100
42	$\mathcal{O}(0; \{2, 6, 14^2, 21^3\})$	6660
42	$\mathcal{O}(0; \{2, 3^3, 7^3, 42\})$	1116
42	$\mathcal{O}(0; \{2^2, 3, 6, 7^3, 42\})$	372
42	$\mathcal{O}(0; \{6^3, 7^3, 42\})$	1116
42	$\mathcal{O}(0; \{3, 6, 7^2, 14^2, 42\})$	2220
42	$\mathcal{O}(0; \{2^2, 3^2, 7, 14, 21, 42\})$	1116
42	$\mathcal{O}(0; \{2^3, 6, 7, 14, 21, 42\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 7, 14, 21, 42\})$	1860
42	$\mathcal{O}(0; \{3^2, 14^3, 21, 42\})$	6660
42	$\mathcal{O}(0; \{2, 6, 14^3, 21, 42\})$	2220
42	$\mathcal{O}(0; \{2^5, 3, 21^2, 42\})$	180
42	$\mathcal{O}(0; \{2, 3^4, 21^2, 42\})$	1260
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 21^2, 42\})$	660
42	$\mathcal{O}(0; \{2^3, 6^2, 21^2, 42\})$	300

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3, 6^3, 21^2, 42\})$	1260
42	$\mathcal{O}(0; \{2, 7^2, 21^3, 42\})$	39996
42	$\mathcal{O}(0; \{3, 7^4, 42^2\})$	13332
42	$\mathcal{O}(0; \{2^5, 3, 14, 42^2\})$	60
42	$\mathcal{O}(0; \{2, 3^4, 14, 42^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 14, 42^2\})$	300
42	$\mathcal{O}(0; \{2^3, 6^2, 14, 42^2\})$	180
42	$\mathcal{O}(0; \{3, 6^3, 14, 42^2\})$	660
42	$\mathcal{O}(0; \{2, 7^2, 14, 21, 42^2\})$	13332
42	$\mathcal{O}(0; \{3^2, 7, 21^2, 42^2\})$	24420
42	$\mathcal{O}(0; \{2, 6, 7, 21^2, 42^2\})$	11100
42	$\mathcal{O}(0; \{3^2, 7, 14, 42^3\})$	11100
42	$\mathcal{O}(0; \{2, 6, 7, 14, 42^3\})$	6660
42	$\mathcal{O}(0; \{2^3, 3, 21, 42^3\})$	1860
42	$\mathcal{O}(0; \{3^2, 6, 21, 42^3\})$	7812
42	$\mathcal{O}(0; \{2, 6^2, 21, 42^3\})$	4092
42	$\mathcal{O}(0; \{2, 3, 42^5\})$	24420
43	$\mathcal{O}(2; \{43^2\})$	143589642
44	$\mathcal{O}(1; \{2, 4^2, 11, 22\})$	38720
44	$\mathcal{O}(1; \{2^2, 11, 44^2\})$	348480
44	$\mathcal{O}(1; \{22^2, 44^2\})$	3523520
44	$\mathcal{O}(0; \{2^5, 4^2, 11, 22\})$	20
44	$\mathcal{O}(0; \{2^2, 4^4, 11, 22\})$	80
44	$\mathcal{O}(0; \{2^3, 4^2, 22^3\})$	180
44	$\mathcal{O}(0; \{4^4, 22^3\})$	720
44	$\mathcal{O}(0; \{2, 4, 11^4, 44\})$	18180
44	$\mathcal{O}(0; \{2^6, 11, 44^2\})$	180
44	$\mathcal{O}(0; \{2^3, 4^2, 11, 44^2\})$	720
44	$\mathcal{O}(0; \{4^4, 11, 44^2\})$	2880
44	$\mathcal{O}(0; \{2^4, 22^2, 44^2\})$	1820
44	$\mathcal{O}(0; \{2, 4^2, 22^2, 44^2\})$	7280
44	$\mathcal{O}(0; \{2^2, 22, 44^4\})$	72720
44	$\mathcal{O}(0; \{44^6\})$	2909120
45	$\mathcal{O}(2; \{9^2\})$	24564384
45	$\mathcal{O}(1; \{3^3, 9^2\})$	93312
45	$\mathcal{O}(1; \{9, 15, 45^2\})$	874800
45	$\mathcal{O}(0; \{5^5, 9^2\})$	1224
45	$\mathcal{O}(0; \{3, 5^3, 9^2, 15\})$	1248
45	$\mathcal{O}(0; \{3^2, 5, 9^2, 15^2\})$	1152
45	$\mathcal{O}(0; \{3^2, 5, 9^3, 45\})$	2592
45	$\mathcal{O}(0; \{3^2, 5^2, 9, 45^2\})$	3744
45	$\mathcal{O}(0; \{3^3, 9, 15, 45^2\})$	3456
45	$\mathcal{O}(0; \{15^2, 45^4\})$	531360

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
45	$\mathcal{O}(0; \{9, 45^5\})$	1090584
48	$\mathcal{O}(1; \{6^2, 16^2\})$	36864
48	$\mathcal{O}(1; \{3, 16, 24, 48\})$	147456
48	$\mathcal{O}(1; \{4, 6, 48^2\})$	73728
48	$\mathcal{O}(1; \{3, 12, 48^2\})$	221184
48	$\mathcal{O}(0; \{2^2, 3^4, 16^2\})$	48
48	$\mathcal{O}(0; \{2^3, 3^2, 6, 16^2\})$	16
48	$\mathcal{O}(0; \{3^2, 4^2, 6, 16^2\})$	64
48	$\mathcal{O}(0; \{2^4, 6^2, 16^2\})$	16
48	$\mathcal{O}(0; \{3^3, 6^2, 16^2\})$	80
48	$\mathcal{O}(0; \{2, 4^2, 6^2, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 3, 6^3, 16^2\})$	48
48	$\mathcal{O}(0; \{3^3, 4, 12, 16^2\})$	192
48	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 3^2, 12^2, 16^2\})$	192
48	$\mathcal{O}(0; \{2^2, 6, 12^2, 16^2\})$	64
48	$\mathcal{O}(0; \{12^4, 16^2\})$	768
48	$\mathcal{O}(0; \{2, 3^2, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2^2, 6, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{8, 12^2, 16^2, 24\})$	1024
48	$\mathcal{O}(0; \{6, 16^4, 24\})$	4096
48	$\mathcal{O}(0; \{2^2, 4, 16^2, 24^2\})$	512
48	$\mathcal{O}(0; \{8^2, 16^2, 24^2\})$	4096
48	$\mathcal{O}(0; \{6, 12, 16^2, 24^2\})$	1536
48	$\mathcal{O}(0; \{3^3, 4, 8, 16, 48\})$	384
48	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 8, 12, 16, 48\})$	384
48	$\mathcal{O}(0; \{2^2, 6, 8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{8, 12^3, 16, 48\})$	1536
48	$\mathcal{O}(0; \{6, 12, 16^3, 48\})$	2048
48	$\mathcal{O}(0; \{2^4, 3, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{3^4, 16, 24, 48\})$	704
48	$\mathcal{O}(0; \{2, 3, 4^2, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 6, 16, 24, 48\})$	320
48	$\mathcal{O}(0; \{2^2, 6^2, 16, 24, 48\})$	192
48	$\mathcal{O}(0; \{2^2, 4, 12, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{8^2, 12, 16, 24, 48\})$	2048
48	$\mathcal{O}(0; \{6, 12^2, 16, 24, 48\})$	1280
48	$\mathcal{O}(0; \{6, 8, 16, 24^2, 48\})$	3072
48	$\mathcal{O}(0; \{4, 16, 24^3, 48\})$	6144
48	$\mathcal{O}(0; \{2^3, 3^2, 4, 48^2\})$	96
48	$\mathcal{O}(0; \{3^2, 4^3, 48^2\})$	384
48	$\mathcal{O}(0; \{2^4, 4, 6, 48^2\})$	32

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3^3, 4, 6, 48^2\})$	352
48	$\mathcal{O}(0; \{2, 4^3, 6, 48^2\})$	128
48	$\mathcal{O}(0; \{2, 3, 4, 6^2, 48^2\})$	160
48	$\mathcal{O}(0; \{2, 3^2, 8^2, 48^2\})$	768
48	$\mathcal{O}(0; \{2^2, 6, 8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{2^4, 3, 12, 48^2\})$	96
48	$\mathcal{O}(0; \{3^4, 12, 48^2\})$	672
48	$\mathcal{O}(0; \{2, 3, 4^2, 12, 48^2\})$	384
48	$\mathcal{O}(0; \{2, 3^2, 6, 12, 48^2\})$	352
48	$\mathcal{O}(0; \{2^2, 6^2, 12, 48^2\})$	160
48	$\mathcal{O}(0; \{2^2, 4, 12^2, 48^2\})$	384
48	$\mathcal{O}(0; \{8^2, 12^2, 48^2\})$	3072
48	$\mathcal{O}(0; \{6, 12^3, 48^2\})$	1408
48	$\mathcal{O}(0; \{6, 8, 16^2, 48^2\})$	4096
48	$\mathcal{O}(0; \{2^2, 4, 8, 24, 48^2\})$	512
48	$\mathcal{O}(0; \{8^3, 24, 48^2\})$	4096
48	$\mathcal{O}(0; \{6, 8, 12, 24, 48^2\})$	2560
48	$\mathcal{O}(0; \{4, 16^2, 24, 48^2\})$	8192
48	$\mathcal{O}(0; \{2^2, 3, 24^2, 48^2\})$	1280
48	$\mathcal{O}(0; \{6^2, 24^2, 48^2\})$	2816
48	$\mathcal{O}(0; \{4, 12, 24^2, 48^2\})$	5120
48	$\mathcal{O}(0; \{2^2, 3, 16, 48^3\})$	3072
48	$\mathcal{O}(0; \{6^2, 16, 48^3\})$	5120
48	$\mathcal{O}(0; \{4, 12, 16, 48^3\})$	12288
48	$\mathcal{O}(0; \{4, 8, 48^4\})$	24576
48	$\mathcal{O}(0; \{3, 24, 48^4\})$	45056
50	$\mathcal{O}(1; \{2^2, 5^3\})$	28800
50	$\mathcal{O}(1; \{5^2, 10^2\})$	124800
50	$\mathcal{O}(1; \{2, 25^2, 50\})$	750000
50	$\mathcal{O}(0; \{2^5, 25^2, 50\})$	300
50	$\mathcal{O}(0; \{5^2, 10, 25^2, 50\})$	19200
50	$\mathcal{O}(0; \{2^3, 25, 50^3\})$	6500
50	$\mathcal{O}(0; \{2, 50^5\})$	127500
51	$\mathcal{O}(2; \{3^2\})$	13530240
51	$\mathcal{O}(1; \{3^5\})$	25920
52	$\mathcal{O}(0; \{2^2, 4^2, 13^3\})$	264
52	$\mathcal{O}(0; \{4^2, 13^2, 26^2\})$	3192
52	$\mathcal{O}(0; \{2, 13^2, 26, 52^2\})$	38280
54	$\mathcal{O}(0; \{2^2, 3^2, 9, 27^2\})$	432
54	$\mathcal{O}(0; \{2^3, 6, 9, 27^2\})$	216
54	$\mathcal{O}(0; \{3, 6^2, 9, 27^2\})$	864
54	$\mathcal{O}(0; \{2, 9^2, 18, 27^2\})$	3888
54	$\mathcal{O}(0; \{3^2, 18^2, 27^2\})$	2592

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
54	$\mathcal{O}(0; \{2, 6, 18^2, 27^2\})$	1296
54	$\mathcal{O}(0; \{3^2, 9, 27, 54^2\})$	3888
54	$\mathcal{O}(0; \{2, 6, 9, 27, 54^2\})$	1944
55	$\mathcal{O}(0; \{5^4, 11, 55\})$	2040
56	$\mathcal{O}(0; \{2^3, 7, 8^2, 14\})$	24
56	$\mathcal{O}(0; \{4^2, 7, 8^2, 14\})$	96
56	$\mathcal{O}(0; \{2, 8^2, 14^3\})$	120
56	$\mathcal{O}(0; \{2, 7, 8^2, 28^2\})$	480
56	$\mathcal{O}(0; \{2^3, 4, 8, 14, 56\})$	48
56	$\mathcal{O}(0; \{4^3, 8, 14, 56\})$	192
56	$\mathcal{O}(0; \{2, 8^3, 14, 56\})$	384
56	$\mathcal{O}(0; \{2, 7^2, 8, 28, 56\})$	1488
56	$\mathcal{O}(0; \{2, 4, 8, 28^2, 56\})$	960
56	$\mathcal{O}(0; \{2, 7^3, 56^2\})$	4440
56	$\mathcal{O}(0; \{2, 4, 7, 28, 56^2\})$	2976
58	$\mathcal{O}(1; \{2^2, 29^2\})$	94192
58	$\mathcal{O}(1; \{29, 58^2\})$	2543184
58	$\mathcal{O}(0; \{2^6, 29^2\})$	28
58	$\mathcal{O}(0; \{2^4, 29, 58^2\})$	756
58	$\mathcal{O}(0; \{2^2, 58^4\})$	21196
60	$\mathcal{O}(1; \{3^2, 4^2\})$	13824
60	$\mathcal{O}(1; \{2, 3, 4, 12\})$	13824
60	$\mathcal{O}(1; \{2^2, 12^2\})$	13824
60	$\mathcal{O}(1; \{12, 20, 30\})$	57600
60	$\mathcal{O}(1; \{12, 15, 60\})$	57600
60	$\mathcal{O}(0; \{3, 4, 5^2, 10, 12\})$	48
60	$\mathcal{O}(0; \{2, 5^2, 10, 12^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 6, 10, 15\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 4, 6, 10, 12, 15\})$	16
60	$\mathcal{O}(0; \{2, 3, 10, 12^2, 15\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 15^2\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 12, 15^2\})$	48
60	$\mathcal{O}(0; \{2^2, 3^2, 4, 5, 20\})$	16
60	$\mathcal{O}(0; \{3, 4, 5, 6^2, 20\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10^2, 20\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 5, 12, 20\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 5, 12, 20\})$	64
60	$\mathcal{O}(0; \{3^2, 5, 6, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 5, 6^2, 12, 20\})$	16
60	$\mathcal{O}(0; \{2, 3, 10^2, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 12^2, 20\})$	64
60	$\mathcal{O}(0; \{3^2, 5^2, 20^2\})$	208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{3^3, 15, 20^2\})$	144
60	$\mathcal{O}(0; \{2, 3, 6, 15, 20^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 10, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 10, 12, 30\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 15^2, 30\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 4, 20, 30\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 20, 30\})$	64
60	$\mathcal{O}(0; \{3^2, 4, 6, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 6^2, 20, 30\})$	16
60	$\mathcal{O}(0; \{2^4, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{3^3, 12, 20, 30\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 12, 20, 30\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 20^2, 30\})$	208
60	$\mathcal{O}(0; \{2, 4^2, 10, 30^2\})$	48
60	$\mathcal{O}(0; \{2^2, 20^2, 30^2\})$	208
60	$\mathcal{O}(0; \{3, 4, 5^2, 6, 60\})$	48
60	$\mathcal{O}(0; \{3^2, 5^2, 12, 60\})$	144
60	$\mathcal{O}(0; \{2, 5^2, 6, 12, 60\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 4, 15, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 15, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 4, 6, 15, 60\})$	80
60	$\mathcal{O}(0; \{2, 4, 6^2, 15, 60\})$	48
60	$\mathcal{O}(0; \{2^4, 12, 15, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 12, 15, 60\})$	176
60	$\mathcal{O}(0; \{2, 4^2, 12, 15, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 12, 15, 60\})$	80
60	$\mathcal{O}(0; \{3^3, 10, 20, 60\})$	144
60	$\mathcal{O}(0; \{2, 3, 6, 10, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 5, 30, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 5, 6, 30, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 5, 12, 30, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 15, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 30^2, 60\})$	144
60	$\mathcal{O}(0; \{2^2, 12, 30^2, 60\})$	144
60	$\mathcal{O}(0; \{20, 30^3, 60\})$	2448
60	$\mathcal{O}(0; \{2, 3, 5, 10, 60^2\})$	208
60	$\mathcal{O}(0; \{2^2, 15^2, 60^2\})$	624
60	$\mathcal{O}(0; \{2, 3, 4, 20, 60^2\})$	192
60	$\mathcal{O}(0; \{2^2, 12, 20, 60^2\})$	192
60	$\mathcal{O}(0; \{2^2, 10, 30, 60^2\})$	208
60	$\mathcal{O}(0; \{20^2, 30, 60^2\})$	3264

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{15, 30^2, 60^2\})$	4080
60	$\mathcal{O}(0; \{15, 20, 60^3\})$	9792
60	$\mathcal{O}(0; \{12, 30, 60^3\})$	4160
60	$\mathcal{O}(0; \{10, 60^4\})$	9792
63	$\mathcal{O}(0; \{9^2, 21, 63^2\})$	9720
63	$\mathcal{O}(0; \{7, 9, 63^3\})$	30132
64	$\mathcal{O}(0; \{2^2, 4, 16, 64^2\})$	512
64	$\mathcal{O}(0; \{8^2, 16, 64^2\})$	4096
64	$\mathcal{O}(0; \{4, 32^2, 64^2\})$	16384
65	$\mathcal{O}(0; \{5, 13^2, 65^2\})$	19152
66	$\mathcal{O}(0; \{3^4, 22^2\})$	60
66	$\mathcal{O}(0; \{2, 3^2, 6, 22^2\})$	20
66	$\mathcal{O}(0; \{2^2, 6^2, 22^2\})$	20
66	$\mathcal{O}(0; \{6, 11^2, 22, 33\})$	1820
66	$\mathcal{O}(0; \{2^2, 3, 33^3\})$	540
66	$\mathcal{O}(0; \{6^2, 33^3\})$	900
66	$\mathcal{O}(0; \{2^2, 3, 22, 33, 66\})$	180
66	$\mathcal{O}(0; \{6^2, 22, 33, 66\})$	540
66	$\mathcal{O}(0; \{3, 33^2, 66^2\})$	9100
66	$\mathcal{O}(0; \{3, 22, 66^3\})$	5460
68	$\mathcal{O}(1; \{2^2, 4^2\})$	9216
70	$\mathcal{O}(0; \{2^2, 5^2, 7, 35\})$	72
70	$\mathcal{O}(0; \{5, 7, 10^2, 35\})$	312
70	$\mathcal{O}(0; \{5^2, 14^2, 35\})$	360
70	$\mathcal{O}(0; \{5, 7^2, 14, 70\})$	744
70	$\mathcal{O}(0; \{2^3, 35^2, 70\})$	360
70	$\mathcal{O}(0; \{5^2, 7, 70^2\})$	1560
70	$\mathcal{O}(0; \{2, 35, 70^3\})$	9672
72	$\mathcal{O}(0; \{6, 8^2, 9^2\})$	48
72	$\mathcal{O}(0; \{4, 8, 9^2, 24\})$	96
72	$\mathcal{O}(0; \{3, 9^2, 24^2\})$	192
72	$\mathcal{O}(0; \{4, 8^2, 9, 36\})$	96
72	$\mathcal{O}(0; \{3, 8, 9, 24, 36\})$	192
72	$\mathcal{O}(0; \{3, 8^2, 36^2\})$	192
72	$\mathcal{O}(0; \{2, 24^2, 36^2\})$	384
72	$\mathcal{O}(0; \{3, 8, 9, 18, 72\})$	144
72	$\mathcal{O}(0; \{2, 18, 24, 36, 72\})$	288
72	$\mathcal{O}(0; \{2^3, 9, 72^2\})$	72
72	$\mathcal{O}(0; \{4^2, 9, 72^2\})$	288
72	$\mathcal{O}(0; \{3, 6, 9, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 18^2, 72^2\})$	648
72	$\mathcal{O}(0; \{3, 4, 36, 72^2\})$	576
72	$\mathcal{O}(0; \{2, 12, 36, 72^2\})$	576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
75	$\mathcal{O}(0; \{3^2, 25, 75^2\})$	1800
78	$\mathcal{O}(0; \{2^2, 3^2, 13^2\})$	24
78	$\mathcal{O}(0; \{3, 6^2, 13^2\})$	24
78	$\mathcal{O}(0; \{3^2, 13, 26^2\})$	264
80	$\mathcal{O}(0; \{2, 5, 16^2, 20\})$	64
80	$\mathcal{O}(0; \{2, 5, 10, 16, 80\})$	96
80	$\mathcal{O}(0; \{2, 4, 16, 20, 80\})$	128
80	$\mathcal{O}(0; \{2, 4, 10, 80^2\})$	192
84	$\mathcal{O}(0; \{3^2, 4, 28, 42\})$	24
84	$\mathcal{O}(0; \{2, 4, 6, 28, 42\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 28, 42\})$	24
84	$\mathcal{O}(0; \{3^2, 4, 21, 84\})$	72
84	$\mathcal{O}(0; \{2, 4, 6, 21, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 21, 84\})$	72
85	$\mathcal{O}(2; \emptyset)$	52116480
86	$\mathcal{O}(1; \{86^2\})$	310632
86	$\mathcal{O}(0; \{2^4, 86^2\})$	42
87	$\mathcal{O}(0; \{3^3, 29, 87\})$	168
87	$\mathcal{O}(0; \{87^4\})$	127176
88	$\mathcal{O}(0; \{2^2, 22, 88^2\})$	360
88	$\mathcal{O}(0; \{44^2, 88^2\})$	14560
90	$\mathcal{O}(1; \{18^2\})$	46656
90	$\mathcal{O}(0; \{2, 3, 5, 18, 45\})$	48
90	$\mathcal{O}(0; \{2^2, 18, 30, 45\})$	48
90	$\mathcal{O}(0; \{2^2, 15, 45^2\})$	144
90	$\mathcal{O}(0; \{30^2, 45^2\})$	1248
90	$\mathcal{O}(0; \{18, 45^2, 90\})$	1944
90	$\mathcal{O}(0; \{18, 30, 90^2\})$	432
90	$\mathcal{O}(0; \{15, 45, 90^2\})$	1872
96	$\mathcal{O}(0; \{2, 3^2, 32^2\})$	32
96	$\mathcal{O}(0; \{12^2, 32^2\})$	128
96	$\mathcal{O}(0; \{6, 32, 48, 96\})$	256
96	$\mathcal{O}(0; \{8, 12, 96^2\})$	256
96	$\mathcal{O}(0; \{6, 24, 96^2\})$	384
99	$\mathcal{O}(0; \{9^2, 33^2\})$	240
100	$\mathcal{O}(0; \{2^2, 4, 25, 100\})$	40
100	$\mathcal{O}(0; \{5, 20, 25, 100\})$	640
100	$\mathcal{O}(0; \{4, 50^2, 100\})$	600
102	$\mathcal{O}(1; \{6^2\})$	20736
104	$\mathcal{O}(0; \{8^2, 13, 26\})$	48
105	$\mathcal{O}(0; \{3, 35, 105^2\})$	720
110	$\mathcal{O}(0; \{5^2, 22, 110\})$	120
116	$\mathcal{O}(0; \{4^2, 58^2\})$	56

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
116	$\mathcal{O}(0; \{2, 58, 116^2\})$	1512
120	$\mathcal{O}(0; \{2, 24, 40, 60\})$	64
120	$\mathcal{O}(0; \{3, 5, 24, 120\})$	32
120	$\mathcal{O}(0; \{2, 24, 30, 120\})$	32
120	$\mathcal{O}(0; \{2, 15, 120^2\})$	96
126	$\mathcal{O}(0; \{2, 9, 42, 63\})$	72
129	$\mathcal{O}(0; \{3^2, 129^2\})$	252
130	$\mathcal{O}(0; \{2, 10, 13, 65\})$	48
132	$\mathcal{O}(0; \{3^2, 44^2\})$	40
140	$\mathcal{O}(0; \{2, 4, 35, 140\})$	48
150	$\mathcal{O}(0; \{2, 3, 50, 75\})$	40
170	$\mathcal{O}(1; \{2^2\})$	27648
172	$\mathcal{O}(0; \{2^2, 172^2\})$	84
173	$\mathcal{O}(0; \{173^3\})$	29412
174	$\mathcal{O}(0; \{2^2, 87^2\})$	56
174	$\mathcal{O}(0; \{87, 174^2\})$	1512
176	$\mathcal{O}(0; \{44, 176^2\})$	1440
180	$\mathcal{O}(0; \{36, 60, 90\})$	96
180	$\mathcal{O}(0; \{36, 45, 180\})$	144
200	$\mathcal{O}(0; \{8, 50, 200\})$	80
210	$\mathcal{O}(0; \{6, 70, 105\})$	48
215	$\mathcal{O}(0; \{5, 215^2\})$	504
220	$\mathcal{O}(0; \{5, 44, 220\})$	80
258	$\mathcal{O}(0; \{3, 258^2\})$	84
344	$\mathcal{O}(0; \{2, 344^2\})$	168
346	$\mathcal{O}(0; \{2, 173, 346\})$	172

Table 7: 87-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(87; \emptyset)$	1
2	$\mathcal{O}(44; \emptyset)$	309485009821345068724781055
2	$\mathcal{O}(43; \{2^4\})$	77371252455336267181195264
2	$\mathcal{O}(42; \{2^8\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^{12}\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{16}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{20}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{24}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{28}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{32}\})$	4722366482869645213696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(35; \{2^{36}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{40}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{44}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{48}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{52}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{56}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{60}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{64}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{68}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{72}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{76}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{80}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{84}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{88}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{92}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{96}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{100}\})$	274877906944
2	$\mathcal{O}(18; \{2^{104}\})$	68719476736
2	$\mathcal{O}(17; \{2^{108}\})$	17179869184
2	$\mathcal{O}(16; \{2^{112}\})$	4294967296
2	$\mathcal{O}(15; \{2^{116}\})$	1073741824
2	$\mathcal{O}(14; \{2^{120}\})$	268435456
2	$\mathcal{O}(13; \{2^{124}\})$	67108864
2	$\mathcal{O}(12; \{2^{128}\})$	16777216
2	$\mathcal{O}(11; \{2^{132}\})$	4194304
2	$\mathcal{O}(10; \{2^{136}\})$	1048576
2	$\mathcal{O}(9; \{2^{140}\})$	262144
2	$\mathcal{O}(8; \{2^{144}\})$	65536
2	$\mathcal{O}(7; \{2^{148}\})$	16384
2	$\mathcal{O}(6; \{2^{152}\})$	4096
2	$\mathcal{O}(5; \{2^{156}\})$	1024
2	$\mathcal{O}(4; \{2^{160}\})$	256
2	$\mathcal{O}(3; \{2^{164}\})$	64
2	$\mathcal{O}(2; \{2^{168}\})$	16
2	$\mathcal{O}(1; \{2^{172}\})$	4
2	$\mathcal{O}(0; \{2^{176}\})$	1
3	$\mathcal{O}(29; \{3^2\})$	9420257394492489669843207378
3	$\mathcal{O}(28; \{3^3\})$	5233476330273605372135115210
3	$\mathcal{O}(27; \{3^4\})$	5000877382261445133373554534
3	$\mathcal{O}(26; \{3^5\})$	4406457848452591189871788362
3	$\mathcal{O}(25; \{3^6\})$	3921158808772898839863100038
3	$\mathcal{O}(24; \{3^7\})$	3484995898028559955930242090
3	$\mathcal{O}(23; \{3^8\})$	3097827309209660098055679654

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(22; \{3^{23}\})$	2753618366227618096604317962
3	$\mathcal{O}(21; \{3^{26}\})$	2447661426494039763833548998
3	$\mathcal{O}(20; \{3^{29}\})$	2175698972826487035732692970
3	$\mathcal{O}(19; \{3^{32}\})$	1933954650617543226689235174
3	$\mathcal{O}(18; \{3^{35}\})$	1719070799648359500830658762
3	$\mathcal{O}(17; \{3^{38}\})$	1528062933120827090936362758
3	$\mathcal{O}(16; \{3^{41}\})$	1358278162762950404143655850
3	$\mathcal{O}(15; \{3^{44}\})$	1207358366901635706031373094
3	$\mathcal{O}(14; \{3^{47}\})$	1073207437245761144606490762
3	$\mathcal{O}(13; \{3^{50}\})$	953962166440691824178517318
3	$\mathcal{O}(12; \{3^{53}\})$	847966370169502149137018730
3	$\mathcal{O}(11; \{3^{56}\})$	753747884595113209741485414
3	$\mathcal{O}(10; \{3^{59}\})$	669998119640100609960613962
3	$\mathcal{O}(9; \{3^{62}\})$	595553884124533877845068678
3	$\mathcal{O}(8; \{3^{65}\})$	529381230332919002270669610
3	$\mathcal{O}(7; \{3^{68}\})$	470561093629261335380404134
3	$\mathcal{O}(6; \{3^{71}\})$	418276527670454520334948362
3	$\mathcal{O}(5; \{3^{74}\})$	371801357929292906964752838
3	$\mathcal{O}(4; \{3^{77}\})$	330490095937149250635296490
3	$\mathcal{O}(3; \{3^{80}\})$	293768974166354889453601254
3	$\mathcal{O}(2; \{3^{83}\})$	261127977036759901736533962
3	$\mathcal{O}(1; \{3^{86}\})$	232113757366008801543585798
3	$\mathcal{O}(0; \{3^{89}\})$	206323339880896712483187370
4	$\mathcal{O}(22; \{2^2\})$	309485009821327476538736640
4	$\mathcal{O}(21; \{2^6\})$	19342813113829668748787712
4	$\mathcal{O}(21; \{2^3, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(21; \{4^4\})$	154742504910672534362390528
4	$\mathcal{O}(20; \{2^{10}\})$	1208925819613529663078400
4	$\mathcal{O}(20; \{2^7, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^4, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(20; \{2, 4^6\})$	38685626227668133590597632
4	$\mathcal{O}(19; \{2^{14}\})$	75557863725639445512192
4	$\mathcal{O}(19; \{2^{11}, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^8, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^5, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^2, 4^8\})$	9671406556917033397649408
4	$\mathcal{O}(18; \{2^{18}\})$	4722366482800925736960
4	$\mathcal{O}(18; \{2^{15}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{12}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^9, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^6, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^3, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{4^{12}\})$	9671406556917033397649408

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(17; \{2^{22}\})$	295147905162172956672
4	$\mathcal{O}(17; \{2^{19}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{16}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{13}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^{10}, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^7, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^4, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2, 4^{14}\})$	2417851639229258349412352
4	$\mathcal{O}(16; \{2^{26}\})$	18446744069414584320
4	$\mathcal{O}(16; \{2^{23}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{20}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{17}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{14}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^{11}, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^8, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^5, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2^2, 4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(15; \{2^{30}\})$	1152921503533105152
4	$\mathcal{O}(15; \{2^{27}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{24}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{21}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{18}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{15}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{12}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^9, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^6, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^3, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{4^{20}\})$	604462909807314587353088
4	$\mathcal{O}(14; \{2^{34}\})$	72057593769492480
4	$\mathcal{O}(14; \{2^{31}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{28}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{25}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{22}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{19}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{16}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{13}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^{10}, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^7, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^4, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2, 4^{22}\})$	151115727451828646838272
4	$\mathcal{O}(13; \{2^{38}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^{35}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{32}, 4^4\})$	36028797018963968

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(13; \{2^{29}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{26}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{23}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{20}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{17}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{14}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^{11}, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^8, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^5, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^2, 4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(12; \{2^{42}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{39}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{36}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{33}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{30}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{27}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{24}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{21}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{18}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{15}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{12}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^9, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^6, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2^3, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{4^{28}\})$	37778931862957161709568
4	$\mathcal{O}(11; \{2^{46}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{43}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{40}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{37}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{34}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{31}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{28}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{25}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{22}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{19}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{16}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{13}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^{10}, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^7, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^4, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2, 4^{30}\})$	9444732965739290427392
4	$\mathcal{O}(10; \{2^{50}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{47}, 4^2\})$	2199023255552

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{44}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{41}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{38}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{35}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{32}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{29}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{26}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{23}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{20}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{17}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{14}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^{11}, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^8, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^5, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^2, 4^{32}\})$	2361183241434822606848
4	$\mathcal{O}(9; \{2^{54}\})$	68719214592
4	$\mathcal{O}(9; \{2^{51}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{48}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{45}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{42}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{39}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{36}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{33}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{30}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{27}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{24}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{21}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{18}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{15}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{12}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^9, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^6, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^3, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(9; \{4^{36}\})$	2361183241434822606848
4	$\mathcal{O}(8; \{2^{58}\})$	4294901760
4	$\mathcal{O}(8; \{2^{55}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{52}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{49}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{46}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{43}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{40}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{37}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{34}, 4^{16}\})$	140737488355328

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{31}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{28}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{25}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{22}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{19}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{16}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{13}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^{10}, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^7, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^4, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2, 4^{38}\})$	590295810358705651712
4	$\mathcal{O}(7; \{2^{62}\})$	268419072
4	$\mathcal{O}(7; \{2^{59}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{56}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{53}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{50}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{47}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{44}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{41}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{38}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{35}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{32}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{29}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{26}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{23}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{20}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{17}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{14}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^{11}, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^8, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^5, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^2, 4^{40}\})$	147573952589676412928
4	$\mathcal{O}(6; \{2^{66}\})$	16773120
4	$\mathcal{O}(6; \{2^{63}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{60}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{57}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{54}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{51}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{48}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{45}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{42}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{39}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{36}, 4^{20}\})$	8796093022208

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{33}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{30}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{27}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{24}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{21}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{18}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{15}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{12}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^9, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^6, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^3, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(6; \{4^{44}\})$	147573952589676412928
4	$\mathcal{O}(5; \{2^{70}\})$	1047552
4	$\mathcal{O}(5; \{2^{67}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{64}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{61}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{58}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{55}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{52}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{49}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{46}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{43}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{40}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{37}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{34}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{31}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{28}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{25}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{22}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{19}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{16}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{13}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^{10}, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^7, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^4, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2, 4^{46}\})$	36893488147419103232
4	$\mathcal{O}(4; \{2^{74}\})$	65280
4	$\mathcal{O}(4; \{2^{71}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{68}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{65}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{62}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{59}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{56}, 4^{12}\})$	134217728

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{53}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{50}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{47}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{44}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{41}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{38}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{35}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{32}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{29}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{26}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{23}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{20}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{17}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{14}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^{11}, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^8, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^5, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^2, 4^{48}\})$	9223372036854775808
4	$\mathcal{O}(3; \{2^{78}\})$	4032
4	$\mathcal{O}(3; \{2^{75}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{72}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{69}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{66}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{63}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{60}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{57}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{54}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{51}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{48}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{45}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{42}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{39}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{36}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{33}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{30}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{27}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{24}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{21}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{18}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{15}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{12}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^9, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^6, 4^{48}\})$	576460752303423488

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^3, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(3; \{4^{52}\})$	9223372036854775808
4	$\mathcal{O}(2; \{2^{82}\})$	240
4	$\mathcal{O}(2; \{2^{79}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{76}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{73}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{70}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{67}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{64}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{61}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{58}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{55}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{52}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{49}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{46}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{43}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{40}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{37}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{34}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{31}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{28}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{25}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{22}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{19}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{16}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{13}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^{10}, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^7, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^4, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(2; \{2, 4^{54}\})$	2305843009213693952
4	$\mathcal{O}(1; \{2^{86}\})$	12
4	$\mathcal{O}(1; \{2^{83}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{80}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{77}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{74}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{71}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{68}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{65}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{62}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{59}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{56}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{53}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{50}, 4^{24}\})$	134217728

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{47}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{44}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{41}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{38}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{35}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{32}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{29}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{26}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{23}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{20}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{17}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{14}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^{11}, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^8, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^5, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^2, 4^{56}\})$	576460752303423488
4	$\mathcal{O}(0; \{2^{87}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{84}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{81}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{78}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{75}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{72}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{69}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{66}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{63}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{60}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{57}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{54}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{51}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{48}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{45}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{42}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{39}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{36}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{33}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{30}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{27}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{24}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{21}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{18}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{15}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{12}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^9, 4^{54}\})$	9007199254740992

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^6, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^3, 4^{58}\})$	144115188075855872
4	$\mathcal{O}(0; \{4^{60}\})$	576460752303423488
5	$\mathcal{O}(17; \{5^3\})$	6984919309616088867187500
5	$\mathcal{O}(15; \{5^8\})$	12207776308059692382812500
5	$\mathcal{O}(13; \{5^{13}\})$	19999998807907104492187500
5	$\mathcal{O}(11; \{5^{18}\})$	32768000001907348632812500
5	$\mathcal{O}(9; \{5^{23}\})$	53687091199996948242187500
5	$\mathcal{O}(7; \{5^{28}\})$	87960930222080004882812500
5	$\mathcal{O}(5; \{5^{33}\})$	144115188075855871992187500
5	$\mathcal{O}(3; \{5^{38}\})$	236118324143482260684812500
5	$\mathcal{O}(1; \{5^{43}\})$	386856262276681335905976300
6	$\mathcal{O}(14; \{3^4\})$	36845653149528138253530
6	$\mathcal{O}(14; \{2, 3^2, 6\})$	12281884428929630994432
6	$\mathcal{O}(14; \{2^2, 6^2\})$	12281884428929630994432
6	$\mathcal{O}(13; \{2^4, 3^4\})$	1023490369077469249536
6	$\mathcal{O}(13; \{3^7\})$	7164432476783919956934
6	$\mathcal{O}(13; \{2^5, 3^2, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2, 3^5, 6\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^6, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^2, 3^3, 6^2\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^3, 3, 6^3\})$	1023490369077469249536
6	$\mathcal{O}(13; \{3^2, 6^4\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2, 6^5\})$	1705817281795782082560
6	$\mathcal{O}(12; \{2^8, 3^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^4, 3^7\})$	199012016209507909632
6	$\mathcal{O}(12; \{3^{10}\})$	1620526321115091501930
6	$\mathcal{O}(12; \{2^9, 3^2, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^5, 3^5, 6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2, 3^8, 6\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^{10}, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^6, 3^3, 6^2\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^2, 3^6, 6^2\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^7, 3, 6^3\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^3, 3^4, 6^3\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^4, 3^2, 6^4\})$	104244389443075571712
6	$\mathcal{O}(12; \{3^5, 6^4\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^5, 6^5\})$	47383813383216168960
6	$\mathcal{O}(12; \{2, 3^3, 6^5\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^2, 3, 6^6\})$	199012016209507909632
6	$\mathcal{O}(12; \{6^8\})$	407500795095659053056
6	$\mathcal{O}(11; \{2^{12}, 3^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^8, 3^7\})$	5528111561375219712

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(11; \{2^4, 3^{10}\})$	45014622714055360512
6	$\mathcal{O}(11; \{3^{13}\})$	359327165819096548710
6	$\mathcal{O}(11; \{2^{13}, 3^2, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^9, 3^5, 6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^5, 3^8, 6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2, 3^{11}, 6\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{14}, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{10}, 3^3, 6^2\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^6, 3^6, 6^2\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^2, 3^9, 6^2\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{11}, 3, 6^3\})$	789730223053602816
6	$\mathcal{O}(11; \{2^7, 3^4, 6^3\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^3, 3^7, 6^3\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^8, 3^2, 6^4\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^4, 3^5, 6^4\})$	22375689653185413120
6	$\mathcal{O}(11; \{3^8, 6^4\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^9, 6^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^5, 3^3, 6^5\})$	11319466530434973696
6	$\mathcal{O}(11; \{2, 3^6, 6^5\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^6, 3, 6^6\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^2, 3^4, 6^6\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^3, 3^2, 6^7\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^4, 6^8\})$	11319466530434973696
6	$\mathcal{O}(11; \{3^3, 6^8\})$	89766002020426186752
6	$\mathcal{O}(11; \{2, 3, 6^9\})$	45014622714055360512
6	$\mathcal{O}(10; \{2^{16}, 3^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{12}, 3^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^8, 3^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^4, 3^{13}\})$	9981312541371924480
6	$\mathcal{O}(10; \{3^{16}\})$	79872361109323749450
6	$\mathcal{O}(10; \{2^{17}, 3^2, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{13}, 3^5, 6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^9, 3^8, 6\})$	621546934810705920
6	$\mathcal{O}(10; \{2^5, 3^{11}, 6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 3^{14}, 6\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{18}, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{14}, 3^3, 6^2\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{10}, 3^6, 6^2\})$	314429625845415936
6	$\mathcal{O}(10; \{2^6, 3^9, 6^2\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^{12}, 6^2\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{15}, 3, 6^3\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{11}, 3^4, 6^3\})$	153558654482644992
6	$\mathcal{O}(10; \{2^7, 3^7, 6^3\})$	1250406186501537792

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^3, 3^{10}, 6^3\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{12}, 3^2, 6^4\})$	80435485681385472
6	$\mathcal{O}(10; \{2^8, 3^5, 6^4\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 3^8, 6^4\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^{11}, 6^4\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{13}, 6^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^9, 3^3, 6^5\})$	314429625845415936
6	$\mathcal{O}(10; \{2^5, 3^6, 6^5\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^9, 6^5\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{10}, 3, 6^6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^6, 3^4, 6^6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^7, 6^6\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^7, 3^2, 6^7\})$	621546934810705920
6	$\mathcal{O}(10; \{2^3, 3^5, 6^7\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^8, 6^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^4, 3^3, 6^8\})$	2493500056122949632
6	$\mathcal{O}(10; \{3^6, 6^8\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^5, 3, 6^9\})$	1250406186501537792
6	$\mathcal{O}(10; \{2, 3^4, 6^9\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^2, 3^2, 6^{10}\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^3, 6^{11}\})$	2493500056122949632
6	$\mathcal{O}(10; \{3, 6^{12}\})$	9981312541371924480
6	$\mathcal{O}(9; \{2^{20}, 3^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{16}, 3^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{12}, 3^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^8, 3^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 3^{16}\})$	2218678813378215936
6	$\mathcal{O}(9; \{3^{19}\})$	17748753440906218374
6	$\mathcal{O}(9; \{2^{21}, 3^2, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{17}, 3^5, 6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{13}, 3^8, 6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^9, 3^{11}, 6\})$	138730900809056256
6	$\mathcal{O}(9; \{2^5, 3^{14}, 6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2, 3^{17}, 6\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{22}, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{18}, 3^3, 6^2\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{14}, 3^6, 6^2\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{10}, 3^9, 6^2\})$	69263890447859712
6	$\mathcal{O}(9; \{2^6, 3^{12}, 6^2\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3^{15}, 6^2\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{19}, 3, 6^3\})$	609359740010496
6	$\mathcal{O}(9; \{2^{15}, 3^4, 6^3\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{11}, 3^7, 6^3\})$	34733505180598272

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^7, 3^{10}, 6^3\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3^{13}, 6^3\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{16}, 3^2, 6^4\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{12}, 3^5, 6^4\})$	17265192633630720
6	$\mathcal{O}(9; \{2^8, 3^8, 6^4\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^{11}, 6^4\})$	1109237846732439552
6	$\mathcal{O}(9; \{3^{14}, 6^4\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{17}, 6^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{13}, 3^3, 6^5\})$	8734156273483776
6	$\mathcal{O}(9; \{2^9, 3^6, 6^5\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^9, 6^5\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^{12}, 6^5\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{14}, 3, 6^6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{10}, 3^4, 6^6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^7, 6^6\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^{10}, 6^6\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{11}, 3^2, 6^7\})$	17265192633630720
6	$\mathcal{O}(9; \{2^7, 3^5, 6^7\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^8, 6^7\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^{12}, 6^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^8, 3^3, 6^8\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^6, 6^8\})$	554720483322888192
6	$\mathcal{O}(9; \{3^9, 6^8\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^9, 3, 6^9\})$	34733505180598272
6	$\mathcal{O}(9; \{2^5, 3^4, 6^9\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^7, 6^9\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^6, 3^2, 6^{10}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^5, 6^{10}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^7, 6^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^3, 3^3, 6^{11}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^4, 3, 6^{12}\})$	277258681704775680
6	$\mathcal{O}(9; \{3^4, 6^{12}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2, 3^2, 6^{13}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^2, 6^{14}\})$	554720483322888192
6	$\mathcal{O}(8; \{2^{24}, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{20}, 3^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{16}, 3^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^{12}, 3^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^8, 3^{16}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^4, 3^{19}\})$	493022809646825472
6	$\mathcal{O}(8; \{3^{22}\})$	3944139220127324970
6	$\mathcal{O}(8; \{2^{25}, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{21}, 3^5, 6\})$	62064417964032

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{17}, 3^8, 6\})$	479588684267520
6	$\mathcal{O}(8; \{2^{13}, 3^{11}, 6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^9, 3^{14}, 6\})$	30812162409234432
6	$\mathcal{O}(8; \{2^5, 3^{17}, 6\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 3^{20}, 6\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{26}, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{22}, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2^{18}, 3^6, 6^2\})$	242615452041216
6	$\mathcal{O}(8; \{2^{14}, 3^9, 6^2\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{10}, 3^{12}, 6^2\})$	15408902314524672
6	$\mathcal{O}(8; \{2^6, 3^{15}, 6^2\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^{18}, 6^2\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{23}, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(8; \{2^{19}, 3^4, 6^3\})$	118486616113152
6	$\mathcal{O}(8; \{2^{15}, 3^7, 6^3\})$	964819588349952
6	$\mathcal{O}(8; \{2^{11}, 3^{10}, 6^3\})$	7701630047354880
6	$\mathcal{O}(8; \{2^7, 3^{13}, 6^3\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^{16}, 6^3\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{20}, 3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2^{16}, 3^5, 6^4\})$	479588684267520
6	$\mathcal{O}(8; \{2^{12}, 3^8, 6^4\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^{11}, 6^4\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^{14}, 6^4\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{17}, 6^4\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{21}, 6^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{17}, 3^3, 6^5\})$	242615452041216
6	$\mathcal{O}(8; \{2^{13}, 3^6, 6^5\})$	1923996956884992
6	$\mathcal{O}(8; \{2^9, 3^9, 6^5\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^{12}, 6^5\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^{15}, 6^5\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{18}, 3, 6^6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{14}, 3^4, 6^6\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^7, 6^6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^{10}, 6^6\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^{13}, 6^6\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{15}, 3^2, 6^7\})$	479588684267520
6	$\mathcal{O}(8; \{2^{11}, 3^5, 6^7\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^8, 6^7\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^{11}, 6^7\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{16}, 6^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{12}, 3^3, 6^8\})$	1923996956884992
6	$\mathcal{O}(8; \{2^8, 3^6, 6^8\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^9, 6^8\})$	123254291856752640

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{3^{12}, 6^8\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{13}, 3, 6^9\})$	964819588349952
6	$\mathcal{O}(8; \{2^9, 3^4, 6^9\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^7, 6^9\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^{10}, 6^9\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{10}, 3^2, 6^{10}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^5, 6^{10}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^8, 6^{10}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{11}, 6^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^7, 3^3, 6^{11}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^6, 6^{11}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^8, 3, 6^{12}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^4, 3^4, 6^{12}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^7, 6^{12}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^5, 3^2, 6^{13}\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^5, 6^{13}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^6, 6^{14}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^2, 3^3, 6^{14}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^3, 3, 6^{15}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^2, 6^{16}\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 6^{17}\})$	123254291856752640
6	$\mathcal{O}(7; \{2^{28}, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{24}, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{20}, 3^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{16}, 3^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^{12}, 3^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^8, 3^{19}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 3^{22}\})$	109561094550945792
6	$\mathcal{O}(7; \{3^{25}\})$	876434789623080870
6	$\mathcal{O}(7; \{2^{29}, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{25}, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{21}, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{17}, 3^{11}, 6\})$	107045448155136
6	$\mathcal{O}(7; \{2^{13}, 3^{14}, 6\})$	855893400256512
6	$\mathcal{O}(7; \{2^9, 3^{17}, 6\})$	6847617387036672
6	$\mathcal{O}(7; \{2^5, 3^{20}, 6\})$	54780468911308800
6	$\mathcal{O}(7; \{2, 3^{23}, 6\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{30}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{26}, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^{22}, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^{18}, 3^9, 6^2\})$	53444359913472
6	$\mathcal{O}(7; \{2^{14}, 3^{12}, 6^2\})$	428025064292352
6	$\mathcal{O}(7; \{2^{10}, 3^{15}, 6^2\})$	3423730329354240

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^6, 3^{18}, 6^2\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3^{21}, 6^2\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{27}, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^{23}, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2^{19}, 3^7, 6^3\})$	26800544120832
6	$\mathcal{O}(7; \{2^{15}, 3^{10}, 6^3\})$	213934167982080
6	$\mathcal{O}(7; \{2^{11}, 3^{13}, 6^3\})$	1711943528841216
6	$\mathcal{O}(7; \{2^7, 3^{16}, 6^3\})$	13695078045745152
6	$\mathcal{O}(7; \{2^3, 3^{19}, 6^3\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{24}, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^{20}, 3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^{16}, 3^8, 6^4\})$	107045448155136
6	$\mathcal{O}(7; \{2^{12}, 3^{11}, 6^4\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^{14}, 6^4\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{17}, 6^4\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{20}, 6^4\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{25}, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{21}, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^{17}, 3^6, 6^5\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^9, 6^5\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^{12}, 6^5\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^{15}, 6^5\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{18}, 6^5\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{22}, 3, 6^6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{18}, 3^4, 6^6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^7, 6^6\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^{10}, 6^6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^{13}, 6^6\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{16}, 6^6\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{19}, 3^2, 6^7\})$	13321907896320
6	$\mathcal{O}(7; \{2^{15}, 3^5, 6^7\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^8, 6^7\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^{11}, 6^7\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{14}, 6^7\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{20}, 6^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{16}, 3^3, 6^8\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^6, 6^8\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^9, 6^8\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{12}, 6^8\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{15}, 6^8\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{17}, 3, 6^9\})$	26800544120832
6	$\mathcal{O}(7; \{2^{13}, 3^4, 6^9\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^7, 6^9\})$	1711943528841216

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^5, 3^{10}, 6^9\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{13}, 6^9\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{14}, 3^2, 6^{10}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^5, 6^{10}\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^8, 6^{10}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^{11}, 6^{10}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{15}, 6^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{11}, 3^3, 6^{11}\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^6, 6^{11}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^9, 6^{11}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^{12}, 3, 6^{12}\})$	213934167982080
6	$\mathcal{O}(7; \{2^8, 3^4, 6^{12}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^7, 6^{12}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^{10}, 6^{12}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^9, 3^2, 6^{13}\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^5, 6^{13}\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^8, 6^{13}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{10}, 6^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^6, 3^3, 6^{14}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^6, 6^{14}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^7, 3, 6^{15}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^3, 3^4, 6^{15}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 3^2, 6^{16}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^5, 6^{16}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^5, 6^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{2, 3^3, 6^{17}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3, 6^{18}\})$	13695078045745152
6	$\mathcal{O}(7; \{6^{20}\})$	27390312819818496
6	$\mathcal{O}(6; \{2^{32}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{28}, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{24}, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{20}, 3^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{16}, 3^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^{12}, 3^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2^8, 3^{22}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^4, 3^{25}\})$	24346896839516160
6	$\mathcal{O}(6; \{3^{28}\})$	194727635240744970
6	$\mathcal{O}(6; \{2^{33}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{29}, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^{25}, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{21}, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{17}, 3^{14}, 6\})$	23774816673792
6	$\mathcal{O}(6; \{2^{13}, 3^{17}, 6\})$	190211594084352

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_{\mathcal{O}}(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^9, 3^{20}, 6\})$	1521679691980800
6	$\mathcal{O}(6; \{2^5, 3^{23}, 6\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 3^{26}, 6\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{34}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{30}, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^{26}, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^{22}, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^{18}, 3^{12}, 6^2\})$	11889585119232
6	$\mathcal{O}(6; \{2^{14}, 3^{15}, 6^2\})$	95103620259840
6	$\mathcal{O}(6; \{2^{10}, 3^{18}, 6^2\})$	760842022772736
6	$\mathcal{O}(6; \{2^6, 3^{21}, 6^2\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^{24}, 6^2\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{31}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^{27}, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^{23}, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^{19}, 3^{10}, 6^3\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^{13}, 6^3\})$	47553986912256
6	$\mathcal{O}(6; \{2^{11}, 3^{16}, 6^3\})$	380418834604032
6	$\mathcal{O}(6; \{2^7, 3^{19}, 6^3\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 3^{22}, 6^3\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{28}, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^{24}, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^{20}, 3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^{11}, 6^4\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^{14}, 6^4\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{17}, 6^4\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{20}, 6^4\})$	12173450596540416
6	$\mathcal{O}(6; \{3^{23}, 6^4\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{29}, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{25}, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^{21}, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^9, 6^5\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3^{12}, 6^5\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^{15}, 6^5\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{18}, 6^5\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{21}, 6^5\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{26}, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^{22}, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^7, 6^6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^{10}, 6^6\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^{13}, 6^6\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{16}, 6^6\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{19}, 6^6\})$	24346896839516160

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{23}, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^{19}, 3^5, 6^7\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^8, 6^7\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^{11}, 6^7\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{14}, 6^7\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{17}, 6^7\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{24}, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{20}, 3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^6, 6^8\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^9, 6^8\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{12}, 6^8\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{15}, 6^8\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{18}, 6^8\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{21}, 3, 6^9\})$	744459558912
6	$\mathcal{O}(6; \{2^{17}, 3^4, 6^9\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^7, 6^9\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^{10}, 6^9\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{13}, 6^9\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{16}, 6^9\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{18}, 3^2, 6^{10}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^5, 6^{10}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^8, 6^{10}\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^{11}, 6^{10}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{14}, 6^{10}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{19}, 6^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{15}, 3^3, 6^{11}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^6, 6^{11}\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^9, 6^{11}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{12}, 6^{11}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{16}, 3, 6^{12}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{12}, 3^4, 6^{12}\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^7, 6^{12}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^{10}, 6^{12}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{13}, 6^{12}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{13}, 3^2, 6^{13}\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^5, 6^{13}\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^8, 6^{13}\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^{11}, 6^{13}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{14}, 6^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{10}, 3^3, 6^{14}\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^6, 6^{14}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^9, 6^{14}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{11}, 3, 6^{15}\})$	47553986912256

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_{\mathcal{O}}(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^7, 3^4, 6^{15}\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^7, 6^{15}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^8, 3^2, 6^{16}\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^5, 6^{16}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^8, 6^{16}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^9, 6^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^5, 3^3, 6^{17}\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^6, 6^{17}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^6, 3, 6^{18}\})$	380418834604032
6	$\mathcal{O}(6; \{2^2, 3^4, 6^{18}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 3^2, 6^{19}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 6^{20}\})$	760842022772736
6	$\mathcal{O}(6; \{3^3, 6^{20}\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3, 6^{21}\})$	3043363737526272
6	$\mathcal{O}(5; \{2^{36}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{32}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{28}, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{24}, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{20}, 3^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{16}, 3^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^{12}, 3^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 3^{25}\})$	676302689986560
6	$\mathcal{O}(5; \{2^4, 3^{28}\})$	5410421882689536
6	$\mathcal{O}(5; \{3^{31}\})$	43241105778115014
6	$\mathcal{O}(5; \{2^{37}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{33}, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^{29}, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{25}, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{21}, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{17}, 3^{17}, 6\})$	5283655391232
6	$\mathcal{O}(5; \{2^{13}, 3^{20}, 6\})$	42268880332800
6	$\mathcal{O}(5; \{2^9, 3^{23}, 6\})$	338151405459456
6	$\mathcal{O}(5; \{2^5, 3^{26}, 6\})$	2705210880878592
6	$\mathcal{O}(5; \{2, 3^{29}, 6\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{38}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{34}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{30}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^{26}, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^{22}, 3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{2^{18}, 3^{15}, 6^2\})$	2641767229440
6	$\mathcal{O}(5; \{2^{14}, 3^{18}, 6^2\})$	21134500632576
6	$\mathcal{O}(5; \{2^{10}, 3^{21}, 6^2\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3^{24}, 6^2\})$	1352605500905472

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^2, 3^{27}, 6^2\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{35}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^{31}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^{27}, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^{23}, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{19}, 3^{13}, 6^3\})$	1320944080896
6	$\mathcal{O}(5; \{2^{15}, 3^{16}, 6^3\})$	10567189850112
6	$\mathcal{O}(5; \{2^{11}, 3^{19}, 6^3\})$	84537881597952
6	$\mathcal{O}(5; \{2^7, 3^{22}, 6^3\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3^{25}, 6^3\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{32}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^{28}, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^{24}, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^{14}, 6^4\})$	5283655391232
6	$\mathcal{O}(5; \{2^{12}, 3^{17}, 6^4\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{20}, 6^4\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{23}, 6^4\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{26}, 6^4\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{33}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^{29}, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^{25}, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^{12}, 6^5\})$	2641767229440
6	$\mathcal{O}(5; \{2^{13}, 3^{15}, 6^5\})$	21134500632576
6	$\mathcal{O}(5; \{2^9, 3^{18}, 6^5\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{21}, 6^5\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{24}, 6^5\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{30}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^{26}, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^{22}, 3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^{10}, 6^6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^{13}, 6^6\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{16}, 6^6\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{19}, 6^6\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{22}, 6^6\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{27}, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^{23}, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^8, 6^7\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^{11}, 6^7\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{14}, 6^7\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{17}, 6^7\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{20}, 6^7\})$	2705210880878592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{28}, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{24}, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^6, 6^8\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^9, 6^8\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{12}, 6^8\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{15}, 6^8\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{18}, 6^8\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{21}, 6^8\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{25}, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2^{21}, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^7, 6^9\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^{10}, 6^9\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{13}, 6^9\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{16}, 6^9\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{19}, 6^9\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{22}, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^5, 6^{10}\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^8, 6^{10}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^{11}, 6^{10}\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{14}, 6^{10}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{17}, 6^{10}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{23}, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{19}, 3^3, 6^{11}\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^6, 6^{11}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^9, 6^{11}\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{12}, 6^{11}\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{15}, 6^{11}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{20}, 3, 6^{12}\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3^4, 6^{12}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^7, 6^{12}\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^{10}, 6^{12}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{13}, 6^{12}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{16}, 6^{12}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{17}, 3^2, 6^{13}\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^5, 6^{13}\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^8, 6^{13}\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^{11}, 6^{13}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{14}, 6^{13}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{18}, 6^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^3, 6^{14}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^6, 6^{14}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^9, 6^{14}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{12}, 6^{14}\})$	1352605500905472

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3, 6^{15}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{11}, 3^4, 6^{15}\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^7, 6^{15}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^{10}, 6^{15}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{12}, 3^2, 6^{16}\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^5, 6^{16}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^8, 6^{16}\})$	338151405459456
6	$\mathcal{O}(5; \{3^{11}, 6^{16}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{13}, 6^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^9, 3^3, 6^{17}\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^6, 6^{17}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^9, 6^{17}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{10}, 3, 6^{18}\})$	10567189850112
6	$\mathcal{O}(5; \{2^6, 3^4, 6^{18}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^7, 6^{18}\})$	676302689986560
6	$\mathcal{O}(5; \{2^7, 3^2, 6^{19}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^5, 6^{19}\})$	338151405459456
6	$\mathcal{O}(5; \{2^8, 6^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^4, 3^3, 6^{20}\})$	169075642263552
6	$\mathcal{O}(5; \{3^6, 6^{20}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^5, 3, 6^{21}\})$	84537881597952
6	$\mathcal{O}(5; \{2, 3^4, 6^{21}\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^2, 6^{22}\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 6^{23}\})$	169075642263552
6	$\mathcal{O}(5; \{3, 6^{24}\})$	676302689986560
6	$\mathcal{O}(4; \{2^{40}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{36}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{32}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{28}, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{24}, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{20}, 3^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{16}, 3^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^{12}, 3^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{2^8, 3^{28}\})$	150289496741376
6	$\mathcal{O}(4; \{2^4, 3^{31}\})$	1202315963853312
6	$\mathcal{O}(4; \{3^{34}\})$	9580955346994410
6	$\mathcal{O}(4; \{2^{41}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{37}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{33}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{29}, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{25}, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^{21}, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 3^{20}, 6\})$	1174135564800

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{13}, 3^{23}, 6\})$	9393094596096
6	$\mathcal{O}(4; \{2^9, 3^{26}, 6\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 3^{29}, 6\})$	601157983606272
6	$\mathcal{O}(4; \{2, 3^{32}, 6\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{42}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{38}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{34}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{30}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^{26}, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^{22}, 3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^{18}, 6^2\})$	587069462016
6	$\mathcal{O}(4; \{2^{14}, 3^{21}, 6^2\})$	4696545618432
6	$\mathcal{O}(4; \{2^{10}, 3^{24}, 6^2\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 3^{27}, 6^2\})$	300578990123520
6	$\mathcal{O}(4; \{2^2, 3^{30}, 6^2\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{39}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{35}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{31}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^{27}, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{23}, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 3^{16}, 6^3\})$	293533051392
6	$\mathcal{O}(4; \{2^{15}, 3^{19}, 6^3\})$	2348274488832
6	$\mathcal{O}(4; \{2^{11}, 3^{22}, 6^3\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^{25}, 6^3\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^{28}, 6^3\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{36}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{32}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^{28}, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{17}, 6^4\})$	1174135564800
6	$\mathcal{O}(4; \{2^{12}, 3^{20}, 6^4\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{23}, 6^4\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{26}, 6^4\})$	601157983606272
6	$\mathcal{O}(4; \{3^{29}, 6^4\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{37}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{33}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^{29}, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^{15}, 6^5\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{18}, 6^5\})$	4696545618432
6	$\mathcal{O}(4; \{2^9, 3^{21}, 6^5\})$	37572375025152

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^5, 3^{24}, 6^5\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{27}, 6^5\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{34}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{30}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^{13}, 6^6\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{16}, 6^6\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{19}, 6^6\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{22}, 6^6\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{25}, 6^6\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{31}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^{27}, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^{11}, 6^7\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{14}, 6^7\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{17}, 6^7\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{20}, 6^7\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{23}, 6^7\})$	601157983606272
6	$\mathcal{O}(4; \{2^{32}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^{28}, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{12}, 6^8\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{15}, 6^8\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{18}, 6^8\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{21}, 6^8\})$	300578990123520
6	$\mathcal{O}(4; \{3^{24}, 6^8\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{29}, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^{25}, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^{10}, 6^9\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{13}, 6^9\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{16}, 6^9\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{19}, 6^9\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{22}, 6^9\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{26}, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^8, 6^{10}\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^{11}, 6^{10}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{14}, 6^{10}\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{17}, 6^{10}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{20}, 6^{10}\})$	601157983606272

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{27}, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{23}, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^6, 6^{11}\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^9, 6^{11}\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{12}, 6^{11}\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{15}, 6^{11}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{18}, 6^{11}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{24}, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{2^{20}, 3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^7, 6^{12}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^{10}, 6^{12}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{13}, 6^{12}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{16}, 6^{12}\})$	150289496741376
6	$\mathcal{O}(4; \{3^{19}, 6^{12}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{21}, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^5, 6^{13}\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^8, 6^{13}\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^{11}, 6^{13}\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{14}, 6^{13}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{17}, 6^{13}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{22}, 6^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{18}, 3^3, 6^{14}\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^6, 6^{14}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^9, 6^{14}\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^{12}, 6^{14}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{15}, 6^{14}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{19}, 3, 6^{15}\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3^4, 6^{15}\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^7, 6^{15}\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^{10}, 6^{15}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{13}, 6^{15}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{16}, 3^2, 6^{16}\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^5, 6^{16}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^8, 6^{16}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^{11}, 6^{16}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{14}, 6^{16}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{17}, 6^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^3, 6^{17}\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^6, 6^{17}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^9, 6^{17}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{12}, 6^{17}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{14}, 3, 6^{18}\})$	293533051392
6	$\mathcal{O}(4; \{2^{10}, 3^4, 6^{18}\})$	2348274488832

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^6, 3^7, 6^{18}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^{10}, 6^{18}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6^{19}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^5, 6^{19}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^8, 6^{19}\})$	75144746691072
6	$\mathcal{O}(4; \{2^{12}, 6^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^8, 3^3, 6^{20}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^6, 6^{20}\})$	37572375025152
6	$\mathcal{O}(4; \{3^9, 6^{20}\})$	300578990123520
6	$\mathcal{O}(4; \{2^9, 3, 6^{21}\})$	2348274488832
6	$\mathcal{O}(4; \{2^5, 3^4, 6^{21}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^7, 6^{21}\})$	150289496741376
6	$\mathcal{O}(4; \{2^6, 3^2, 6^{22}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^5, 6^{22}\})$	75144746691072
6	$\mathcal{O}(4; \{2^7, 6^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2^3, 3^3, 6^{23}\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3, 6^{24}\})$	18786185832960
6	$\mathcal{O}(4; \{3^4, 6^{24}\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^2, 6^{25}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 6^{26}\})$	37572375025152
6	$\mathcal{O}(3; \{2^{44}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{40}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{36}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{32}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{28}, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{24}, 3^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{20}, 3^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{16}, 3^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^{12}, 3^{28}\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 3^{31}\})$	33397665662592
6	$\mathcal{O}(3; \{2^4, 3^{34}\})$	267181325580672
6	$\mathcal{O}(3; \{3^{37}\})$	2104052938672230
6	$\mathcal{O}(3; \{2^{45}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{41}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{37}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{33}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{29}, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{25}, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{21}, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{17}, 3^{23}, 6\})$	260919294336
6	$\mathcal{O}(3; \{2^{13}, 3^{26}, 6\})$	2087354074752
6	$\mathcal{O}(3; \{2^9, 3^{29}, 6\})$	16698832877952
6	$\mathcal{O}(3; \{2^5, 3^{32}, 6\})$	133590662743680

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2, 3^{35}, 6\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{46}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{42}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{38}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{34}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{30}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{26}, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{22}, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{18}, 3^{21}, 6^2\})$	130459600512
6	$\mathcal{O}(3; \{2^{14}, 3^{24}, 6^2\})$	1043677084032
6	$\mathcal{O}(3; \{2^{10}, 3^{27}, 6^2\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3^{30}, 6^2\})$	66795331418496
6	$\mathcal{O}(3; \{2^2, 3^{33}, 6^2\})$	534362651068032
6	$\mathcal{O}(3; \{2^{43}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{39}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{35}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{31}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^{27}, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{23}, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3^{19}, 6^3\})$	65229846912
6	$\mathcal{O}(3; \{2^{15}, 3^{22}, 6^3\})$	521838495360
6	$\mathcal{O}(3; \{2^{11}, 3^{25}, 6^3\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3^{28}, 6^3\})$	33397665662592
6	$\mathcal{O}(3; \{2^3, 3^{31}, 6^3\})$	267181325580672
6	$\mathcal{O}(3; \{2^{40}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{36}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{32}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{20}, 6^4\})$	260919294336
6	$\mathcal{O}(3; \{2^{12}, 3^{23}, 6^4\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{26}, 6^4\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{29}, 6^4\})$	133590662743680
6	$\mathcal{O}(3; \{3^{32}, 6^4\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{41}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{37}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{33}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^{29}, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{18}, 6^5\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{21}, 6^5\})$	1043677084032

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^9, 3^{24}, 6^5\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{27}, 6^5\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{30}, 6^5\})$	534362651068032
6	$\mathcal{O}(3; \{2^{38}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{34}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{16}, 6^6\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{19}, 6^6\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{22}, 6^6\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{25}, 6^6\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{28}, 6^6\})$	267181325580672
6	$\mathcal{O}(3; \{2^{35}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{31}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{14}, 6^7\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{17}, 6^7\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{20}, 6^7\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{23}, 6^7\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{26}, 6^7\})$	133590662743680
6	$\mathcal{O}(3; \{2^{36}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{32}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{15}, 6^8\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{18}, 6^8\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{21}, 6^8\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{24}, 6^8\})$	66795331418496
6	$\mathcal{O}(3; \{3^{27}, 6^8\})$	534362651068032
6	$\mathcal{O}(3; \{2^{33}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^{29}, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^{13}, 6^9\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{16}, 6^9\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{19}, 6^9\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{22}, 6^9\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{25}, 6^9\})$	267181325580672
6	$\mathcal{O}(3; \{2^{30}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^5, 6^{10}\})$	509576832

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{22}, 3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^{11}, 6^{10}\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{14}, 6^{10}\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{17}, 6^{10}\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{20}, 6^{10}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{23}, 6^{10}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{31}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{27}, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^9, 6^{11}\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{12}, 6^{11}\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{15}, 6^{11}\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{18}, 6^{11}\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{21}, 6^{11}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{28}, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^{24}, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^{10}, 6^{12}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{13}, 6^{12}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{16}, 6^{12}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{19}, 6^{12}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{22}, 6^{12}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{25}, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^8, 6^{13}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^{11}, 6^{13}\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{14}, 6^{13}\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{17}, 6^{13}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{20}, 6^{13}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{26}, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{22}, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^6, 6^{14}\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^9, 6^{14}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{12}, 6^{14}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{15}, 6^{14}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{18}, 6^{14}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{23}, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^4, 6^{15}\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^7, 6^{15}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^{10}, 6^{15}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{13}, 6^{15}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{16}, 6^{15}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{20}, 3^2, 6^{16}\})$	4076894592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{16}, 3^5, 6^{16}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^8, 6^{16}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^{11}, 6^{16}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{14}, 6^{16}\})$	16698832877952
6	$\mathcal{O}(3; \{3^{17}, 6^{16}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{21}, 6^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3^3, 6^{17}\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^6, 6^{17}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^9, 6^{17}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{12}, 6^{17}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{15}, 6^{17}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{18}, 3, 6^{18}\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3^4, 6^{18}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^7, 6^{18}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^{10}, 6^{18}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{13}, 6^{18}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6^{19}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6^{19}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^8, 6^{19}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6^{19}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{16}, 6^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^{20}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^6, 6^{20}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^9, 6^{20}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{12}, 6^{20}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{13}, 3, 6^{21}\})$	65229846912
6	$\mathcal{O}(3; \{2^9, 3^4, 6^{21}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^7, 6^{21}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^{10}, 6^{21}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{10}, 3^2, 6^{22}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^5, 6^{22}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^8, 6^{22}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{11}, 6^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^7, 3^3, 6^{23}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^6, 6^{23}\})$	8349416392320
6	$\mathcal{O}(3; \{2^8, 3, 6^{24}\})$	521838495360
6	$\mathcal{O}(3; \{2^4, 3^4, 6^{24}\})$	4174708242816
6	$\mathcal{O}(3; \{3^7, 6^{24}\})$	33397665662592
6	$\mathcal{O}(3; \{2^5, 3^2, 6^{25}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^5, 6^{25}\})$	16698832877952
6	$\mathcal{O}(3; \{2^6, 6^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{2^2, 3^3, 6^{26}\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3, 6^{27}\})$	4174708242816

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^2, 6^{28}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 6^{29}\})$	8349416392320
6	$\mathcal{O}(2; \{2^{48}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{44}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{40}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{36}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{32}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{28}, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{24}, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{20}, 3^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^{16}, 3^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^{12}, 3^{31}\})$	927712935072
6	$\mathcal{O}(2; \{2^8, 3^{34}\})$	7421703488352
6	$\mathcal{O}(2; \{2^4, 3^{37}\})$	59373627899040
6	$\mathcal{O}(2; \{3^{40}\})$	445302209250090
6	$\mathcal{O}(2; \{2^{49}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{45}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{41}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{37}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{33}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^{29}, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{25}, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^{21}, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 3^{26}, 6\})$	57982057632
6	$\mathcal{O}(2; \{2^{13}, 3^{29}, 6\})$	463856468832
6	$\mathcal{O}(2; \{2^9, 3^{32}, 6\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 3^{35}, 6\})$	29686813950816
6	$\mathcal{O}(2; \{2, 3^{38}, 6\})$	237494511598752
6	$\mathcal{O}(2; \{2^{50}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{46}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{42}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{38}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{34}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{30}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^{26}, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^{24}, 6^2\})$	28991030112
6	$\mathcal{O}(2; \{2^{14}, 3^{27}, 6^2\})$	231928233120
6	$\mathcal{O}(2; \{2^{10}, 3^{30}, 6^2\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^{33}, 6^2\})$	14843406974112
6	$\mathcal{O}(2; \{2^2, 3^{36}, 6^2\})$	118747255800672
6	$\mathcal{O}(2; \{2^{47}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{43}, 3^4, 6^3\})$	54432

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{39}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{35}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{31}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^{27}, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^{22}, 6^3\})$	14495513760
6	$\mathcal{O}(2; \{2^{15}, 3^{25}, 6^3\})$	115964117856
6	$\mathcal{O}(2; \{2^{11}, 3^{28}, 6^3\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^{31}, 6^3\})$	7421703488352
6	$\mathcal{O}(2; \{2^3, 3^{34}, 6^3\})$	59373627899040
6	$\mathcal{O}(2; \{2^{44}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{40}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{36}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{20}, 6^4\})$	7247758176
6	$\mathcal{O}(2; \{2^{16}, 3^{23}, 6^4\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{26}, 6^4\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{29}, 6^4\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{32}, 6^4\})$	29686813950816
6	$\mathcal{O}(2; \{3^{35}, 6^4\})$	237494511598752
6	$\mathcal{O}(2; \{2^{45}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{41}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{37}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{21}, 6^5\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{24}, 6^5\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{27}, 6^5\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{30}, 6^5\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{33}, 6^5\})$	118747255800672
6	$\mathcal{O}(2; \{2^{42}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{38}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{19}, 6^6\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{22}, 6^6\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{25}, 6^6\})$	927712935072

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^6, 3^{28}, 6^6\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{31}, 6^6\})$	59373627899040
6	$\mathcal{O}(2; \{2^{39}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{35}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{17}, 6^7\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{20}, 6^7\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{23}, 6^7\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{26}, 6^7\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{29}, 6^7\})$	29686813950816
6	$\mathcal{O}(2; \{2^{40}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{36}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{15}, 6^8\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{18}, 6^8\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{21}, 6^8\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{24}, 6^8\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{27}, 6^8\})$	14843406974112
6	$\mathcal{O}(2; \{3^{30}, 6^8\})$	118747255800672
6	$\mathcal{O}(2; \{2^{37}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{33}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{16}, 6^9\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{19}, 6^9\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{22}, 6^9\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{25}, 6^9\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{28}, 6^9\})$	59373627899040
6	$\mathcal{O}(2; \{2^{34}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{14}, 6^{10}\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{17}, 6^{10}\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{20}, 6^{10}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{23}, 6^{10}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{26}, 6^{10}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{35}, 6^{11}\})$	883872

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{31}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{12}, 6^{11}\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{15}, 6^{11}\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{18}, 6^{11}\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{21}, 6^{11}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{24}, 6^{11}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{32}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^{28}, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{13}, 6^{12}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{16}, 6^{12}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{19}, 6^{12}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{22}, 6^{12}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{25}, 6^{12}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{29}, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^{11}, 6^{13}\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{14}, 6^{13}\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{17}, 6^{13}\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{20}, 6^{13}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{23}, 6^{13}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{30}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{26}, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^9, 6^{14}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{12}, 6^{14}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{15}, 6^{14}\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{18}, 6^{14}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{21}, 6^{14}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{27}, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^{23}, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^7, 6^{15}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^{10}, 6^{15}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{13}, 6^{15}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{16}, 6^{15}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{19}, 6^{15}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{24}, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^8, 6^{16}\})$	7247758176

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{12}, 3^{11}, 6^{16}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{14}, 6^{16}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{17}, 6^{16}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{20}, 6^{16}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{25}, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{21}, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^6, 6^{17}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^9, 6^{17}\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{12}, 6^{17}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{15}, 6^{17}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{18}, 6^{17}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{22}, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 3^4, 6^{18}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^7, 6^{18}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^{10}, 6^{18}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{13}, 6^{18}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{16}, 6^{18}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{19}, 3^2, 6^{19}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^5, 6^{19}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^8, 6^{19}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^{11}, 6^{19}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{14}, 6^{19}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{20}, 6^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^3, 6^{20}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^6, 6^{20}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^9, 6^{20}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{12}, 6^{20}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{15}, 6^{20}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{17}, 3, 6^{21}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3^4, 6^{21}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^7, 6^{21}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^{10}, 6^{21}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{13}, 6^{21}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{14}, 3^2, 6^{22}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^5, 6^{22}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^8, 6^{22}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^{11}, 6^{22}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{15}, 6^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{11}, 3^3, 6^{23}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^6, 6^{23}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^9, 6^{23}\})$	1855425872736
6	$\mathcal{O}(2; \{2^{12}, 3, 6^{24}\})$	14495513760
6	$\mathcal{O}(2; \{2^8, 3^4, 6^{24}\})$	115964117856

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^4, 3^7, 6^{24}\})$	927712935072
6	$\mathcal{O}(2; \{3^{10}, 6^{24}\})$	7421703488352
6	$\mathcal{O}(2; \{2^9, 3^2, 6^{25}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^5, 6^{25}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^8, 6^{25}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{10}, 6^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^6, 3^3, 6^{26}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^6, 6^{26}\})$	1855425872736
6	$\mathcal{O}(2; \{2^7, 3, 6^{27}\})$	115964117856
6	$\mathcal{O}(2; \{2^3, 3^4, 6^{27}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^2, 6^{28}\})$	463856468832
6	$\mathcal{O}(2; \{3^5, 6^{28}\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 6^{29}\})$	231928233120
6	$\mathcal{O}(2; \{2, 3^3, 6^{29}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3, 6^{30}\})$	927712935072
6	$\mathcal{O}(2; \{6^{32}\})$	1855425872736
6	$\mathcal{O}(1; \{2^{52}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{48}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{44}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{40}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{36}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{32}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{28}, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{20}, 3^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^{16}, 3^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2^{12}, 3^{34}\})$	206158430232
6	$\mathcal{O}(1; \{2^8, 3^{37}\})$	1649267441640
6	$\mathcal{O}(1; \{2^4, 3^{40}\})$	13194139533336
6	$\mathcal{O}(1; \{3^{43}\})$	79164837199854
6	$\mathcal{O}(1; \{2^{53}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{49}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{45}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{41}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{37}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{33}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^{29}, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^{25}, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{21}, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{17}, 3^{29}, 6\})$	12884901912
6	$\mathcal{O}(1; \{2^{13}, 3^{32}, 6\})$	103079215080
6	$\mathcal{O}(1; \{2^9, 3^{35}, 6\})$	824633720856
6	$\mathcal{O}(1; \{2^5, 3^{38}, 6\})$	6597069766632

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2, 3^{41}, 6\})$	52776558133272
6	$\mathcal{O}(1; \{2^{54}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{50}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{46}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{42}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{38}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{34}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{30}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^{26}, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3^{27}, 6^2\})$	6442450920
6	$\mathcal{O}(1; \{2^{14}, 3^{30}, 6^2\})$	51539607576
6	$\mathcal{O}(1; \{2^{10}, 3^{33}, 6^2\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3^{36}, 6^2\})$	3298534883352
6	$\mathcal{O}(1; \{2^2, 3^{39}, 6^2\})$	26388279066600
6	$\mathcal{O}(1; \{2^{51}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{47}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{43}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{39}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{35}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{31}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^{27}, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^{23}, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3^{25}, 6^3\})$	3221225496
6	$\mathcal{O}(1; \{2^{15}, 3^{28}, 6^3\})$	25769803752
6	$\mathcal{O}(1; \{2^{11}, 3^{31}, 6^3\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3^{34}, 6^3\})$	1649267441640
6	$\mathcal{O}(1; \{2^3, 3^{37}, 6^3\})$	13194139533336
6	$\mathcal{O}(1; \{2^{48}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{44}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{40}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{16}, 3^{26}, 6^4\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{29}, 6^4\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{32}, 6^4\})$	824633720856
6	$\mathcal{O}(1; \{2^4, 3^{35}, 6^4\})$	6597069766632
6	$\mathcal{O}(1; \{3^{38}, 6^4\})$	52776558133272
6	$\mathcal{O}(1; \{2^{49}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{45}, 3^3, 6^5\})$	3096

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{41}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^{25}, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{24}, 6^5\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{27}, 6^5\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{30}, 6^5\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{33}, 6^5\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{36}, 6^5\})$	26388279066600
6	$\mathcal{O}(1; \{2^{46}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{42}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{22}, 6^6\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{25}, 6^6\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{28}, 6^6\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{31}, 6^6\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{34}, 6^6\})$	13194139533336
6	$\mathcal{O}(1; \{2^{43}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{39}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{20}, 6^7\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{23}, 6^7\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{26}, 6^7\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{29}, 6^7\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{32}, 6^7\})$	6597069766632
6	$\mathcal{O}(1; \{2^{44}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{40}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{21}, 6^8\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{24}, 6^8\})$	51539607576

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3^{27}, 6^8\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{30}, 6^8\})$	3298534883352
6	$\mathcal{O}(1; \{3^{33}, 6^8\})$	26388279066600
6	$\mathcal{O}(1; \{2^{41}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{37}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{19}, 6^9\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{22}, 6^9\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{25}, 6^9\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{28}, 6^9\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{31}, 6^9\})$	13194139533336
6	$\mathcal{O}(1; \{2^{38}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{17}, 6^{10}\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{20}, 6^{10}\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{23}, 6^{10}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{26}, 6^{10}\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{29}, 6^{10}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{39}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{35}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{15}, 6^{11}\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{18}, 6^{11}\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{21}, 6^{11}\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{24}, 6^{11}\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{27}, 6^{11}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{36}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{32}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{16}, 6^{12}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{19}, 6^{12}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{22}, 6^{12}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{25}, 6^{12}\})$	1649267441640

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{3^{28}, 6^{12}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{33}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^{11}, 6^{13}\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{14}, 6^{13}\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{17}, 6^{13}\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{20}, 6^{13}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{23}, 6^{13}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{26}, 6^{13}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{34}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{30}, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{12}, 6^{14}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{15}, 6^{14}\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{18}, 6^{14}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{21}, 6^{14}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{24}, 6^{14}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{31}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^{27}, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^{10}, 6^{15}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{13}, 6^{15}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{16}, 6^{15}\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{19}, 6^{15}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{22}, 6^{15}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{28}, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^{11}, 6^{16}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{14}, 6^{16}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{17}, 6^{16}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{20}, 6^{16}\})$	824633720856
6	$\mathcal{O}(1; \{3^{23}, 6^{16}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{29}, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{25}, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^9, 6^{17}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{12}, 6^{17}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{15}, 6^{17}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{18}, 6^{17}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{21}, 6^{17}\})$	3298534883352

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{26}, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^{22}, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^7, 6^{18}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^{10}, 6^{18}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{13}, 6^{18}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{16}, 6^{18}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{19}, 6^{18}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{23}, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^5, 6^{19}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^8, 6^{19}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^{11}, 6^{19}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{14}, 6^{19}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{17}, 6^{19}\})$	824633720856
6	$\mathcal{O}(1; \{2^{24}, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{20}, 3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^6, 6^{20}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^9, 6^{20}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{12}, 6^{20}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{15}, 6^{20}\})$	412316860392
6	$\mathcal{O}(1; \{3^{18}, 6^{20}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{21}, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^4, 6^{21}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^7, 6^{21}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^{10}, 6^{21}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{13}, 6^{21}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{16}, 6^{21}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{18}, 3^2, 6^{22}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^5, 6^{22}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^8, 6^{22}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^{11}, 6^{22}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{14}, 6^{22}\})$	824633720856
6	$\mathcal{O}(1; \{2^{19}, 6^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^3, 6^{23}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^6, 6^{23}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^9, 6^{23}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{12}, 6^{23}\})$	412316860392
6	$\mathcal{O}(1; \{2^{16}, 3, 6^{24}\})$	402653160
6	$\mathcal{O}(1; \{2^{12}, 3^4, 6^{24}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^7, 6^{24}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^{10}, 6^{24}\})$	206158430232
6	$\mathcal{O}(1; \{3^{13}, 6^{24}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6^{25}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^5, 6^{25}\})$	12884901912

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^8, 6^{25}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^{11}, 6^{25}\})$	824633720856
6	$\mathcal{O}(1; \{2^{14}, 6^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^{26}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^6, 6^{26}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^9, 6^{26}\})$	412316860392
6	$\mathcal{O}(1; \{2^{11}, 3, 6^{27}\})$	3221225496
6	$\mathcal{O}(1; \{2^7, 3^4, 6^{27}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^7, 6^{27}\})$	206158430232
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{28}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{28}\})$	103079215080
6	$\mathcal{O}(1; \{3^8, 6^{28}\})$	824633720856
6	$\mathcal{O}(1; \{2^9, 6^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{29}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^6, 6^{29}\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3, 6^{30}\})$	25769803752
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{30}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{31}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 6^{32}\})$	51539607576
6	$\mathcal{O}(1; \{3^3, 6^{32}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3, 6^{33}\})$	206158430232
6	$\mathcal{O}(0; \{2^{56}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{52}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{48}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{44}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{40}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{36}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{32}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{28}, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{24}, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{20}, 3^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^{16}, 3^{34}\})$	5726623062
6	$\mathcal{O}(0; \{2^{12}, 3^{37}\})$	45812984490
6	$\mathcal{O}(0; \{2^8, 3^{40}\})$	366503875926
6	$\mathcal{O}(0; \{2^4, 3^{43}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{57}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{53}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{49}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{45}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{41}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{37}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{33}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^{29}, 3^{23}, 6\})$	5592406

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{25}, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 3^{29}, 6\})$	357913942
6	$\mathcal{O}(0; \{2^{17}, 3^{32}, 6\})$	2863311530
6	$\mathcal{O}(0; \{2^{13}, 3^{35}, 6\})$	22906492246
6	$\mathcal{O}(0; \{2^9, 3^{38}, 6\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 3^{41}, 6\})$	1466015503702
6	$\mathcal{O}(0; \{2, 3^{44}, 6\})$	11728124029610
6	$\mathcal{O}(0; \{2^{58}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{54}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{50}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{46}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{42}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{38}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{34}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^{30}, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{18}, 3^{30}, 6^2\})$	1431655766
6	$\mathcal{O}(0; \{2^{14}, 3^{33}, 6^2\})$	11453246122
6	$\mathcal{O}(0; \{2^{10}, 3^{36}, 6^2\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^{39}, 6^2\})$	733007751850
6	$\mathcal{O}(0; \{2^2, 3^{42}, 6^2\})$	5864062014806
6	$\mathcal{O}(0; \{2^{55}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{51}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{47}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{43}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{39}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{35}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^{31}, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{19}, 3^{28}, 6^3\})$	715827882
6	$\mathcal{O}(0; \{2^{15}, 3^{31}, 6^3\})$	5726623062
6	$\mathcal{O}(0; \{2^{11}, 3^{34}, 6^3\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^{37}, 6^3\})$	366503875926
6	$\mathcal{O}(0; \{2^3, 3^{40}, 6^3\})$	2932031007402
6	$\mathcal{O}(0; \{2^{52}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{48}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{44}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{32}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{20}, 6^4\})$	5592406

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{24}, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{26}, 6^4\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{29}, 6^4\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{32}, 6^4\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{35}, 6^4\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{38}, 6^4\})$	1466015503702
6	$\mathcal{O}(0; \{3^{41}, 6^4\})$	11728124029610
6	$\mathcal{O}(0; \{2^{53}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{49}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{45}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{41}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{24}, 6^5\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{27}, 6^5\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{30}, 6^5\})$	11453246122
6	$\mathcal{O}(0; \{2^9, 3^{33}, 6^5\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{36}, 6^5\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{39}, 6^5\})$	5864062014806
6	$\mathcal{O}(0; \{2^{50}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{46}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{25}, 6^6\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{28}, 6^6\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{31}, 6^6\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{34}, 6^6\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{37}, 6^6\})$	2932031007402
6	$\mathcal{O}(0; \{2^{47}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{43}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{23}, 6^7\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{26}, 6^7\})$	2863311530

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{11}, 3^{29}, 6^7\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{32}, 6^7\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{35}, 6^7\})$	1466015503702
6	$\mathcal{O}(0; \{2^{48}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{44}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{24}, 6^8\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{27}, 6^8\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{30}, 6^8\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{33}, 6^8\})$	733007751850
6	$\mathcal{O}(0; \{3^{36}, 6^8\})$	5864062014806
6	$\mathcal{O}(0; \{2^{45}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{41}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{22}, 6^9\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{25}, 6^9\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{28}, 6^9\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{31}, 6^9\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{34}, 6^9\})$	2932031007402
6	$\mathcal{O}(0; \{2^{42}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{20}, 6^{10}\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{23}, 6^{10}\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{26}, 6^{10}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{29}, 6^{10}\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{32}, 6^{10}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{43}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{39}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^9, 6^{11}\})$	349526

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{27}, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{18}, 6^{11}\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{21}, 6^{11}\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{24}, 6^{11}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{27}, 6^{11}\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{30}, 6^{11}\})$	733007751850
6	$\mathcal{O}(0; \{2^{40}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{36}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{16}, 6^{12}\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{19}, 6^{12}\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{22}, 6^{12}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{25}, 6^{12}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{28}, 6^{12}\})$	366503875926
6	$\mathcal{O}(0; \{3^{31}, 6^{12}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{37}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{17}, 6^{13}\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{20}, 6^{13}\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{23}, 6^{13}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{26}, 6^{13}\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{29}, 6^{13}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{38}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{34}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{15}, 6^{14}\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{18}, 6^{14}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{21}, 6^{14}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{24}, 6^{14}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{27}, 6^{14}\})$	733007751850
6	$\mathcal{O}(0; \{2^{35}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{31}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{13}, 6^{15}\})$	89478486

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{15}, 3^{16}, 6^{15}\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{19}, 6^{15}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{22}, 6^{15}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{25}, 6^{15}\})$	366503875926
6	$\mathcal{O}(0; \{2^{32}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{14}, 6^{16}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{17}, 6^{16}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{20}, 6^{16}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{23}, 6^{16}\})$	183251937962
6	$\mathcal{O}(0; \{3^{26}, 6^{16}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{33}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{29}, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{12}, 6^{17}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{15}, 6^{17}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{18}, 6^{17}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{21}, 6^{17}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{24}, 6^{17}\})$	733007751850
6	$\mathcal{O}(0; \{2^{30}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^{26}, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^{10}, 6^{18}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{13}, 6^{18}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{16}, 6^{18}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{19}, 6^{18}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{22}, 6^{18}\})$	366503875926
6	$\mathcal{O}(0; \{2^{27}, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^8, 6^{19}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^{11}, 6^{19}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{14}, 6^{19}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{17}, 6^{19}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{20}, 6^{19}\})$	183251937962
6	$\mathcal{O}(0; \{2^{28}, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^9, 6^{20}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{12}, 6^{20}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{15}, 6^{20}\})$	11453246122

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^{18}, 6^{20}\})$	91625968982
6	$\mathcal{O}(0; \{3^{21}, 6^{20}\})$	733007751850
6	$\mathcal{O}(0; \{2^{25}, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2^{21}, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^7, 6^{21}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6^{21}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{13}, 6^{21}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{16}, 6^{21}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{19}, 6^{21}\})$	366503875926
6	$\mathcal{O}(0; \{2^{22}, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^5, 6^{22}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^8, 6^{22}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^{22}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{14}, 6^{22}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{17}, 6^{22}\})$	183251937962
6	$\mathcal{O}(0; \{2^{23}, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{19}, 3^3, 6^{23}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^6, 6^{23}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^9, 6^{23}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{12}, 6^{23}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{15}, 6^{23}\})$	91625968982
6	$\mathcal{O}(0; \{2^{20}, 3, 6^{24}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3^4, 6^{24}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^7, 6^{24}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^{10}, 6^{24}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{13}, 6^{24}\})$	45812984490
6	$\mathcal{O}(0; \{3^{16}, 6^{24}\})$	366503875926
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6^{25}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6^{25}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^8, 6^{25}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6^{25}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{14}, 6^{25}\})$	183251937962
6	$\mathcal{O}(0; \{2^{18}, 6^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^{26}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^{26}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^9, 6^{26}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^{26}\})$	91625968982
6	$\mathcal{O}(0; \{2^{15}, 3, 6^{27}\})$	89478486
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^{27}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^7, 6^{27}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^{27}\})$	45812984490
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{28}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{28}\})$	2863311530

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{28}\})$	22906492246
6	$\mathcal{O}(0; \{3^{11}, 6^{28}\})$	183251937962
6	$\mathcal{O}(0; \{2^{13}, 6^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{29}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{29}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^9, 6^{29}\})$	91625968982
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{30}\})$	715827882
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{30}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{30}\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{31}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{31}\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 6^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{32}\})$	11453246122
6	$\mathcal{O}(0; \{3^6, 6^{32}\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3, 6^{33}\})$	5726623062
6	$\mathcal{O}(0; \{2, 3^4, 6^{33}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{34}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 6^{35}\})$	11453246122
6	$\mathcal{O}(0; \{3, 6^{36}\})$	45812984490
7	$\mathcal{O}(12; \{7^3\})$	5747436941416992432030
7	$\mathcal{O}(9; \{7^{10}\})$	14066278997504004133674
7	$\mathcal{O}(6; \{7^{17}\})$	33469536389718159414390
7	$\mathcal{O}(3; \{7^{24}\})$	79637975153171415271914
7	$\mathcal{O}(0; \{7^{31}\})$	189491931189200021056950
8	$\mathcal{O}(11; \{4^2\})$	147573917405304324096
8	$\mathcal{O}(10; \{2^4, 4^2\})$	2305840810190438400
8	$\mathcal{O}(10; \{2, 4^4\})$	9223363240761753600
8	$\mathcal{O}(10; \{2^2, 4, 8^2\})$	9223372036854775808
8	$\mathcal{O}(10; \{8^4\})$	73786976294838206464
8	$\mathcal{O}(9; \{2^8, 4^2\})$	36028659580010496
8	$\mathcal{O}(9; \{2^5, 4^4\})$	144114638320041984
8	$\mathcal{O}(9; \{2^2, 4^6\})$	576458553280167936
8	$\mathcal{O}(9; \{2^6, 4, 8^2\})$	144115188075855872
8	$\mathcal{O}(9; \{2^3, 4^3, 8^2\})$	576460752303423488
8	$\mathcal{O}(9; \{4^5, 8^2\})$	2305843009213693952
8	$\mathcal{O}(9; \{2^4, 8^4\})$	1152921504606846976
8	$\mathcal{O}(9; \{2, 4^2, 8^4\})$	4611686018427387904
8	$\mathcal{O}(8; \{2^{12}, 4^2\})$	562941363486720
8	$\mathcal{O}(8; \{2^9, 4^4\})$	2251765453946880
8	$\mathcal{O}(8; \{2^6, 4^6\})$	9007061815787520
8	$\mathcal{O}(8; \{2^3, 4^8\})$	36028247263150080
8	$\mathcal{O}(8; \{4^{10}\})$	144112989052600320
8	$\mathcal{O}(8; \{2^{10}, 4, 8^2\})$	2251799813685248

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
8	$\mathcal{O}(8; \{2^7, 4^3, 8^2\})$	9007199254740992
8	$\mathcal{O}(8; \{2^4, 4^5, 8^2\})$	36028797018963968
8	$\mathcal{O}(8; \{2, 4^7, 8^2\})$	144115188075855872
8	$\mathcal{O}(8; \{2^8, 8^4\})$	18014398509481984
8	$\mathcal{O}(8; \{2^5, 4^2, 8^4\})$	72057594037927936
8	$\mathcal{O}(8; \{2^2, 4^4, 8^4\})$	288230376151711744
8	$\mathcal{O}(8; \{2^3, 4, 8^6\})$	576460752303423488
8	$\mathcal{O}(8; \{4^3, 8^6\})$	2305843009213693952
8	$\mathcal{O}(8; \{2, 8^8\})$	4611686018427387904
8	$\mathcal{O}(7; \{2^{16}, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{2^{13}, 4^4\})$	35182224605184
8	$\mathcal{O}(7; \{2^{10}, 4^6\})$	140728898420736
8	$\mathcal{O}(7; \{2^7, 4^8\})$	562915593682944
8	$\mathcal{O}(7; \{2^4, 4^{10}\})$	2251662374731776
8	$\mathcal{O}(7; \{2, 4^{12}\})$	9006649498927104
8	$\mathcal{O}(7; \{2^{14}, 4, 8^2\})$	35184372088832
8	$\mathcal{O}(7; \{2^{11}, 4^3, 8^2\})$	140737488355328
8	$\mathcal{O}(7; \{2^8, 4^5, 8^2\})$	562949953421312
8	$\mathcal{O}(7; \{2^5, 4^7, 8^2\})$	2251799813685248
8	$\mathcal{O}(7; \{2^2, 4^9, 8^2\})$	9007199254740992
8	$\mathcal{O}(7; \{2^{12}, 8^4\})$	281474976710656
8	$\mathcal{O}(7; \{2^9, 4^2, 8^4\})$	1125899906842624
8	$\mathcal{O}(7; \{2^6, 4^4, 8^4\})$	4503599627370496
8	$\mathcal{O}(7; \{2^3, 4^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(7; \{4^8, 8^4\})$	72057594037927936
8	$\mathcal{O}(7; \{2^7, 4, 8^6\})$	9007199254740992
8	$\mathcal{O}(7; \{2^4, 4^3, 8^6\})$	36028797018963968
8	$\mathcal{O}(7; \{2, 4^5, 8^6\})$	144115188075855872
8	$\mathcal{O}(7; \{2^5, 8^8\})$	72057594037927936
8	$\mathcal{O}(7; \{2^2, 4^2, 8^8\})$	288230376151711744
8	$\mathcal{O}(7; \{4, 8^{10}\})$	2305843009213693952
8	$\mathcal{O}(6; \{2^{20}, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^{17}, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^{14}, 4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^{11}, 4^8\})$	8793945538560
8	$\mathcal{O}(6; \{2^8, 4^{10}\})$	35175782154240
8	$\mathcal{O}(6; \{2^5, 4^{12}\})$	140703128616960
8	$\mathcal{O}(6; \{2^2, 4^{14}\})$	562812514467840
8	$\mathcal{O}(6; \{2^{18}, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2^{15}, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^{12}, 4^5, 8^2\})$	8796093022208
8	$\mathcal{O}(6; \{2^9, 4^7, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^6, 4^9, 8^2\})$	140737488355328

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^3, 4^{11}, 8^2\})$	562949953421312
8	$\mathcal{O}(6; \{4^{13}, 8^2\})$	2251799813685248
8	$\mathcal{O}(6; \{2^{16}, 8^4\})$	4398046511104
8	$\mathcal{O}(6; \{2^{13}, 4^2, 8^4\})$	17592186044416
8	$\mathcal{O}(6; \{2^{10}, 4^4, 8^4\})$	70368744177664
8	$\mathcal{O}(6; \{2^7, 4^6, 8^4\})$	281474976710656
8	$\mathcal{O}(6; \{2^4, 4^8, 8^4\})$	1125899906842624
8	$\mathcal{O}(6; \{2, 4^{10}, 8^4\})$	4503599627370496
8	$\mathcal{O}(6; \{2^{11}, 4, 8^6\})$	140737488355328
8	$\mathcal{O}(6; \{2^8, 4^3, 8^6\})$	562949953421312
8	$\mathcal{O}(6; \{2^5, 4^5, 8^6\})$	2251799813685248
8	$\mathcal{O}(6; \{2^2, 4^7, 8^6\})$	9007199254740992
8	$\mathcal{O}(6; \{2^9, 8^8\})$	1125899906842624
8	$\mathcal{O}(6; \{2^6, 4^2, 8^8\})$	4503599627370496
8	$\mathcal{O}(6; \{2^3, 4^4, 8^8\})$	18014398509481984
8	$\mathcal{O}(6; \{4^6, 8^8\})$	72057594037927936
8	$\mathcal{O}(6; \{2^4, 4, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(6; \{2, 4^3, 8^{10}\})$	144115188075855872
8	$\mathcal{O}(6; \{2^2, 8^{12}\})$	288230376151711744
8	$\mathcal{O}(5; \{2^{24}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^{21}, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^{18}, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^{15}, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^{12}, 4^{10}\})$	549218942976
8	$\mathcal{O}(5; \{2^9, 4^{12}\})$	2196875771904
8	$\mathcal{O}(5; \{2^6, 4^{14}\})$	8787503087616
8	$\mathcal{O}(5; \{2^3, 4^{16}\})$	35150012350464
8	$\mathcal{O}(5; \{4^{18}\})$	140600049401856
8	$\mathcal{O}(5; \{2^{22}, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^{19}, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^{16}, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^{13}, 4^7, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^{10}, 4^9, 8^2\})$	2199023255552
8	$\mathcal{O}(5; \{2^7, 4^{11}, 8^2\})$	8796093022208
8	$\mathcal{O}(5; \{2^4, 4^{13}, 8^2\})$	35184372088832
8	$\mathcal{O}(5; \{2, 4^{15}, 8^2\})$	140737488355328
8	$\mathcal{O}(5; \{2^{20}, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^{17}, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{2^{14}, 4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2^{11}, 4^6, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^8, 4^8, 8^4\})$	17592186044416
8	$\mathcal{O}(5; \{2^5, 4^{10}, 8^4\})$	70368744177664
8	$\mathcal{O}(5; \{2^2, 4^{12}, 8^4\})$	281474976710656

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^{15}, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(5; \{2^{12}, 4^3, 8^6\})$	8796093022208
8	$\mathcal{O}(5; \{2^9, 4^5, 8^6\})$	35184372088832
8	$\mathcal{O}(5; \{2^6, 4^7, 8^6\})$	140737488355328
8	$\mathcal{O}(5; \{2^3, 4^9, 8^6\})$	562949953421312
8	$\mathcal{O}(5; \{4^{11}, 8^6\})$	2251799813685248
8	$\mathcal{O}(5; \{2^{13}, 8^8\})$	17592186044416
8	$\mathcal{O}(5; \{2^{10}, 4^2, 8^8\})$	70368744177664
8	$\mathcal{O}(5; \{2^7, 4^4, 8^8\})$	281474976710656
8	$\mathcal{O}(5; \{2^4, 4^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(5; \{2, 4^8, 8^8\})$	4503599627370496
8	$\mathcal{O}(5; \{2^8, 4, 8^{10}\})$	562949953421312
8	$\mathcal{O}(5; \{2^5, 4^3, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(5; \{2^2, 4^5, 8^{10}\})$	9007199254740992
8	$\mathcal{O}(5; \{2^6, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^3, 4^2, 8^{12}\})$	18014398509481984
8	$\mathcal{O}(5; \{4^4, 8^{12}\})$	72057594037927936
8	$\mathcal{O}(5; \{2, 4, 8^{14}\})$	144115188075855872
8	$\mathcal{O}(4; \{2^{28}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{25}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^{22}, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^{19}, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^{16}, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{13}, 4^{12}\})$	34225520640
8	$\mathcal{O}(4; \{2^{10}, 4^{14}\})$	136902082560
8	$\mathcal{O}(4; \{2^7, 4^{16}\})$	547608330240
8	$\mathcal{O}(4; \{2^4, 4^{18}\})$	2190433320960
8	$\mathcal{O}(4; \{2, 4^{20}\})$	8761733283840
8	$\mathcal{O}(4; \{2^{26}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^{23}, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^{20}, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^{17}, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{14}, 4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^{11}, 4^{11}, 8^2\})$	137438953472
8	$\mathcal{O}(4; \{2^8, 4^{13}, 8^2\})$	549755813888
8	$\mathcal{O}(4; \{2^5, 4^{15}, 8^2\})$	2199023255552
8	$\mathcal{O}(4; \{2^2, 4^{17}, 8^2\})$	8796093022208
8	$\mathcal{O}(4; \{2^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^{21}, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^{18}, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^{15}, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{12}, 4^8, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^9, 4^{10}, 8^4\})$	1099511627776

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^6, 4^{12}, 8^4\})$	4398046511104
8	$\mathcal{O}(4; \{2^3, 4^{14}, 8^4\})$	17592186044416
8	$\mathcal{O}(4; \{4^{16}, 8^4\})$	70368744177664
8	$\mathcal{O}(4; \{2^{19}, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^{16}, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^{13}, 4^5, 8^6\})$	549755813888
8	$\mathcal{O}(4; \{2^{10}, 4^7, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^7, 4^9, 8^6\})$	8796093022208
8	$\mathcal{O}(4; \{2^4, 4^{11}, 8^6\})$	35184372088832
8	$\mathcal{O}(4; \{2, 4^{13}, 8^6\})$	140737488355328
8	$\mathcal{O}(4; \{2^{17}, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{2^{14}, 4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(4; \{2^{11}, 4^4, 8^8\})$	4398046511104
8	$\mathcal{O}(4; \{2^8, 4^6, 8^8\})$	17592186044416
8	$\mathcal{O}(4; \{2^5, 4^8, 8^8\})$	70368744177664
8	$\mathcal{O}(4; \{2^2, 4^{10}, 8^8\})$	281474976710656
8	$\mathcal{O}(4; \{2^{12}, 4, 8^{10}\})$	8796093022208
8	$\mathcal{O}(4; \{2^9, 4^3, 8^{10}\})$	35184372088832
8	$\mathcal{O}(4; \{2^6, 4^5, 8^{10}\})$	140737488355328
8	$\mathcal{O}(4; \{2^3, 4^7, 8^{10}\})$	562949953421312
8	$\mathcal{O}(4; \{4^9, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^{10}, 8^{12}\})$	70368744177664
8	$\mathcal{O}(4; \{2^7, 4^2, 8^{12}\})$	281474976710656
8	$\mathcal{O}(4; \{2^4, 4^4, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(4; \{2, 4^6, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(4; \{2^5, 4, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^2, 4^3, 8^{14}\})$	9007199254740992
8	$\mathcal{O}(4; \{2^3, 8^{16}\})$	18014398509481984
8	$\mathcal{O}(4; \{4^2, 8^{16}\})$	72057594037927936
8	$\mathcal{O}(3; \{2^{32}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{29}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{26}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^{23}, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^{20}, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{17}, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{14}, 4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^{11}, 4^{16}\})$	8455716864
8	$\mathcal{O}(3; \{2^8, 4^{18}\})$	33822867456
8	$\mathcal{O}(3; \{2^5, 4^{20}\})$	135291469824
8	$\mathcal{O}(3; \{2^2, 4^{22}\})$	541165879296
8	$\mathcal{O}(3; \{2^{30}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{27}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{24}, 4^5, 8^2\})$	33554432

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{21}, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^{18}, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{15}, 4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^{12}, 4^{13}, 8^2\})$	8589934592
8	$\mathcal{O}(3; \{2^9, 4^{15}, 8^2\})$	34359738368
8	$\mathcal{O}(3; \{2^6, 4^{17}, 8^2\})$	137438953472
8	$\mathcal{O}(3; \{2^3, 4^{19}, 8^2\})$	549755813888
8	$\mathcal{O}(3; \{4^{21}, 8^2\})$	2199023255552
8	$\mathcal{O}(3; \{2^{28}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{25}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^{22}, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^{19}, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{16}, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{13}, 4^{10}, 8^4\})$	17179869184
8	$\mathcal{O}(3; \{2^{10}, 4^{12}, 8^4\})$	68719476736
8	$\mathcal{O}(3; \{2^7, 4^{14}, 8^4\})$	274877906944
8	$\mathcal{O}(3; \{2^4, 4^{16}, 8^4\})$	1099511627776
8	$\mathcal{O}(3; \{2, 4^{18}, 8^4\})$	4398046511104
8	$\mathcal{O}(3; \{2^{23}, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^{20}, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^{17}, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^{14}, 4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^{11}, 4^9, 8^6\})$	137438953472
8	$\mathcal{O}(3; \{2^8, 4^{11}, 8^6\})$	549755813888
8	$\mathcal{O}(3; \{2^5, 4^{13}, 8^6\})$	2199023255552
8	$\mathcal{O}(3; \{2^2, 4^{15}, 8^6\})$	8796093022208
8	$\mathcal{O}(3; \{2^{21}, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^{18}, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2^{15}, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^{12}, 4^6, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^9, 4^8, 8^8\})$	1099511627776
8	$\mathcal{O}(3; \{2^6, 4^{10}, 8^8\})$	4398046511104
8	$\mathcal{O}(3; \{2^3, 4^{12}, 8^8\})$	17592186044416
8	$\mathcal{O}(3; \{4^{14}, 8^8\})$	70368744177664
8	$\mathcal{O}(3; \{2^{16}, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(3; \{2^{13}, 4^3, 8^{10}\})$	549755813888
8	$\mathcal{O}(3; \{2^{10}, 4^5, 8^{10}\})$	2199023255552
8	$\mathcal{O}(3; \{2^7, 4^7, 8^{10}\})$	8796093022208
8	$\mathcal{O}(3; \{2^4, 4^9, 8^{10}\})$	35184372088832
8	$\mathcal{O}(3; \{2, 4^{11}, 8^{10}\})$	140737488355328
8	$\mathcal{O}(3; \{2^{14}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(3; \{2^{11}, 4^2, 8^{12}\})$	4398046511104
8	$\mathcal{O}(3; \{2^8, 4^4, 8^{12}\})$	17592186044416

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^5, 4^6, 8^{12}\})$	70368744177664
8	$\mathcal{O}(3; \{2^2, 4^8, 8^{12}\})$	281474976710656
8	$\mathcal{O}(3; \{2^9, 4, 8^{14}\})$	35184372088832
8	$\mathcal{O}(3; \{2^6, 4^3, 8^{14}\})$	140737488355328
8	$\mathcal{O}(3; \{2^3, 4^5, 8^{14}\})$	562949953421312
8	$\mathcal{O}(3; \{4^7, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(3; \{2^7, 8^{16}\})$	281474976710656
8	$\mathcal{O}(3; \{2^4, 4^2, 8^{16}\})$	1125899906842624
8	$\mathcal{O}(3; \{2, 4^4, 8^{16}\})$	4503599627370496
8	$\mathcal{O}(3; \{2^2, 4, 8^{18}\})$	9007199254740992
8	$\mathcal{O}(3; \{8^{20}\})$	72057594037927936
8	$\mathcal{O}(2; \{2^{36}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{33}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{30}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{27}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{24}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{21}, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{18}, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{15}, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{12}, 4^{18}\})$	503316480
8	$\mathcal{O}(2; \{2^9, 4^{20}\})$	2013265920
8	$\mathcal{O}(2; \{2^6, 4^{22}\})$	8053063680
8	$\mathcal{O}(2; \{2^3, 4^{24}\})$	32212254720
8	$\mathcal{O}(2; \{4^{26}\})$	128849018880
8	$\mathcal{O}(2; \{2^{34}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{31}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{28}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{25}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{22}, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{19}, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{16}, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{13}, 4^{15}, 8^2\})$	536870912
8	$\mathcal{O}(2; \{2^{10}, 4^{17}, 8^2\})$	2147483648
8	$\mathcal{O}(2; \{2^7, 4^{19}, 8^2\})$	8589934592
8	$\mathcal{O}(2; \{2^4, 4^{21}, 8^2\})$	34359738368
8	$\mathcal{O}(2; \{2, 4^{23}, 8^2\})$	137438953472
8	$\mathcal{O}(2; \{2^{32}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{29}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{26}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^{23}, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^{20}, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^{17}, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{14}, 4^{12}, 8^4\})$	1073741824

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{11}, 4^{14}, 8^4\})$	4294967296
8	$\mathcal{O}(2; \{2^8, 4^{16}, 8^4\})$	17179869184
8	$\mathcal{O}(2; \{2^5, 4^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(2; \{2^2, 4^{20}, 8^4\})$	274877906944
8	$\mathcal{O}(2; \{2^{27}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{24}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^{21}, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^{18}, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{15}, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{12}, 4^{11}, 8^6\})$	8589934592
8	$\mathcal{O}(2; \{2^9, 4^{13}, 8^6\})$	34359738368
8	$\mathcal{O}(2; \{2^6, 4^{15}, 8^6\})$	137438953472
8	$\mathcal{O}(2; \{2^3, 4^{17}, 8^6\})$	549755813888
8	$\mathcal{O}(2; \{4^{19}, 8^6\})$	219902325552
8	$\mathcal{O}(2; \{2^{25}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^{22}, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^{19}, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^{16}, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{13}, 4^8, 8^8\})$	17179869184
8	$\mathcal{O}(2; \{2^{10}, 4^{10}, 8^8\})$	68719476736
8	$\mathcal{O}(2; \{2^7, 4^{12}, 8^8\})$	274877906944
8	$\mathcal{O}(2; \{2^4, 4^{14}, 8^8\})$	1099511627776
8	$\mathcal{O}(2; \{2, 4^{16}, 8^8\})$	4398046511104
8	$\mathcal{O}(2; \{2^{20}, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^{17}, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^{14}, 4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^{11}, 4^7, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^8, 4^9, 8^{10}\})$	549755813888
8	$\mathcal{O}(2; \{2^5, 4^{11}, 8^{10}\})$	219902325552
8	$\mathcal{O}(2; \{2^2, 4^{13}, 8^{10}\})$	8796093022208
8	$\mathcal{O}(2; \{2^{18}, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2^{15}, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(2; \{2^{12}, 4^4, 8^{12}\})$	274877906944
8	$\mathcal{O}(2; \{2^9, 4^6, 8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^6, 4^8, 8^{12}\})$	4398046511104
8	$\mathcal{O}(2; \{2^3, 4^{10}, 8^{12}\})$	17592186044416
8	$\mathcal{O}(2; \{4^{12}, 8^{12}\})$	70368744177664
8	$\mathcal{O}(2; \{2^{13}, 4, 8^{14}\})$	549755813888
8	$\mathcal{O}(2; \{2^{10}, 4^3, 8^{14}\})$	219902325552
8	$\mathcal{O}(2; \{2^7, 4^5, 8^{14}\})$	8796093022208
8	$\mathcal{O}(2; \{2^4, 4^7, 8^{14}\})$	35184372088832
8	$\mathcal{O}(2; \{2, 4^9, 8^{14}\})$	140737488355328
8	$\mathcal{O}(2; \{2^{11}, 8^{16}\})$	4398046511104

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^8, 4^2, 8^{16}\})$	17592186044416
8	$\mathcal{O}(2; \{2^5, 4^4, 8^{16}\})$	70368744177664
8	$\mathcal{O}(2; \{2^2, 4^6, 8^{16}\})$	281474976710656
8	$\mathcal{O}(2; \{2^6, 4, 8^{18}\})$	140737488355328
8	$\mathcal{O}(2; \{2^3, 4^3, 8^{18}\})$	562949953421312
8	$\mathcal{O}(2; \{4^5, 8^{18}\})$	2251799813685248
8	$\mathcal{O}(2; \{2^4, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(2; \{2, 4^2, 8^{20}\})$	4503599627370496
8	$\mathcal{O}(1; \{2^{40}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{37}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{34}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{31}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{28}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{25}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{22}, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{19}, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{16}, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{13}, 4^{20}\})$	25165824
8	$\mathcal{O}(1; \{2^{10}, 4^{22}\})$	100663296
8	$\mathcal{O}(1; \{2^7, 4^{24}\})$	402653184
8	$\mathcal{O}(1; \{2^4, 4^{26}\})$	1610612736
8	$\mathcal{O}(1; \{2, 4^{28}\})$	6442450944
8	$\mathcal{O}(1; \{2^{38}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{35}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{32}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{29}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{26}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^{23}, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{20}, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{17}, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{14}, 4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^{11}, 4^{19}, 8^2\})$	134217728
8	$\mathcal{O}(1; \{2^8, 4^{21}, 8^2\})$	536870912
8	$\mathcal{O}(1; \{2^5, 4^{23}, 8^2\})$	2147483648
8	$\mathcal{O}(1; \{2^2, 4^{25}, 8^2\})$	8589934592
8	$\mathcal{O}(1; \{2^{36}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{33}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{30}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{27}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{24}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{21}, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{18}, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{15}, 4^{14}, 8^4\})$	67108864

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{12}, 4^{16}, 8^4\})$	268435456
8	$\mathcal{O}(1; \{2^9, 4^{18}, 8^4\})$	1073741824
8	$\mathcal{O}(1; \{2^6, 4^{20}, 8^4\})$	4294967296
8	$\mathcal{O}(1; \{2^3, 4^{22}, 8^4\})$	17179869184
8	$\mathcal{O}(1; \{4^{24}, 8^4\})$	68719476736
8	$\mathcal{O}(1; \{2^{31}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{28}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{25}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^{22}, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^{19}, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{16}, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{13}, 4^{13}, 8^6\})$	536870912
8	$\mathcal{O}(1; \{2^{10}, 4^{15}, 8^6\})$	2147483648
8	$\mathcal{O}(1; \{2^7, 4^{17}, 8^6\})$	8589934592
8	$\mathcal{O}(1; \{2^4, 4^{19}, 8^6\})$	34359738368
8	$\mathcal{O}(1; \{2, 4^{21}, 8^6\})$	137438953472
8	$\mathcal{O}(1; \{2^{29}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{26}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^{23}, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^{20}, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{17}, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{14}, 4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^{11}, 4^{12}, 8^8\})$	4294967296
8	$\mathcal{O}(1; \{2^8, 4^{14}, 8^8\})$	17179869184
8	$\mathcal{O}(1; \{2^5, 4^{16}, 8^8\})$	68719476736
8	$\mathcal{O}(1; \{2^2, 4^{18}, 8^8\})$	274877906944
8	$\mathcal{O}(1; \{2^{24}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^{21}, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^{18}, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^{15}, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{12}, 4^9, 8^{10}\})$	8589934592
8	$\mathcal{O}(1; \{2^9, 4^{11}, 8^{10}\})$	34359738368
8	$\mathcal{O}(1; \{2^6, 4^{13}, 8^{10}\})$	137438953472
8	$\mathcal{O}(1; \{2^3, 4^{15}, 8^{10}\})$	549755813888
8	$\mathcal{O}(1; \{4^{17}, 8^{10}\})$	2199023255552
8	$\mathcal{O}(1; \{2^{22}, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^{19}, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^{16}, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^{13}, 4^6, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^{10}, 4^8, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^7, 4^{10}, 8^{12}\})$	274877906944
8	$\mathcal{O}(1; \{2^4, 4^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(1; \{2, 4^{14}, 8^{12}\})$	4398046511104

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{17}, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{2^{14}, 4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2^{11}, 4^5, 8^{14}\})$	137438953472
8	$\mathcal{O}(1; \{2^8, 4^7, 8^{14}\})$	549755813888
8	$\mathcal{O}(1; \{2^5, 4^9, 8^{14}\})$	2199023255552
8	$\mathcal{O}(1; \{2^2, 4^{11}, 8^{14}\})$	8796093022208
8	$\mathcal{O}(1; \{2^{15}, 8^{16}\})$	68719476736
8	$\mathcal{O}(1; \{2^{12}, 4^2, 8^{16}\})$	274877906944
8	$\mathcal{O}(1; \{2^9, 4^4, 8^{16}\})$	1099511627776
8	$\mathcal{O}(1; \{2^6, 4^6, 8^{16}\})$	4398046511104
8	$\mathcal{O}(1; \{2^3, 4^8, 8^{16}\})$	17592186044416
8	$\mathcal{O}(1; \{4^{10}, 8^{16}\})$	70368744177664
8	$\mathcal{O}(1; \{2^{10}, 4, 8^{18}\})$	2199023255552
8	$\mathcal{O}(1; \{2^7, 4^3, 8^{18}\})$	8796093022208
8	$\mathcal{O}(1; \{2^4, 4^5, 8^{18}\})$	35184372088832
8	$\mathcal{O}(1; \{2, 4^7, 8^{18}\})$	140737488355328
8	$\mathcal{O}(1; \{2^8, 8^{20}\})$	17592186044416
8	$\mathcal{O}(1; \{2^5, 4^2, 8^{20}\})$	70368744177664
8	$\mathcal{O}(1; \{2^2, 4^4, 8^{20}\})$	281474976710656
8	$\mathcal{O}(1; \{2^3, 4, 8^{22}\})$	562949953421312
8	$\mathcal{O}(1; \{4^3, 8^{22}\})$	2251799813685248
8	$\mathcal{O}(1; \{2, 8^{24}\})$	4503599627370496
8	$\mathcal{O}(0; \{2^{42}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{39}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{36}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{33}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{30}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{27}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{24}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{21}, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{18}, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{15}, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{12}, 4^{21}, 8^2\})$	8388608
8	$\mathcal{O}(0; \{2^9, 4^{23}, 8^2\})$	33554432
8	$\mathcal{O}(0; \{2^6, 4^{25}, 8^2\})$	134217728
8	$\mathcal{O}(0; \{2^3, 4^{27}, 8^2\})$	536870912
8	$\mathcal{O}(0; \{4^{29}, 8^2\})$	2147483648
8	$\mathcal{O}(0; \{2^{40}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{37}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{34}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{31}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{28}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{25}, 4^{10}, 8^4\})$	65536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{22}, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{19}, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{16}, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{13}, 4^{18}, 8^4\})$	16777216
8	$\mathcal{O}(0; \{2^{10}, 4^{20}, 8^4\})$	67108864
8	$\mathcal{O}(0; \{2^7, 4^{22}, 8^4\})$	268435456
8	$\mathcal{O}(0; \{2^4, 4^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(0; \{2, 4^{26}, 8^4\})$	4294967296
8	$\mathcal{O}(0; \{2^{35}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{32}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{29}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{26}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{23}, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{20}, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{17}, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{14}, 4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^{11}, 4^{17}, 8^6\})$	134217728
8	$\mathcal{O}(0; \{2^8, 4^{19}, 8^6\})$	536870912
8	$\mathcal{O}(0; \{2^5, 4^{21}, 8^6\})$	2147483648
8	$\mathcal{O}(0; \{2^2, 4^{23}, 8^6\})$	8589934592
8	$\mathcal{O}(0; \{2^{33}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{30}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{27}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{24}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{21}, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^{18}, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{15}, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{12}, 4^{14}, 8^8\})$	268435456
8	$\mathcal{O}(0; \{2^9, 4^{16}, 8^8\})$	1073741824
8	$\mathcal{O}(0; \{2^6, 4^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(0; \{2^3, 4^{20}, 8^8\})$	17179869184
8	$\mathcal{O}(0; \{4^{22}, 8^8\})$	68719476736
8	$\mathcal{O}(0; \{2^{28}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{25}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^{22}, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^{19}, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{16}, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{13}, 4^{11}, 8^{10}\})$	536870912
8	$\mathcal{O}(0; \{2^{10}, 4^{13}, 8^{10}\})$	2147483648
8	$\mathcal{O}(0; \{2^7, 4^{15}, 8^{10}\})$	8589934592
8	$\mathcal{O}(0; \{2^4, 4^{17}, 8^{10}\})$	34359738368
8	$\mathcal{O}(0; \{2, 4^{19}, 8^{10}\})$	137438953472
8	$\mathcal{O}(0; \{2^{26}, 8^{12}\})$	4194304

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{23}, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^{20}, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^{17}, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{14}, 4^8, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^{11}, 4^{10}, 8^{12}\})$	4294967296
8	$\mathcal{O}(0; \{2^8, 4^{12}, 8^{12}\})$	17179869184
8	$\mathcal{O}(0; \{2^5, 4^{14}, 8^{12}\})$	68719476736
8	$\mathcal{O}(0; \{2^2, 4^{16}, 8^{12}\})$	274877906944
8	$\mathcal{O}(0; \{2^{21}, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^{18}, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^{15}, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^{12}, 4^7, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^9, 4^9, 8^{14}\})$	34359738368
8	$\mathcal{O}(0; \{2^6, 4^{11}, 8^{14}\})$	137438953472
8	$\mathcal{O}(0; \{2^3, 4^{13}, 8^{14}\})$	549755813888
8	$\mathcal{O}(0; \{4^{15}, 8^{14}\})$	2199023255552
8	$\mathcal{O}(0; \{2^{19}, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^{16}, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{2^{13}, 4^4, 8^{16}\})$	17179869184
8	$\mathcal{O}(0; \{2^{10}, 4^6, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^7, 4^8, 8^{16}\})$	274877906944
8	$\mathcal{O}(0; \{2^4, 4^{10}, 8^{16}\})$	1099511627776
8	$\mathcal{O}(0; \{2, 4^{12}, 8^{16}\})$	4398046511104
8	$\mathcal{O}(0; \{2^{14}, 4, 8^{18}\})$	34359738368
8	$\mathcal{O}(0; \{2^{11}, 4^3, 8^{18}\})$	137438953472
8	$\mathcal{O}(0; \{2^8, 4^5, 8^{18}\})$	549755813888
8	$\mathcal{O}(0; \{2^5, 4^7, 8^{18}\})$	2199023255552
8	$\mathcal{O}(0; \{2^2, 4^9, 8^{18}\})$	8796093022208
8	$\mathcal{O}(0; \{2^{12}, 8^{20}\})$	274877906944
8	$\mathcal{O}(0; \{2^9, 4^2, 8^{20}\})$	1099511627776
8	$\mathcal{O}(0; \{2^6, 4^4, 8^{20}\})$	4398046511104
8	$\mathcal{O}(0; \{2^3, 4^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(0; \{4^8, 8^{20}\})$	70368744177664
8	$\mathcal{O}(0; \{2^7, 4, 8^{22}\})$	8796093022208
8	$\mathcal{O}(0; \{2^4, 4^3, 8^{22}\})$	35184372088832
8	$\mathcal{O}(0; \{2, 4^5, 8^{22}\})$	140737488355328
8	$\mathcal{O}(0; \{2^5, 8^{24}\})$	70368744177664
8	$\mathcal{O}(0; \{2^2, 4^2, 8^{24}\})$	281474976710656
8	$\mathcal{O}(0; \{4, 8^{26}\})$	2251799813685248
9	$\mathcal{O}(9; \{3^2, 9^2\})$	3602271247127978904
9	$\mathcal{O}(8; \{3^5, 9^2\})$	355779876259553472
9	$\mathcal{O}(8; \{3, 9^5\})$	3001892705939982420
9	$\mathcal{O}(7; \{3^8, 9^2\})$	35138753210820096

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(7; \{3^4, 9^5\})$	296483230216294560
9	$\mathcal{O}(7; \{9^8\})$	4302712878513974802
9	$\mathcal{O}(6; \{3^{11}, 9^2\})$	3470494144278528
9	$\mathcal{O}(6; \{3^7, 9^5\})$	29282294342350080
9	$\mathcal{O}(6; \{3^3, 9^8\})$	424959296643355536
9	$\mathcal{O}(5; \{3^{14}, 9^2\})$	342764853755904
9	$\mathcal{O}(5; \{3^{10}, 9^5\})$	2892078453565440
9	$\mathcal{O}(5; \{3^6, 9^8\})$	41971288557368448
9	$\mathcal{O}(5; \{3^2, 9^{11}\})$	561671008354202472
9	$\mathcal{O}(4; \{3^{17}, 9^2\})$	33853318889472
9	$\mathcal{O}(4; \{3^{13}, 9^5\})$	285637378129920
9	$\mathcal{O}(4; \{3^9, 9^8\})$	4145312450110464
9	$\mathcal{O}(4; \{3^5, 9^{11}\})$	55473679837452096
9	$\mathcal{O}(4; \{3, 9^{14}\})$	749718242333981892
9	$\mathcal{O}(3; \{3^{20}, 9^2\})$	3343537668096
9	$\mathcal{O}(3; \{3^{16}, 9^5\})$	28211099074560
9	$\mathcal{O}(3; \{3^{12}, 9^8\})$	409413575319552
9	$\mathcal{O}(3; \{3^8, 9^{11}\})$	5478881959254528
9	$\mathcal{O}(3; \{3^4, 9^{14}\})$	74046246156442656
9	$\mathcal{O}(3; \{9^{17}\})$	999487062357246090
9	$\mathcal{O}(2; \{3^{23}, 9^2\})$	330225942528
9	$\mathcal{O}(2; \{3^{19}, 9^5\})$	2786281390080
9	$\mathcal{O}(2; \{3^{15}, 9^8\})$	40435908673536
9	$\mathcal{O}(2; \{3^{11}, 9^{11}\})$	541124144123904
9	$\mathcal{O}(2; \{3^7, 9^{14}\})$	7313209496932608
9	$\mathcal{O}(2; \{3^3, 9^{17}\})$	98714771590839120
9	$\mathcal{O}(1; \{3^{26}, 9^2\})$	32614907904
9	$\mathcal{O}(1; \{3^{22}, 9^5\})$	275188285440
9	$\mathcal{O}(1; \{3^{18}, 9^8\})$	3993669992448
9	$\mathcal{O}(1; \{3^{14}, 9^{11}\})$	53444359913472
9	$\mathcal{O}(1; \{3^{10}, 9^{14}\})$	722292295993344
9	$\mathcal{O}(1; \{3^6, 9^{17}\})$	9749607070700160
9	$\mathcal{O}(1; \{3^2, 9^{20}\})$	131621954890744008
9	$\mathcal{O}(0; \{3^{29}, 9^2\})$	3221225472
9	$\mathcal{O}(0; \{3^{25}, 9^5\})$	27179089920
9	$\mathcal{O}(0; \{3^{21}, 9^8\})$	394436542464
9	$\mathcal{O}(0; \{3^{17}, 9^{11}\})$	5278455300096
9	$\mathcal{O}(0; \{3^{13}, 9^{14}\})$	71337510715392
9	$\mathcal{O}(0; \{3^9, 9^{17}\})$	962924155130880
9	$\mathcal{O}(0; \{3^5, 9^{20}\})$	12999699248468544
9	$\mathcal{O}(0; \{3, 9^{23}\})$	175495563281610036
10	$\mathcal{O}(8; \{5^4\})$	519992065429687500
10	$\mathcal{O}(8; \{2^3, 5, 10\})$	4000000000000000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(8; \{2, 10^3\})$	120000000000000000
10	$\mathcal{O}(7; \{2^4, 5^4\})$	5200000000000000
10	$\mathcal{O}(7; \{2^7, 5, 10\})$	4000000000000000
10	$\mathcal{O}(7; \{2^2, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(7; \{2^5, 10^3\})$	1200000000000000
10	$\mathcal{O}(7; \{5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(6; \{2^8, 5^4\})$	5200000000000000
10	$\mathcal{O}(6; \{5^9\})$	52415200195312500
10	$\mathcal{O}(6; \{2^{11}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(6; \{2^3, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(6; \{2^6, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(6; \{2^9, 10^3\})$	1200000000000000
10	$\mathcal{O}(6; \{2, 5^5, 10^3\})$	1310800000000000
10	$\mathcal{O}(6; \{2^4, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(6; \{2^2, 5, 10^6\})$	3276000000000000
10	$\mathcal{O}(6; \{10^8\})$	1310800000000000
10	$\mathcal{O}(5; \{2^{12}, 5^4\})$	5200000000000000
10	$\mathcal{O}(5; \{2^4, 5^9\})$	5242800000000000
10	$\mathcal{O}(5; \{2^{15}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(5; \{2^7, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(5; \{2^{10}, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(5; \{2^2, 5^8, 10^2\})$	2097160000000000
10	$\mathcal{O}(5; \{2^{13}, 10^3\})$	1200000000000000
10	$\mathcal{O}(5; \{2^5, 5^5, 10^3\})$	1310800000000000
10	$\mathcal{O}(5; \{2^8, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(5; \{5^7, 10^4\})$	8388600000000000
10	$\mathcal{O}(5; \{2^3, 5^4, 10^5\})$	5242800000000000
10	$\mathcal{O}(5; \{2^6, 5, 10^6\})$	3276000000000000
10	$\mathcal{O}(5; \{2, 5^3, 10^7\})$	2097160000000000
10	$\mathcal{O}(5; \{2^4, 10^8\})$	1310800000000000
10	$\mathcal{O}(4; \{2^{16}, 5^4\})$	5200000000000000
10	$\mathcal{O}(4; \{2^8, 5^9\})$	5242800000000000
10	$\mathcal{O}(4; \{5^{14}\})$	5347737679687500
10	$\mathcal{O}(4; \{2^{19}, 5, 10\})$	4000000000000000
10	$\mathcal{O}(4; \{2^{11}, 5^6, 10\})$	3276000000000000
10	$\mathcal{O}(4; \{2^3, 5^{11}, 10\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{14}, 5^3, 10^2\})$	2040000000000000
10	$\mathcal{O}(4; \{2^6, 5^8, 10^2\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{17}, 10^3\})$	1200000000000000
10	$\mathcal{O}(4; \{2^9, 5^5, 10^3\})$	1310800000000000
10	$\mathcal{O}(4; \{2, 5^{10}, 10^3\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{12}, 5^2, 10^4\})$	8200000000000000
10	$\mathcal{O}(4; \{2^4, 5^7, 10^4\})$	8388600000000000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{2^7, 5^4, 10^5\})$	5242800000000
10	$\mathcal{O}(4; \{2^{10}, 5, 10^6\})$	3276000000000
10	$\mathcal{O}(4; \{2^2, 5^6, 10^6\})$	335544400000000
10	$\mathcal{O}(4; \{2^5, 5^3, 10^7\})$	209716000000000
10	$\mathcal{O}(4; \{2^8, 10^8\})$	131080000000000
10	$\mathcal{O}(4; \{5^5, 10^8\})$	13421772000000000
10	$\mathcal{O}(4; \{2^3, 5^2, 10^9\})$	838860000000000
10	$\mathcal{O}(4; \{2, 5, 10^{11}\})$	33554440000000000
10	$\mathcal{O}(3; \{2^{20}, 5^4\})$	52000000
10	$\mathcal{O}(3; \{2^{12}, 5^9\})$	52428000000
10	$\mathcal{O}(3; \{2^4, 5^{14}\})$	536870920000000
10	$\mathcal{O}(3; \{2^{23}, 5, 10\})$	4000000
10	$\mathcal{O}(3; \{2^{15}, 5^6, 10\})$	3276000000
10	$\mathcal{O}(3; \{2^7, 5^{11}, 10\})$	335544400000000
10	$\mathcal{O}(3; \{2^{18}, 5^3, 10^2\})$	204000000
10	$\mathcal{O}(3; \{2^{10}, 5^8, 10^2\})$	209716000000
10	$\mathcal{O}(3; \{2^2, 5^{13}, 10^2\})$	2147483640000000
10	$\mathcal{O}(3; \{2^{21}, 10^3\})$	12000000
10	$\mathcal{O}(3; \{2^{13}, 5^5, 10^3\})$	13108000000
10	$\mathcal{O}(3; \{2^5, 5^{10}, 10^3\})$	134217720000000
10	$\mathcal{O}(3; \{2^{16}, 5^2, 10^4\})$	820000000
10	$\mathcal{O}(3; \{2^8, 5^7, 10^4\})$	8388600000000
10	$\mathcal{O}(3; \{5^{12}, 10^4\})$	8589934600000000
10	$\mathcal{O}(3; \{2^{11}, 5^4, 10^5\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^9, 10^5\})$	536870920000000
10	$\mathcal{O}(3; \{2^{14}, 5, 10^6\})$	3276000000
10	$\mathcal{O}(3; \{2^6, 5^6, 10^6\})$	335544400000000
10	$\mathcal{O}(3; \{2^9, 5^3, 10^7\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^8, 10^7\})$	2147483640000000
10	$\mathcal{O}(3; \{2^{12}, 10^8\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^5, 10^8\})$	134217720000000
10	$\mathcal{O}(3; \{2^7, 5^2, 10^9\})$	8388600000000
10	$\mathcal{O}(3; \{2^2, 5^4, 10^{10}\})$	536870920000000
10	$\mathcal{O}(3; \{2^5, 5, 10^{11}\})$	335544400000000
10	$\mathcal{O}(3; \{5^3, 10^{12}\})$	2147483640000000
10	$\mathcal{O}(3; \{2^3, 10^{13}\})$	134217720000000
10	$\mathcal{O}(2; \{2^{24}, 5^4\})$	520000
10	$\mathcal{O}(2; \{2^{16}, 5^9\})$	524280000
10	$\mathcal{O}(2; \{2^8, 5^{14}\})$	536870920000
10	$\mathcal{O}(2; \{5^{19}\})$	515396075512500
10	$\mathcal{O}(2; \{2^{27}, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2^{19}, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^{11}, 5^{11}, 10\})$	33554440000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^3, 5^{16}, 10\})$	34359738360000
10	$\mathcal{O}(2; \{2^{22}, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{2^{14}, 5^8, 10^2\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^{13}, 10^2\})$	2147483640000
10	$\mathcal{O}(2; \{2^{25}, 10^3\})$	120000
10	$\mathcal{O}(2; \{2^{17}, 5^5, 10^3\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^{10}, 10^3\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^{15}, 10^3\})$	137438953480000
10	$\mathcal{O}(2; \{2^{20}, 5^2, 10^4\})$	8200000
10	$\mathcal{O}(2; \{2^{12}, 5^7, 10^4\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^{12}, 10^4\})$	8589934600000
10	$\mathcal{O}(2; \{2^{15}, 5^4, 10^5\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^9, 10^5\})$	536870920000
10	$\mathcal{O}(2; \{2^{18}, 5, 10^6\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5^6, 10^6\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^{11}, 10^6\})$	34359738360000
10	$\mathcal{O}(2; \{2^{13}, 5^3, 10^7\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^8, 10^7\})$	2147483640000
10	$\mathcal{O}(2; \{2^{16}, 10^8\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^5, 10^8\})$	134217720000
10	$\mathcal{O}(2; \{5^{10}, 10^8\})$	137438953480000
10	$\mathcal{O}(2; \{2^{11}, 5^2, 10^9\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^7, 10^9\})$	8589934600000
10	$\mathcal{O}(2; \{2^6, 5^4, 10^{10}\})$	536870920000
10	$\mathcal{O}(2; \{2^9, 5, 10^{11}\})$	33554440000
10	$\mathcal{O}(2; \{2, 5^6, 10^{11}\})$	34359738360000
10	$\mathcal{O}(2; \{2^4, 5^3, 10^{12}\})$	2147483640000
10	$\mathcal{O}(2; \{2^7, 10^{13}\})$	134217720000
10	$\mathcal{O}(2; \{2^2, 5^2, 10^{14}\})$	8589934600000
10	$\mathcal{O}(2; \{5, 10^{16}\})$	34359738360000
10	$\mathcal{O}(1; \{2^{28}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^{20}, 5^9\})$	5242800
10	$\mathcal{O}(1; \{2^{12}, 5^{14}\})$	5368709200
10	$\mathcal{O}(1; \{2^4, 5^{19}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{31}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^{23}, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2^{15}, 5^{11}, 10\})$	335544400
10	$\mathcal{O}(1; \{2^7, 5^{16}, 10\})$	343597383600
10	$\mathcal{O}(1; \{2^{26}, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^{18}, 5^8, 10^2\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^{13}, 10^2\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^{18}, 10^2\})$	21990232555600
10	$\mathcal{O}(1; \{2^{29}, 10^3\})$	1200

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{21}, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2^{13}, 5^{10}, 10^3\})$	1342177200
10	$\mathcal{O}(1; \{2^5, 5^{15}, 10^3\})$	1374389534800
10	$\mathcal{O}(1; \{2^{24}, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{2^{16}, 5^7, 10^4\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^{12}, 10^4\})$	85899346000
10	$\mathcal{O}(1; \{5^{17}, 10^4\})$	87960930222000
10	$\mathcal{O}(1; \{2^{19}, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^{11}, 5^9, 10^5\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^{14}, 10^5\})$	5497558138800
10	$\mathcal{O}(1; \{2^{22}, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{2^{14}, 5^6, 10^6\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^{11}, 10^6\})$	343597383600
10	$\mathcal{O}(1; \{2^{17}, 5^3, 10^7\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^8, 10^7\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^{13}, 10^7\})$	21990232555600
10	$\mathcal{O}(1; \{2^{20}, 10^8\})$	1310800
10	$\mathcal{O}(1; \{2^{12}, 5^5, 10^8\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^{10}, 10^8\})$	1374389534800
10	$\mathcal{O}(1; \{2^{15}, 5^2, 10^9\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^7, 10^9\})$	85899346000
10	$\mathcal{O}(1; \{2^{10}, 5^4, 10^{10}\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^9, 10^{10}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{13}, 5, 10^{11}\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^6, 10^{11}\})$	343597383600
10	$\mathcal{O}(1; \{2^8, 5^3, 10^{12}\})$	21474836400
10	$\mathcal{O}(1; \{5^8, 10^{12}\})$	21990232555600
10	$\mathcal{O}(1; \{2^{11}, 10^{13}\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^5, 10^{13}\})$	1374389534800
10	$\mathcal{O}(1; \{2^6, 5^2, 10^{14}\})$	85899346000
10	$\mathcal{O}(1; \{2, 5^4, 10^{15}\})$	5497558138800
10	$\mathcal{O}(1; \{2^4, 5, 10^{16}\})$	343597383600
10	$\mathcal{O}(1; \{2^2, 10^{18}\})$	1374389534800
10	$\mathcal{O}(0; \{2^{32}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^{24}, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^{16}, 5^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^8, 5^{19}\})$	54975581388
10	$\mathcal{O}(0; \{2^{35}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^{27}, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^{19}, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^{11}, 5^{16}, 10\})$	3435973836
10	$\mathcal{O}(0; \{2^3, 5^{21}, 10\})$	3518437208884
10	$\mathcal{O}(0; \{2^{30}, 5^3, 10^2\})$	204

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{22}, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{2^{14}, 5^{13}, 10^2\})$	214748364
10	$\mathcal{O}(0; \{2^6, 5^{18}, 10^2\})$	219902325556
10	$\mathcal{O}(0; \{2^{33}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^{25}, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^{17}, 5^{10}, 10^3\})$	13421772
10	$\mathcal{O}(0; \{2^9, 5^{15}, 10^3\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^{20}, 10^3\})$	14073748835532
10	$\mathcal{O}(0; \{2^{28}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^{20}, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^{12}, 10^4\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{17}, 10^4\})$	879609302220
10	$\mathcal{O}(0; \{2^{23}, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2^{15}, 5^9, 10^5\})$	53687092
10	$\mathcal{O}(0; \{2^7, 5^{14}, 10^5\})$	54975581388
10	$\mathcal{O}(0; \{2^{26}, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{2^{18}, 5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^{11}, 10^6\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{16}, 10^6\})$	3518437208884
10	$\mathcal{O}(0; \{2^{21}, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2^{13}, 5^8, 10^7\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^{13}, 10^7\})$	219902325556
10	$\mathcal{O}(0; \{2^{24}, 10^8\})$	13108
10	$\mathcal{O}(0; \{2^{16}, 5^5, 10^8\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^{10}, 10^8\})$	13743895348
10	$\mathcal{O}(0; \{5^{15}, 10^8\})$	14073748835532
10	$\mathcal{O}(0; \{2^{19}, 5^2, 10^9\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^7, 10^9\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{12}, 10^9\})$	879609302220
10	$\mathcal{O}(0; \{2^{14}, 5^4, 10^{10}\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^9, 10^{10}\})$	54975581388
10	$\mathcal{O}(0; \{2^{17}, 5, 10^{11}\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^6, 10^{11}\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^{11}, 10^{11}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{12}, 5^3, 10^{12}\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^8, 10^{12}\})$	219902325556
10	$\mathcal{O}(0; \{2^{15}, 10^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^5, 10^{13}\})$	13743895348
10	$\mathcal{O}(0; \{2^{10}, 5^2, 10^{14}\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^7, 10^{14}\})$	879609302220
10	$\mathcal{O}(0; \{2^5, 5^4, 10^{15}\})$	54975581388
10	$\mathcal{O}(0; \{2^8, 5, 10^{16}\})$	3435973836
10	$\mathcal{O}(0; \{5^6, 10^{16}\})$	3518437208884

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^3, 5^3, 10^{17}\})$	219902325556
10	$\mathcal{O}(0; \{2^6, 10^{18}\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^2, 10^{19}\})$	879609302220
11	$\mathcal{O}(7; \{11^4\})$	345572348560749310
11	$\mathcal{O}(2; \{11^{15}\})$	133099999999986690
12	$\mathcal{O}(7; \{2^2, 3^2\})$	2567680200769536
12	$\mathcal{O}(7; \{3, 6^2\})$	2567680200769536
12	$\mathcal{O}(7; \{3, 4, 12\})$	5135673858195456
12	$\mathcal{O}(7; \{2, 12^2\})$	5135673858195456
12	$\mathcal{O}(6; \{2^6, 3^2\})$	17827847331840
12	$\mathcal{O}(6; \{2^2, 3^5\})$	89139236659200
12	$\mathcal{O}(6; \{2^3, 3^2, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{3^2, 4^4\})$	142657607172096
12	$\mathcal{O}(6; \{2^3, 3^3, 6\})$	53483541995520
12	$\mathcal{O}(6; \{3^3, 4^2, 6\})$	106993205379072
12	$\mathcal{O}(6; \{2^4, 3, 6^2\})$	17827847331840
12	$\mathcal{O}(6; \{3^4, 6^2\})$	196106320650240
12	$\mathcal{O}(6; \{2, 3, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^2, 6^3\})$	89139236659200
12	$\mathcal{O}(6; \{2^2, 6^4\})$	53483541995520
12	$\mathcal{O}(6; \{2^4, 3, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{3^4, 4, 12\})$	178322008965120
12	$\mathcal{O}(6; \{2, 3, 4^3, 12\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3^2, 4, 6, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 4, 6^2, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2^5, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^3, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2^2, 4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{2^2, 3, 6, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{6^3, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{4, 6, 12^3\})$	427972821516288
12	$\mathcal{O}(6; \{3, 12^4\})$	713288035860480
12	$\mathcal{O}(5; \{2^{10}, 3^2\})$	123713796096
12	$\mathcal{O}(5; \{2^6, 3^5\})$	618568980480
12	$\mathcal{O}(5; \{2^2, 3^8\})$	5319693232128
12	$\mathcal{O}(5; \{2^7, 3^2, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^5, 4^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 3^2, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{3^5, 4^4\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3^2, 4^6\})$	3962711310336
12	$\mathcal{O}(5; \{2^7, 3^3, 6\})$	371141388288
12	$\mathcal{O}(5; \{2^3, 3^6, 6\})$	2597989718016
12	$\mathcal{O}(5; \{2^4, 3^3, 4^2, 6\})$	743008370688

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{3^6, 4^2, 6\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3^3, 4^4, 6\})$	2972033482752
12	$\mathcal{O}(5; \{2^8, 3, 6^2\})$	123713796096
12	$\mathcal{O}(5; \{2^4, 3^4, 6^2\})$	1360851757056
12	$\mathcal{O}(5; \{3^7, 6^2\})$	10515672668160
12	$\mathcal{O}(5; \{2^5, 3, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^4, 4^2, 6^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 3, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{2^5, 3^2, 6^3\})$	618568980480
12	$\mathcal{O}(5; \{2, 3^5, 6^3\})$	5319693232128
12	$\mathcal{O}(5; \{2^2, 3^2, 4^2, 6^3\})$	1238347284480
12	$\mathcal{O}(5; \{2^6, 6^4\})$	371141388288
12	$\mathcal{O}(5; \{2^2, 3^3, 6^4\})$	2597989718016
12	$\mathcal{O}(5; \{2^3, 4^2, 6^4\})$	743008370688
12	$\mathcal{O}(5; \{4^4, 6^4\})$	2972033482752
12	$\mathcal{O}(5; \{2^3, 3, 6^5\})$	1360851757056
12	$\mathcal{O}(5; \{3, 4^2, 6^5\})$	2724364025856
12	$\mathcal{O}(5; \{3^2, 6^6\})$	5319693232128
12	$\mathcal{O}(5; \{2, 6^7\})$	2597989718016
12	$\mathcal{O}(5; \{2^8, 3, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^4, 3^4, 4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3^7, 4, 12\})$	10649786646528
12	$\mathcal{O}(5; \{2^5, 3, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^4, 4^3, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 3, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3^2, 4, 6, 12\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^5, 4, 6, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^2, 4^3, 6, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^6, 4, 6^2, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^3, 4, 6^2, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 4^3, 6^2, 12\})$	990677827584
12	$\mathcal{O}(5; \{4^5, 6^2, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3, 4, 6^3, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3, 4^3, 6^3, 12\})$	4953389137920
12	$\mathcal{O}(5; \{3^2, 4, 6^4, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2, 4, 6^5, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^9, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^5, 3^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^6, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^6, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3^3, 4^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^3, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{4^6, 12^2\})$	15850845241344

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^6, 3, 6, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^4, 6, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 3, 4^2, 6, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{3, 4^4, 6, 12^2\})$	11888133931008
12	$\mathcal{O}(5; \{2^3, 3^2, 6^2, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{3^2, 4^2, 6^2, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2^4, 6^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^3, 6^3, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2, 4^2, 6^3, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3, 6^4, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 3^2, 4, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{3^2, 4^3, 12^3\})$	19813556551680
12	$\mathcal{O}(5; \{2^4, 4, 6, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{3^3, 4, 6, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2, 4^3, 6, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{2, 3, 4, 6^2, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^4, 3, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{3^4, 12^4\})$	42599146586112
12	$\mathcal{O}(5; \{2, 3, 4^2, 12^4\})$	19813556551680
12	$\mathcal{O}(5; \{2, 3^2, 6, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2^2, 6^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 4, 12^5\})$	19813556551680
12	$\mathcal{O}(5; \{6, 12^6\})$	83216937517056
12	$\mathcal{O}(4; \{2^{14}, 3^2\})$	856604160
12	$\mathcal{O}(4; \{2^{10}, 3^5\})$	4283020800
12	$\mathcal{O}(4; \{2^6, 3^8\})$	36833978880
12	$\mathcal{O}(4; \{2^2, 3^{11}\})$	292102018560
12	$\mathcal{O}(4; \{2^{11}, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^5, 4^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^8, 4^2\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 3^2, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^5, 4^4\})$	34398535680
12	$\mathcal{O}(4; \{3^8, 4^4\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 3^2, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^5, 4^6\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3^2, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{2^{11}, 3^3, 6\})$	2569812480
12	$\mathcal{O}(4; \{2^7, 3^6, 6\})$	17988687360
12	$\mathcal{O}(4; \{2^3, 3^9, 6\})$	146479311360
12	$\mathcal{O}(4; \{2^8, 3^3, 4^2, 6\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^6, 4^2, 6\})$	36118462464
12	$\mathcal{O}(4; \{3^9, 4^2, 6\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3^3, 4^4, 6\})$	20639121408

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2, 3^6, 4^4, 6\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^3, 4^6, 6\})$	82556485632
12	$\mathcal{O}(4; \{2^{12}, 3, 6^2\})$	856604160
12	$\mathcal{O}(4; \{2^8, 3^4, 6^2\})$	9422645760
12	$\mathcal{O}(4; \{2^4, 3^7, 6^2\})$	72811353600
12	$\mathcal{O}(4; \{3^{10}, 6^2\})$	585060641280
12	$\mathcal{O}(4; \{2^9, 3, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^4, 4^2, 6^2\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^7, 4^2, 6^2\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 3, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^4, 4^4, 6^2\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{3, 4^8, 6^2\})$	110075314176
12	$\mathcal{O}(4; \{2^9, 3^2, 6^3\})$	4283020800
12	$\mathcal{O}(4; \{2^5, 3^5, 6^3\})$	36833978880
12	$\mathcal{O}(4; \{2, 3^8, 6^3\})$	292102018560
12	$\mathcal{O}(4; \{2^6, 3^2, 4^2, 6^3\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^5, 4^2, 6^3\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 3^2, 4^4, 6^3\})$	34398535680
12	$\mathcal{O}(4; \{3^2, 4^6, 6^3\})$	137594142720
12	$\mathcal{O}(4; \{2^{10}, 6^4\})$	2569812480
12	$\mathcal{O}(4; \{2^6, 3^3, 6^4\})$	17988687360
12	$\mathcal{O}(4; \{2^2, 3^6, 6^4\})$	146479311360
12	$\mathcal{O}(4; \{2^7, 4^2, 6^4\})$	5159780352
12	$\mathcal{O}(4; \{2^3, 3^3, 4^2, 6^4\})$	36118462464
12	$\mathcal{O}(4; \{2^4, 4^4, 6^4\})$	20639121408
12	$\mathcal{O}(4; \{3^3, 4^4, 6^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 4^6, 6^4\})$	82556485632
12	$\mathcal{O}(4; \{2^7, 3, 6^5\})$	9422645760
12	$\mathcal{O}(4; \{2^3, 3^4, 6^5\})$	72811353600
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 6^5\})$	18919194624
12	$\mathcal{O}(4; \{3^4, 4^2, 6^5\})$	146193776640
12	$\mathcal{O}(4; \{2, 3, 4^4, 6^5\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 3^2, 6^6\})$	36833978880
12	$\mathcal{O}(4; \{3^5, 6^6\})$	292102018560
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6^6\})$	73956851712
12	$\mathcal{O}(4; \{2^5, 6^7\})$	17988687360
12	$\mathcal{O}(4; \{2, 3^3, 6^7\})$	146479311360
12	$\mathcal{O}(4; \{2^2, 4^2, 6^7\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3, 6^8\})$	72811353600
12	$\mathcal{O}(4; \{6^{10}\})$	146479311360
12	$\mathcal{O}(4; \{2^{12}, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^4, 4, 12\})$	8599633920

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3^7, 4, 12\})$	73956851712
12	$\mathcal{O}(4; \{3^{10}, 4, 12\})$	586495033344
12	$\mathcal{O}(4; \{2^9, 3, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^4, 4^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^7, 4^3, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^6, 3, 4^5, 12\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^4, 4^5, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{3, 4^9, 12\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3^2, 4, 6, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^5, 4, 6, 12\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^8, 4, 6, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3^2, 4^3, 6, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^5, 4^3, 6, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^2, 4^5, 6, 12\})$	82556485632
12	$\mathcal{O}(4; \{3^2, 4^7, 6, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^{10}, 4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^3, 4, 6^2, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^6, 4, 6^2, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 4^3, 6^2, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^3, 4^3, 6^2, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 4^5, 6^2, 12\})$	27518828544
12	$\mathcal{O}(4; \{3^3, 4^5, 6^2, 12\})$	302707113984
12	$\mathcal{O}(4; \{2, 4^7, 6^2, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3, 4, 6^3, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^4, 4, 6^3, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 3, 4^3, 6^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^4, 4^3, 6^3, 12\})$	295827406848
12	$\mathcal{O}(4; \{2, 3, 4^5, 6^3, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 3^2, 4, 6^4, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^5, 4, 6^4, 12\})$	294107480064
12	$\mathcal{O}(4; \{2, 3^2, 4^3, 6^4, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^5, 4, 6^5, 12\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^3, 4, 6^5, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 4^3, 6^5, 12\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3, 4, 6^6, 12\})$	73956851712
12	$\mathcal{O}(4; \{4, 6^8, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^{13}, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^9, 3^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^5, 3^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^9, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^{10}, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^6, 3^3, 4^2, 12^2\})$	34398535680

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^2, 3^6, 4^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^7, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2^3, 3^3, 4^4, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{3^3, 4^6, 12^2\})$	550376570880
12	$\mathcal{O}(4; \{2, 4^8, 12^2\})$	440301256704
12	$\mathcal{O}(4; \{2^{10}, 3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^6, 3^4, 6, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^7, 6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 3, 4^2, 6, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^4, 4^2, 6, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 3, 4^4, 6, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{3^4, 4^4, 6, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2, 3, 4^6, 6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^7, 3^2, 6^2, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^5, 6^2, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^4, 3^2, 4^2, 6^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^5, 4^2, 6^2, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2, 3^2, 4^4, 6^2, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^8, 6^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^3, 6^3, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^6, 6^3, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^5, 4^2, 6^3, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 6^3, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 4^4, 6^3, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{2^5, 3, 6^4, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^4, 6^4, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6^4, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^2, 6^5, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 6^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{4^2, 6^6, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{3, 6^7, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 3^2, 4, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^5, 4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 3^2, 4^3, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{3^5, 4^3, 12^3\})$	1183309627392
12	$\mathcal{O}(4; \{2, 3^2, 4^5, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^8, 4, 6, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^4, 3^3, 4, 6, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^6, 4, 6, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 4^3, 6, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{2, 3^3, 4^3, 6, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 4^5, 6, 12^3\})$	330225942528

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^5, 3, 4, 6^2, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^4, 4, 6^2, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3, 4^3, 6^2, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 6^3, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 4, 6^4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{4^3, 6^4, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{3, 4, 6^5, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^8, 3, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3^7, 12^4\})$	2345980133376
12	$\mathcal{O}(4; \{2^5, 3, 4^2, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{2, 3^4, 4^2, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 3, 4^4, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{2^5, 3^2, 6, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^5, 6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 6, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^6, 6^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^3, 6^2, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 4^2, 6^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{4^4, 6^2, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^3, 3, 6^3, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3, 4^2, 6^3, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{3^2, 6^4, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2, 6^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^6, 4, 12^5\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3^3, 4, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 4^3, 12^5\})$	550376570880
12	$\mathcal{O}(4; \{4^5, 12^5\})$	2201506283520
12	$\mathcal{O}(4; \{2^3, 3, 4, 6, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{3, 4^3, 6, 12^5\})$	2311581597696
12	$\mathcal{O}(4; \{3^2, 4, 6^2, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2, 4, 6^3, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 3^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{3^2, 4^2, 12^6\})$	4733238509568
12	$\mathcal{O}(4; \{2^4, 6, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{3^3, 6, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2, 4^2, 6, 12^6\})$	2311581597696
12	$\mathcal{O}(4; \{2, 3, 6^2, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2, 3, 4, 12^7\})$	4733238509568
12	$\mathcal{O}(4; \{2^2, 12^8\})$	4733238509568
12	$\mathcal{O}(3; \{2^{18}, 3^2\})$	5878656
12	$\mathcal{O}(3; \{2^{14}, 3^5\})$	29393280
12	$\mathcal{O}(3; \{2^{10}, 3^8\})$	252782208

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^6, 3^{11}\})$	2004621696
12	$\mathcal{O}(3; \{2^2, 3^{14}\})$	16054609536
12	$\mathcal{O}(3; \{2^{15}, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^8, 4^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^{11}, 4^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^5, 4^4\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^8, 4^4\})$	2054356992
12	$\mathcal{O}(3; \{3^{11}, 4^4\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 3^2, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^5, 4^6\})$	955514880
12	$\mathcal{O}(3; \{2, 3^8, 4^6\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 3^2, 4^8\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^5, 4^8\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 3^2, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{3^2, 4^{12}\})$	12230590464
12	$\mathcal{O}(3; \{2^{15}, 3^3, 6\})$	17635968
12	$\mathcal{O}(3; \{2^{11}, 3^6, 6\})$	123451776
12	$\mathcal{O}(3; \{2^7, 3^9, 6\})$	1005250176
12	$\mathcal{O}(3; \{2^3, 3^{12}, 6\})$	8024365440
12	$\mathcal{O}(3; \{2^{12}, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^6, 4^2, 6\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^9, 4^2, 6\})$	2042413056
12	$\mathcal{O}(3; \{3^{12}, 4^2, 6\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3^3, 4^4, 6\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^6, 4^4, 6\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^9, 4^4, 6\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3^3, 4^6, 6\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^6, 4^6, 6\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^3, 4^8, 6\})$	2293235712
12	$\mathcal{O}(3; \{3^3, 4^{10}, 6\})$	9172942848
12	$\mathcal{O}(3; \{2^{16}, 3, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^{12}, 3^4, 6^2\})$	64665216
12	$\mathcal{O}(3; \{2^8, 3^7, 6^2\})$	499685760
12	$\mathcal{O}(3; \{2^4, 3^{10}, 6^2\})$	4015122048
12	$\mathcal{O}(3; \{3^{13}, 6^2\})$	32103340416
12	$\mathcal{O}(3; \{2^{13}, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^4, 4^2, 6^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^7, 4^2, 6^2\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^{10}, 4^2, 6^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^4, 4^4, 6^2\})$	525533184

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^7, 4^4, 6^2\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 3, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^4, 4^6, 6^2\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{3^4, 4^8, 6^2\})$	8408530944
12	$\mathcal{O}(3; \{2, 3, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{13}, 3^2, 6^3\})$	29393280
12	$\mathcal{O}(3; \{2^9, 3^5, 6^3\})$	252782208
12	$\mathcal{O}(3; \{2^5, 3^8, 6^3\})$	2004621696
12	$\mathcal{O}(3; \{2, 3^{11}, 6^3\})$	16054609536
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^5, 4^2, 6^3\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^8, 4^2, 6^3\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 3^2, 4^4, 6^3\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^5, 4^4, 6^3\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^2, 4^6, 6^3\})$	955514880
12	$\mathcal{O}(3; \{3^5, 4^6, 6^3\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^2, 4^8, 6^3\})$	3822059520
12	$\mathcal{O}(3; \{2^{14}, 6^4\})$	17635968
12	$\mathcal{O}(3; \{2^{10}, 3^3, 6^4\})$	123451776
12	$\mathcal{O}(3; \{2^6, 3^6, 6^4\})$	1005250176
12	$\mathcal{O}(3; \{2^2, 3^9, 6^4\})$	8024365440
12	$\mathcal{O}(3; \{2^{11}, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3^3, 4^2, 6^4\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^6, 4^2, 6^4\})$	2042413056
12	$\mathcal{O}(3; \{2^8, 4^4, 6^4\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3^3, 4^4, 6^4\})$	1003290624
12	$\mathcal{O}(3; \{3^6, 4^4, 6^4\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 4^6, 6^4\})$	573308928
12	$\mathcal{O}(3; \{2, 3^3, 4^6, 6^4\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 4^8, 6^4\})$	2293235712
12	$\mathcal{O}(3; \{2^{11}, 3, 6^5\})$	64665216
12	$\mathcal{O}(3; \{2^7, 3^4, 6^5\})$	499685760
12	$\mathcal{O}(3; \{2^3, 3^7, 6^5\})$	4015122048
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 6^5\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 6^5\})$	1015234560
12	$\mathcal{O}(3; \{3^7, 4^2, 6^5\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 6^5\})$	525533184
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 6^5\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 6^5\})$	2102132736
12	$\mathcal{O}(3; \{2^8, 3^2, 6^6\})$	252782208
12	$\mathcal{O}(3; \{2^4, 3^5, 6^6\})$	2004621696
12	$\mathcal{O}(3; \{3^8, 6^6\})$	16054609536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6^6\})$	513589248
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6^6\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6^6\})$	2054356992
12	$\mathcal{O}(3; \{2^9, 6^7\})$	123451776
12	$\mathcal{O}(3; \{2^5, 3^3, 6^7\})$	1005250176
12	$\mathcal{O}(3; \{2, 3^6, 6^7\})$	8024365440
12	$\mathcal{O}(3; \{2^6, 4^2, 6^7\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^7\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 4^4, 6^7\})$	1003290624
12	$\mathcal{O}(3; \{4^6, 6^7\})$	4013162496
12	$\mathcal{O}(3; \{2^6, 3, 6^8\})$	499685760
12	$\mathcal{O}(3; \{2^2, 3^4, 6^8\})$	4015122048
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^8\})$	1015234560
12	$\mathcal{O}(3; \{3, 4^4, 6^8\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^2, 6^9\})$	2004621696
12	$\mathcal{O}(3; \{3^2, 4^2, 6^9\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 6^{10}\})$	1005250176
12	$\mathcal{O}(3; \{3^3, 6^{10}\})$	8024365440
12	$\mathcal{O}(3; \{2, 4^2, 6^{10}\})$	2042413056
12	$\mathcal{O}(3; \{2, 3, 6^{11}\})$	4015122048
12	$\mathcal{O}(3; \{2^{16}, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{12}, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^7, 4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^{10}, 4, 12\})$	4072882176
12	$\mathcal{O}(3; \{3^{13}, 4, 12\})$	32618889216
12	$\mathcal{O}(3; \{2^{13}, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^4, 4^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^7, 4^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^{10}, 4^3, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^{10}, 3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^4, 4^5, 12\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^7, 4^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 3, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^4, 4^7, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^4, 3, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{3^4, 4^9, 12\})$	15288238080
12	$\mathcal{O}(3; \{2, 3, 4^{11}, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^5, 4, 6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^8, 4, 6, 12\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{11}, 4, 6, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^5, 4^3, 6, 12\})$	1003290624

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^8, 4^3, 6, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3^2, 4^5, 6, 12\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^5, 4^5, 6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^2, 4^7, 6, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^5, 4^7, 6, 12\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^2, 4^9, 6, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{14}, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^6, 4, 6^2, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^9, 4, 6^2, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^3, 4^3, 6^2, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^6, 4^3, 6^2, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 4^5, 6^2, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^3, 4^5, 6^2, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^6, 4^5, 6^2, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 4^7, 6^2, 12\})$	764411904
12	$\mathcal{O}(3; \{2, 3^3, 4^7, 6^2, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 4^9, 6^2, 12\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^4, 4, 6^3, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^7, 4, 6^3, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 3, 4^3, 6^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^4, 4^3, 6^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^7, 4^3, 6^3, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 3, 4^5, 6^3, 12\})$	955514880
12	$\mathcal{O}(3; \{2, 3^4, 4^5, 6^3, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3, 4^7, 6^3, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^8, 3^2, 4, 6^4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^5, 4, 6^4, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^8, 4, 6^4, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 3^2, 4^3, 6^4, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^5, 4^3, 6^4, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3^2, 4^5, 6^4, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^9, 4, 6^5, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 6^5, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^6, 4, 6^5, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 4^3, 6^5, 12\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 6^5, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 4^5, 6^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{4^7, 6^5, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 3, 4, 6^6, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6^6, 12\})$	4072882176

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6^6, 12\})$	2054356992
12	$\mathcal{O}(3; \{3, 4^5, 6^6, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^7, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^2, 4^3, 6^7, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 4, 6^8, 12\})$	1015234560
12	$\mathcal{O}(3; \{3^3, 4, 6^8, 12\})$	8157708288
12	$\mathcal{O}(3; \{2, 4^3, 6^8, 12\})$	4060938240
12	$\mathcal{O}(3; \{2, 3, 4, 6^9, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{17}, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{13}, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^9, 3^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^5, 3^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^{12}, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{14}, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^6, 4^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^9, 4^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^{11}, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^7, 3^3, 4^4, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^6, 4^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^8, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^4, 3^3, 4^6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3^6, 4^6, 12^2\})$	32869711872
12	$\mathcal{O}(3; \{2^5, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{2, 3^3, 4^8, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^2, 4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{14}, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^{10}, 3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^7, 6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^{10}, 6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{11}, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^4, 4^2, 6, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^7, 4^2, 6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 3, 4^4, 6, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^4, 4^4, 6, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^7, 4^4, 6, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3, 4^6, 6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^4, 4^6, 6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3, 4^8, 6, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{11}, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^5, 6^2, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^8, 6^2, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^8, 3^2, 4^2, 6^2, 12^2\})$	525533184

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^5, 4^2, 6^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^8, 4^2, 6^2, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 3^2, 4^4, 6^2, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^5, 4^4, 6^2, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^2, 4^6, 6^2, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^{12}, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^3, 6^3, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^6, 6^3, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^9, 6^3, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^9, 4^2, 6^3, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 6^3, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 6^3, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 4^4, 6^3, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 6^3, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 4^6, 6^3, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{4^8, 6^3, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^9, 3, 6^4, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^4, 6^4, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^7, 6^4, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6^4, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6^4, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3, 4^6, 6^4, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^6, 3^2, 6^5, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^5, 6^5, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^5, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^2, 4^4, 6^5, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^7, 6^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^3, 6^6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 4^2, 6^6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{3^3, 4^2, 6^6, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2, 4^4, 6^6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3, 6^7, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^4, 6^7, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^7, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^2, 6^8, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 6^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^5, 4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^8, 4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 3^2, 4^3, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^5, 4^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3^8, 4^3, 12^3\})$	65166114816

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 3^2, 4^5, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^5, 4^5, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3^2, 4^7, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^{12}, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^8, 3^3, 4, 6, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^6, 4, 6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^9, 4, 6, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^9, 4^3, 6, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^5, 3^3, 4^3, 6, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^6, 4^3, 6, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 4^5, 6, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2^2, 3^3, 4^5, 6, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 4^7, 6, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{4^9, 6, 12^3\})$	36691771392
12	$\mathcal{O}(3; \{2^9, 3, 4, 6^2, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^4, 4, 6^2, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^7, 4, 6^2, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 3, 4^3, 6^2, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^4, 4^3, 6^2, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3, 4^5, 6^2, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{3, 4^7, 6^2, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 6^3, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 6^3, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 6^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3^2, 4^5, 6^3, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^7, 4, 6^4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6^4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 4^3, 6^4, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{3^3, 4^3, 6^4, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2, 4^5, 6^4, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^5, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^4, 4, 6^5, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^5, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 4, 6^7, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2^{12}, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^8, 3^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3^{10}, 12^4\})$	130475556864
12	$\mathcal{O}(3; \{2^9, 3, 4^2, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^5, 3^4, 4^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^7, 4^2, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^6, 3, 4^4, 12^4\})$	3822059520

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^4, 4^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3, 4^6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{3, 4^8, 12^4\})$	61152952320
12	$\mathcal{O}(3; \{2^9, 3^2, 6, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^5, 6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^8, 6, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 6, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 6, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{3^2, 4^6, 6, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2^{10}, 6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^3, 6^2, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^6, 6^2, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 4^2, 6^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 4^4, 6^2, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{3^3, 4^4, 6^2, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2, 4^6, 6^2, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^7, 3, 6^3, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^4, 6^3, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^3, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^4, 4^2, 6^3, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^3, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^4, 3^2, 6^4, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^5, 6^4, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^4, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 6^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^3, 6^5, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 4^2, 6^5, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3, 6^6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{6^8, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^{10}, 4, 12^5\})$	955514880
12	$\mathcal{O}(3; \{2^6, 3^3, 4, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^6, 4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^7, 4^3, 12^5\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 3^3, 4^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^4, 4^5, 12^5\})$	15288238080
12	$\mathcal{O}(3; \{3^3, 4^5, 12^5\})$	131478847488
12	$\mathcal{O}(3; \{2, 4^7, 12^5\})$	61152952320
12	$\mathcal{O}(3; \{2^7, 3, 4, 6, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 6, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 6, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{3^4, 4^3, 6, 12^5\})$	130714435584

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3, 4^5, 6, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6^2, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3^5, 4, 6^2, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6^2, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^5, 4, 6^3, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^3, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 4^3, 6^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{4, 6^6, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^7, 3^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{3^5, 4^2, 12^6\})$	260664459264
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^8, 6, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^3, 6, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^6, 6, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2^5, 4^2, 6, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 4^4, 6, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{2^5, 3, 6^2, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^4, 6^2, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 3^2, 6^3, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 6^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{4^2, 6^4, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{3, 6^5, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 3, 4, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^4, 4, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 4, 6^2, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{4^3, 6^2, 12^7\})$	259900047360
12	$\mathcal{O}(3; \{3, 4, 6^3, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^6, 12^8\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2^3, 4^2, 12^8\})$	131478847488
12	$\mathcal{O}(3; \{4^4, 12^8\})$	525915389952
12	$\mathcal{O}(3; \{2^3, 3, 6, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{3, 4^2, 6, 12^8\})$	522857742336
12	$\mathcal{O}(3; \{3^2, 6^2, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2, 6^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{3^2, 4, 12^9\})$	1042657837056

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 4, 6, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{2, 3, 12^{10}\})$	1042657837056
12	$\mathcal{O}(2; \{2^{22}, 3^2\})$	38880
12	$\mathcal{O}(2; \{2^{18}, 3^5\})$	194400
12	$\mathcal{O}(2; \{2^{14}, 3^8\})$	1671840
12	$\mathcal{O}(2; \{2^{10}, 3^{11}\})$	13258080
12	$\mathcal{O}(2; \{2^6, 3^{14}\})$	106181280
12	$\mathcal{O}(2; \{2^2, 3^{17}\})$	849333600
12	$\mathcal{O}(2; \{2^{19}, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^{11}, 4^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{14}, 4^2\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^8, 4^4\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4^4\})$	113135616
12	$\mathcal{O}(2; \{3^{14}, 4^4\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^5, 4^6\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^8, 4^6\})$	57065472
12	$\mathcal{O}(2; \{2, 3^{11}, 4^6\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^5, 4^8\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^8, 4^8\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3^2, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^5, 4^{10}\})$	106168320
12	$\mathcal{O}(2; \{2^4, 3^2, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{3^5, 4^{12}\})$	424673280
12	$\mathcal{O}(2; \{2, 3^2, 4^{14}\})$	339738624
12	$\mathcal{O}(2; \{2^{19}, 3^3, 6\})$	116640
12	$\mathcal{O}(2; \{2^{15}, 3^6, 6\})$	816480
12	$\mathcal{O}(2; \{2^{11}, 3^9, 6\})$	6648480
12	$\mathcal{O}(2; \{2^7, 3^{12}, 6\})$	53071200
12	$\mathcal{O}(2; \{2^3, 3^{15}, 6\})$	424686240
12	$\mathcal{O}(2; \{2^{16}, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^9, 4^2, 6\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{12}, 4^2, 6\})$	113218560
12	$\mathcal{O}(2; \{3^{15}, 4^2, 6\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^6, 4^4, 6\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^9, 4^4, 6\})$	56733696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^{12}, 4^4, 6\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^6, 4^6, 6\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^9, 4^6, 6\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3^3, 4^8, 6\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^6, 4^8, 6\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^3, 4^{10}, 6\})$	63700992
12	$\mathcal{O}(2; \{3^6, 4^{10}, 6\})$	445906944
12	$\mathcal{O}(2; \{2, 3^3, 4^{12}, 6\})$	254803968
12	$\mathcal{O}(2; \{2^{20}, 3, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^{16}, 3^4, 6^2\})$	427680
12	$\mathcal{O}(2; \{2^{12}, 3^7, 6^2\})$	3304800
12	$\mathcal{O}(2; \{2^8, 3^{10}, 6^2\})$	26555040
12	$\mathcal{O}(2; \{2^4, 3^{13}, 6^2\})$	212323680
12	$\mathcal{O}(2; \{3^{16}, 6^2\})$	1698706080
12	$\mathcal{O}(2; \{2^{17}, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^7, 4^2, 6^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4^2, 6^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{13}, 4^2, 6^2\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^7, 4^4, 6^2\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^4, 6^2\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^4, 4^6, 6^2\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^7, 4^6, 6^2\})$	112803840
12	$\mathcal{O}(2; \{2^8, 3, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^4, 4^8, 6^2\})$	58392576
12	$\mathcal{O}(2; \{3^7, 4^8, 6^2\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{2, 3^4, 4^{10}, 6^2\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{2^{17}, 3^2, 6^3\})$	194400
12	$\mathcal{O}(2; \{2^{13}, 3^5, 6^3\})$	1671840
12	$\mathcal{O}(2; \{2^9, 3^8, 6^3\})$	13258080
12	$\mathcal{O}(2; \{2^5, 3^{11}, 6^3\})$	106181280
12	$\mathcal{O}(2; \{2, 3^{14}, 6^3\})$	849333600
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^8, 4^2, 6^3\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^2, 6^3\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^4, 6^3\})$	1658880

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^5, 4^4, 6^3\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^8, 4^4, 6^3\})$	113135616
12	$\mathcal{O}(2; \{2^8, 3^2, 4^6, 6^3\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^5, 4^6, 6^3\})$	57065472
12	$\mathcal{O}(2; \{3^8, 4^6, 6^3\})$	452542464
12	$\mathcal{O}(2; \{2^5, 3^2, 4^8, 6^3\})$	26542080
12	$\mathcal{O}(2; \{2, 3^5, 4^8, 6^3\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{10}, 6^3\})$	106168320
12	$\mathcal{O}(2; \{2^{18}, 6^4\})$	116640
12	$\mathcal{O}(2; \{2^{14}, 3^3, 6^4\})$	816480
12	$\mathcal{O}(2; \{2^{10}, 3^6, 6^4\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3^9, 6^4\})$	53071200
12	$\mathcal{O}(2; \{2^2, 3^{12}, 6^4\})$	424686240
12	$\mathcal{O}(2; \{2^{15}, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^6, 4^2, 6^4\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^9, 4^2, 6^4\})$	113218560
12	$\mathcal{O}(2; \{2^{12}, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^8, 3^3, 4^4, 6^4\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^6, 4^4, 6^4\})$	56733696
12	$\mathcal{O}(2; \{3^9, 4^4, 6^4\})$	452874240
12	$\mathcal{O}(2; \{2^9, 4^6, 6^4\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^3, 4^6, 6^4\})$	27869184
12	$\mathcal{O}(2; \{2, 3^6, 4^6, 6^4\})$	226934784
12	$\mathcal{O}(2; \{2^6, 4^8, 6^4\})$	15925248
12	$\mathcal{O}(2; \{2^2, 3^3, 4^8, 6^4\})$	111476736
12	$\mathcal{O}(2; \{2^3, 4^{10}, 6^4\})$	63700992
12	$\mathcal{O}(2; \{4^{12}, 6^4\})$	254803968
12	$\mathcal{O}(2; \{2^{15}, 3, 6^5\})$	427680
12	$\mathcal{O}(2; \{2^{11}, 3^4, 6^5\})$	3304800
12	$\mathcal{O}(2; \{2^7, 3^7, 6^5\})$	26555040
12	$\mathcal{O}(2; \{2^3, 3^{10}, 6^5\})$	212323680
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 6^5\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 6^5\})$	56650752
12	$\mathcal{O}(2; \{3^{10}, 4^2, 6^5\})$	452957184
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 6^5\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 6^5\})$	28200960
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 6^5\})$	226603008
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 6^5\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 6^5\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 6^5\})$	58392576
12	$\mathcal{O}(2; \{3, 4^{10}, 6^5\})$	233570304

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{12}, 3^2, 6^6\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^5, 6^6\})$	13258080
12	$\mathcal{O}(2; \{2^4, 3^8, 6^6\})$	106181280
12	$\mathcal{O}(2; \{3^{11}, 6^6\})$	849333600
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6^6\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6^6\})$	28283904
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6^6\})$	226520064
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6^6\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6^6\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6^6\})$	57065472
12	$\mathcal{O}(2; \{3^2, 4^8, 6^6\})$	228261888
12	$\mathcal{O}(2; \{2^{13}, 6^7\})$	816480
12	$\mathcal{O}(2; \{2^9, 3^3, 6^7\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^6, 6^7\})$	53071200
12	$\mathcal{O}(2; \{2, 3^9, 6^7\})$	424686240
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^7\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^7\})$	113218560
12	$\mathcal{O}(2; \{2^7, 4^4, 6^7\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^7\})$	56733696
12	$\mathcal{O}(2; \{2^4, 4^6, 6^7\})$	27869184
12	$\mathcal{O}(2; \{3^3, 4^6, 6^7\})$	226934784
12	$\mathcal{O}(2; \{2, 4^8, 6^7\})$	111476736
12	$\mathcal{O}(2; \{2^{10}, 3, 6^8\})$	3304800
12	$\mathcal{O}(2; \{2^6, 3^4, 6^8\})$	26555040
12	$\mathcal{O}(2; \{2^2, 3^7, 6^8\})$	212323680
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^8\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^8\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^8\})$	28200960
12	$\mathcal{O}(2; \{3^4, 4^4, 6^8\})$	226603008
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^8\})$	112803840
12	$\mathcal{O}(2; \{2^7, 3^2, 6^9\})$	13258080
12	$\mathcal{O}(2; \{2^3, 3^5, 6^9\})$	106181280
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^9\})$	28283904
12	$\mathcal{O}(2; \{3^5, 4^2, 6^9\})$	226520064
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^9\})$	113135616
12	$\mathcal{O}(2; \{2^8, 6^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^4, 3^3, 6^{10}\})$	53071200
12	$\mathcal{O}(2; \{3^6, 6^{10}\})$	424686240
12	$\mathcal{O}(2; \{2^5, 4^2, 6^{10}\})$	14183424
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^{10}\})$	113218560
12	$\mathcal{O}(2; \{2^2, 4^4, 6^{10}\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3, 6^{11}\})$	26555040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^4, 6^{11}\})$	212323680
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^{11}\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^2, 6^{12}\})$	106181280
12	$\mathcal{O}(2; \{2^3, 6^{13}\})$	53071200
12	$\mathcal{O}(2; \{4^2, 6^{13}\})$	113218560
12	$\mathcal{O}(2; \{3, 6^{14}\})$	212323680
12	$\mathcal{O}(2; \{2^{20}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^{10}, 4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{13}, 4, 12\})$	226520064
12	$\mathcal{O}(2; \{3^{16}, 4, 12\})$	1811911680
12	$\mathcal{O}(2; \{2^{17}, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^7, 4^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4^3, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{13}, 4^3, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{14}, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^7, 4^5, 12\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2^{11}, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^4, 4^7, 12\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^7, 4^7, 12\})$	228261888
12	$\mathcal{O}(2; \{2^8, 3, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^4, 4^9, 12\})$	106168320
12	$\mathcal{O}(2; \{3^7, 4^9, 12\})$	913047552
12	$\mathcal{O}(2; \{2^5, 3, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{2, 3^4, 4^{11}, 12\})$	424673280
12	$\mathcal{O}(2; \{2^2, 3, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^8, 4, 6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{11}, 4, 6, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{14}, 4, 6, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^8, 4^3, 6, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^3, 6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^5, 4^5, 6, 12\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^8, 4^5, 6, 12\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3^2, 4^7, 6, 12\})$	15925248

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^5, 4^7, 6, 12\})$	111476736
12	$\mathcal{O}(2; \{3^8, 4^7, 6, 12\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^2, 4^9, 6, 12\})$	63700992
12	$\mathcal{O}(2; \{2, 3^5, 4^9, 6, 12\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{11}, 6, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{18}, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^9, 4, 6^2, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4, 6^2, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^6, 4^3, 6^2, 12\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^9, 4^3, 6^2, 12\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^3, 4^5, 6^2, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^6, 4^5, 6^2, 12\})$	112803840
12	$\mathcal{O}(2; \{3^9, 4^5, 6^2, 12\})$	906412032
12	$\mathcal{O}(2; \{2^9, 4^7, 6^2, 12\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^3, 4^7, 6^2, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^6, 4^7, 6^2, 12\})$	451215360
12	$\mathcal{O}(2; \{2^6, 4^9, 6^2, 12\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^3, 4^9, 6^2, 12\})$	233570304
12	$\mathcal{O}(2; \{2^3, 4^{11}, 6^2, 12\})$	84934656
12	$\mathcal{O}(2; \{4^{13}, 6^2, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^7, 4, 6^3, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4, 6^3, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^4, 4^3, 6^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^7, 4^3, 6^3, 12\})$	113135616
12	$\mathcal{O}(2; \{3^{10}, 4^3, 6^3, 12\})$	906080256
12	$\mathcal{O}(2; \{2^9, 3, 4^5, 6^3, 12\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^4, 4^5, 6^3, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^7, 4^5, 6^3, 12\})$	452542464
12	$\mathcal{O}(2; \{2^6, 3, 4^7, 6^3, 12\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^4, 4^7, 6^3, 12\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3, 4^9, 6^3, 12\})$	106168320
12	$\mathcal{O}(2; \{3, 4^{11}, 6^3, 12\})$	424673280
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^5, 4, 6^4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^8, 4, 6^4, 12\})$	113218560

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^{11}, 4, 6^4, 12\})$	905997312
12	$\mathcal{O}(2; \{2^9, 3^2, 4^3, 6^4, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^5, 4^3, 6^4, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^8, 4^3, 6^4, 12\})$	452874240
12	$\mathcal{O}(2; \{2^6, 3^2, 4^5, 6^4, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^5, 4^5, 6^4, 12\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^2, 4^7, 6^4, 12\})$	111476736
12	$\mathcal{O}(2; \{3^2, 4^9, 6^4, 12\})$	445906944
12	$\mathcal{O}(2; \{2^{13}, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 6^5, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 6^5, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^9, 4, 6^5, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 6^5, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 6^5, 12\})$	226603008
12	$\mathcal{O}(2; \{2^7, 4^5, 6^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 6^5, 12\})$	112803840
12	$\mathcal{O}(2; \{2^4, 4^7, 6^5, 12\})$	58392576
12	$\mathcal{O}(2; \{3^3, 4^7, 6^5, 12\})$	451215360
12	$\mathcal{O}(2; \{2, 4^9, 6^5, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6^6, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6^6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6^6, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6^6, 12\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6^6, 12\})$	57065472
12	$\mathcal{O}(2; \{3^4, 4^5, 6^6, 12\})$	452542464
12	$\mathcal{O}(2; \{2, 3, 4^7, 6^6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^7, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^7, 12\})$	113218560
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^7, 12\})$	56733696
12	$\mathcal{O}(2; \{3^5, 4^3, 6^7, 12\})$	452874240
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^7, 12\})$	226934784
12	$\mathcal{O}(2; \{2^8, 4, 6^8, 12\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^8, 12\})$	56650752
12	$\mathcal{O}(2; \{3^6, 4, 6^8, 12\})$	452957184
12	$\mathcal{O}(2; \{2^5, 4^3, 6^8, 12\})$	28200960
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^8, 12\})$	226603008
12	$\mathcal{O}(2; \{2^2, 4^5, 6^8, 12\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^9, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^9, 12\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^9, 12\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^{10}, 12\})$	113218560

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 4, 6^{11}, 12\})$	56650752
12	$\mathcal{O}(2; \{4^3, 6^{11}, 12\})$	226603008
12	$\mathcal{O}(2; \{3, 4, 6^{12}, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{21}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{17}, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{13}, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^9, 3^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^5, 3^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 3^{15}, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{18}, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^9, 4^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{15}, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^6, 4^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^9, 4^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^{12}, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^8, 3^3, 4^6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^6, 4^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3^9, 4^6, 12^2\})$	1810169856
12	$\mathcal{O}(2; \{2^9, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^5, 3^3, 4^8, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2, 3^6, 4^8, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^6, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{10}, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^3, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{4^{14}, 12^2\})$	1358954496
12	$\mathcal{O}(2; \{2^{18}, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{14}, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^{10}, 6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{13}, 6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{15}, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^7, 4^2, 6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^2, 6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^4, 4^4, 6, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^7, 4^4, 6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^{10}, 4^4, 6, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 3, 4^6, 6, 12^2\})$	15925248

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^4, 4^6, 6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2, 3^7, 4^6, 6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3, 4^8, 6, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^4, 4^8, 6, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3, 4^{10}, 6, 12^2\})$	254803968
12	$\mathcal{O}(2; \{3, 4^{12}, 6, 12^2\})$	1019215872
12	$\mathcal{O}(2; \{2^{15}, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^8, 6^2, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{11}, 6^2, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^5, 4^2, 6^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^8, 4^2, 6^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^{11}, 4^2, 6^2, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 3^2, 4^4, 6^2, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^5, 4^4, 6^2, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2, 3^8, 4^4, 6^2, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^6, 3^2, 4^6, 6^2, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^5, 4^6, 6^2, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^2, 4^8, 6^2, 12^2\})$	233570304
12	$\mathcal{O}(2; \{3^2, 4^{10}, 6^2, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^{16}, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^6, 6^3, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^9, 6^3, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^{12}, 6^3, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{13}, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 6^3, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 6^3, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 6^3, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 4^4, 6^3, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 6^3, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 6^3, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^7, 4^6, 6^3, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 6^3, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^4, 4^8, 6^3, 12^2\})$	106168320
12	$\mathcal{O}(2; \{3^3, 4^8, 6^3, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2, 4^{10}, 6^3, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{13}, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^4, 6^4, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^7, 6^4, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{10}, 6^4, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6^4, 12^2\})$	6967296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6^4, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6^4, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6^4, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^4, 4^6, 6^4, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2, 3, 4^8, 6^4, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6^5, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^5, 6^5, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^8, 6^5, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^5, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^5, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^5, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^5, 4^4, 6^5, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^5, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^{11}, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^3, 6^6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^6, 6^6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^8, 4^2, 6^6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^6, 4^2, 6^6, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^5, 4^4, 6^6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^2, 4^6, 6^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2^8, 3, 6^7, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^4, 6^7, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^7, 6^7, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^7, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^7, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^7, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3^2, 6^8, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^5, 6^8, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^8, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^6, 6^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^3, 6^9, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^3, 4^2, 6^9, 12^2\})$	113135616
12	$\mathcal{O}(2; \{4^4, 6^9, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3, 6^{10}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3, 4^2, 6^{10}, 12^2\})$	452874240
12	$\mathcal{O}(2; \{3^2, 6^{11}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2, 6^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4, 12^3\})$	14266368

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^8, 4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^5, 4^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^8, 4^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^{11}, 4^3, 12^3\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 3^2, 4^5, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^5, 4^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2, 3^8, 4^5, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 3^2, 4^7, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^5, 4^7, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^3, 3^2, 4^9, 12^3\})$	424673280
12	$\mathcal{O}(2; \{3^2, 4^{11}, 12^3\})$	1698693120
12	$\mathcal{O}(2; \{2^{16}, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^6, 4, 6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^9, 4, 6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{3^{12}, 4, 6, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^{13}, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3^3, 4^3, 6, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^6, 4^3, 6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3^9, 4^3, 6, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^3, 4^5, 6, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^6, 4^5, 6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^7, 4^7, 6, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^3, 3^3, 4^7, 6, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^4, 4^9, 6, 12^3\})$	254803968
12	$\mathcal{O}(2; \{3^3, 4^9, 6, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2, 4^{11}, 6, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{13}, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^4, 4, 6^2, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^7, 4, 6^2, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{10}, 4, 6^2, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^4, 4^3, 6^2, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^7, 4^3, 6^2, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^7, 3, 4^5, 6^2, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^4, 4^5, 6^2, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3, 4^7, 6^2, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3^4, 4^7, 6^2, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2, 3, 4^9, 6^2, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 6^3, 12^3\})$	14266368

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 6^3, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 6^3, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 6^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 6^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 6^3, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^5, 4^5, 6^3, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 6^3, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^{11}, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6^4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6^4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^8, 4^3, 6^4, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6^4, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^6, 4^3, 6^4, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 4^5, 6^4, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6^4, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^2, 4^7, 6^4, 12^3\})$	445906944
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^5, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^5, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^7, 4, 6^5, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^5, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^5, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^6, 4, 6^7, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^7, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^3, 4^3, 6^7, 12^3\})$	226934784
12	$\mathcal{O}(2; \{4^5, 6^7, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^8, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3, 4^3, 6^8, 12^3\})$	906412032
12	$\mathcal{O}(2; \{3^2, 4, 6^9, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2, 4, 6^{10}, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{16}, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{12}, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^8, 3^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{3^{13}, 12^4\})$	7247646720
12	$\mathcal{O}(2; \{2^{13}, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^9, 3^4, 4^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^7, 4^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3^{10}, 4^2, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^{10}, 3, 4^4, 12^4\})$	26542080

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^4, 4^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^7, 4^4, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 3, 4^6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3^4, 4^6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^4, 3, 4^8, 12^4\})$	424673280
12	$\mathcal{O}(2; \{3^4, 4^8, 12^4\})$	3652190208
12	$\mathcal{O}(2; \{2, 3, 4^{10}, 12^4\})$	1698693120
12	$\mathcal{O}(2; \{2^{13}, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^5, 6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^8, 6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2, 3^{11}, 6, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 6, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3^5, 4^6, 6, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 6, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^{14}, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^6, 6^2, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^9, 6^2, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^8, 4^4, 6^2, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6^2, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^6, 4^4, 6^2, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 4^6, 6^2, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6^2, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 4^8, 6^2, 12^4\})$	934281216
12	$\mathcal{O}(2; \{2^{11}, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^4, 6^3, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^7, 6^3, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^3, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^3, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^7, 4^2, 6^3, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^3, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^3, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^3, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^8, 3^2, 6^4, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^5, 6^4, 12^4\})$	452874240

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^8, 6^4, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^4, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^4, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^9, 6^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^3, 6^5, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^6, 6^5, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^6, 4^2, 6^5, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^5, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^3, 4^4, 6^5, 12^4\})$	451215360
12	$\mathcal{O}(2; \{4^6, 6^5, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^6, 3, 6^6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^4, 6^6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3, 4^4, 6^6, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3^2, 6^7, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^2, 4^2, 6^7, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 6^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{3^3, 6^8, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2, 4^2, 6^8, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2, 3, 6^9, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{14}, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^6, 4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^9, 4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^{11}, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2^7, 3^3, 4^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^6, 4^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^8, 4^5, 12^5\})$	106168320
12	$\mathcal{O}(2; \{2^4, 3^3, 4^5, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3^6, 4^5, 12^5\})$	7240679424
12	$\mathcal{O}(2; \{2^5, 4^7, 12^5\})$	424673280
12	$\mathcal{O}(2; \{2, 3^3, 4^7, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^2, 4^9, 12^5\})$	1698693120
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 6, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 6, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 6, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^7, 4^3, 6, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 6, 12^5\})$	445906944
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 6, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 6, 12^5\})$	1783627776

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6^2, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6^2, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^8, 4, 6^2, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6^2, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6^2, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6^2, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^9, 4, 6^3, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^3, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^3, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 4^3, 6^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 4^5, 6^3, 12^5\})$	913047552
12	$\mathcal{O}(2; \{4^7, 6^3, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^4, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3, 4^5, 6^4, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^5, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^2, 4^3, 6^5, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 4, 6^6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{3^3, 4, 6^6, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2, 4^3, 6^6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2, 3, 4, 6^7, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^{11}, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^7, 3^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3^8, 4^2, 12^6\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 12^6\})$	913047552
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^{12}, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^8, 3^3, 6, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^6, 6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3^9, 6, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^9, 4^2, 6, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 4^4, 6, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 4^6, 6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{4^8, 6, 12^6\})$	7134511104

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 3, 6^2, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^4, 6^2, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^7, 6^2, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^2, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{3, 4^6, 6^2, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^6, 3^2, 6^3, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^5, 6^3, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^3, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3^2, 4^4, 6^3, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^7, 6^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^3, 6^4, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 4^2, 6^4, 12^6\})$	907739136
12	$\mathcal{O}(2; \{3^3, 4^2, 6^4, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2, 4^4, 6^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 3, 6^5, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^4, 6^5, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^5, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^2, 6^6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 6^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 3, 4, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^7, 4, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 12^7\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{3, 4^7, 12^7\})$	14608760832
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{3^2, 4^5, 6, 12^7\})$	14523826176
12	$\mathcal{O}(2; \{2^7, 4, 6^2, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^2, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 4^3, 6^2, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{3^3, 4^3, 6^2, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2, 4^5, 6^2, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^3, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^4, 4, 6^3, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 4, 6^5, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{2^{10}, 12^8\})$	228261888

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^7, 4^2, 12^8\})$	913047552
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^4, 4^4, 12^8\})$	3652190208
12	$\mathcal{O}(2; \{3^3, 4^4, 12^8\})$	28962717696
12	$\mathcal{O}(2; \{2, 4^6, 12^8\})$	14608760832
12	$\mathcal{O}(2; \{2^7, 3, 6, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^4, 6, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{3^4, 4^2, 6, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2, 3, 4^4, 6, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^4, 3^2, 6^2, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^5, 6^2, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^5, 6^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^3, 6^3, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 4^2, 6^3, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3, 6^4, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{6^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{3^5, 4, 12^9\})$	57989136384
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{2^5, 4, 6, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^3, 4, 6, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 4^3, 6, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^2, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{4, 6^4, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^5, 3, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^4, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{2^2, 3^2, 6, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2^3, 6^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{4^2, 6^2, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{3, 6^3, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^3, 4, 12^{11}\})$	28962717696
12	$\mathcal{O}(2; \{4^3, 12^{11}\})$	115850870784
12	$\mathcal{O}(2; \{3, 4, 6, 12^{11}\})$	115935805440
12	$\mathcal{O}(2; \{3^2, 12^{12}\})$	231956545536
12	$\mathcal{O}(2; \{2, 6, 12^{12}\})$	115935805440
12	$\mathcal{O}(1; \{2^{26}, 3^2\})$	216
12	$\mathcal{O}(1; \{2^{22}, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^{18}, 3^8\})$	9288

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 3^{11}\})$	73656
12	$\mathcal{O}(1; \{2^{10}, 3^{14}\})$	589896
12	$\mathcal{O}(1; \{2^6, 3^{17}\})$	4718520
12	$\mathcal{O}(1; \{2^2, 3^{20}\})$	37748808
12	$\mathcal{O}(1; \{2^{23}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{14}, 4^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{17}, 4^2\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4^4\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4^4\})$	6292224
12	$\mathcal{O}(1; \{3^{17}, 4^4\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^8, 4^6\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^6\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{14}, 4^6\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^8, 4^8\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^8\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^5, 4^{10}\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^8, 4^{10}\})$	6340608
12	$\mathcal{O}(1; \{2^8, 3^2, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^5, 4^{12}\})$	2949120
12	$\mathcal{O}(1; \{3^8, 4^{12}\})$	25362432
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{2, 3^5, 4^{14}\})$	11796480
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{2^{23}, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{2^{19}, 3^6, 6\})$	4536
12	$\mathcal{O}(1; \{2^{15}, 3^9, 6\})$	36936
12	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6\})$	294840
12	$\mathcal{O}(1; \{2^7, 3^{15}, 6\})$	2359368
12	$\mathcal{O}(1; \{2^3, 3^{18}, 6\})$	18874296
12	$\mathcal{O}(1; \{2^{20}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^9, 4^2, 6\})$	98496

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^{12}, 4^2, 6\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{15}, 4^2, 6\})$	6291648
12	$\mathcal{O}(1; \{3^{18}, 4^2, 6\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^9, 4^4, 6\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^4, 6\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{15}, 4^4, 6\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^9, 4^6, 6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^6, 6\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^6, 4^8, 6\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^9, 4^8, 6\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^3, 4^{10}, 6\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^6, 4^{10}, 6\})$	3096576
12	$\mathcal{O}(1; \{3^9, 4^{10}, 6\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{12}, 6\})$	1769472
12	$\mathcal{O}(1; \{2, 3^6, 4^{12}, 6\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{14}, 6\})$	7077888
12	$\mathcal{O}(1; \{2^{24}, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{20}, 3^4, 6^2\})$	2376
12	$\mathcal{O}(1; \{2^{16}, 3^7, 6^2\})$	18360
12	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^2\})$	147528
12	$\mathcal{O}(1; \{2^8, 3^{13}, 6^2\})$	1179576
12	$\mathcal{O}(1; \{2^4, 3^{16}, 6^2\})$	9437256
12	$\mathcal{O}(1; \{3^{19}, 6^2\})$	75497400
12	$\mathcal{O}(1; \{2^{21}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4^2, 6^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4^2, 6^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{16}, 4^2, 6^2\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^4, 6^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^4, 6^2\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^7, 4^6, 6^2\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^6, 6^2\})$	6294528

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^4, 4^8, 6^2\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^7, 4^8, 6^2\})$	3133440
12	$\mathcal{O}(1; \{3^{10}, 4^8, 6^2\})$	25178112
12	$\mathcal{O}(1; \{2^9, 3, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^4, 4^{10}, 6^2\})$	1622016
12	$\mathcal{O}(1; \{2, 3^7, 4^{10}, 6^2\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{12}, 6^2\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{3, 4^{16}, 6^2\})$	9437184
12	$\mathcal{O}(1; \{2^{21}, 3^2, 6^3\})$	1080
12	$\mathcal{O}(1; \{2^{17}, 3^5, 6^3\})$	9288
12	$\mathcal{O}(1; \{2^{13}, 3^8, 6^3\})$	73656
12	$\mathcal{O}(1; \{2^9, 3^{11}, 6^3\})$	589896
12	$\mathcal{O}(1; \{2^5, 3^{14}, 6^3\})$	4718520
12	$\mathcal{O}(1; \{2, 3^{17}, 6^3\})$	37748808
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^2, 6^3\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^2, 6^3\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^8, 4^4, 6^3\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^4, 6^3\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^5, 4^6, 6^3\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^8, 4^6, 6^3\})$	3142656
12	$\mathcal{O}(1; \{3^{11}, 4^6, 6^3\})$	25168896
12	$\mathcal{O}(1; \{2^9, 3^2, 4^8, 6^3\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^5, 4^8, 6^3\})$	1585152
12	$\mathcal{O}(1; \{2, 3^8, 4^8, 6^3\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{10}, 6^3\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{10}, 6^3\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{12}, 6^3\})$	2949120
12	$\mathcal{O}(1; \{3^2, 4^{14}, 6^3\})$	11796480
12	$\mathcal{O}(1; \{2^{22}, 6^4\})$	648
12	$\mathcal{O}(1; \{2^{18}, 3^3, 6^4\})$	4536
12	$\mathcal{O}(1; \{2^{14}, 3^6, 6^4\})$	36936
12	$\mathcal{O}(1; \{2^{10}, 3^9, 6^4\})$	294840
12	$\mathcal{O}(1; \{2^6, 3^{12}, 6^4\})$	2359368
12	$\mathcal{O}(1; \{2^2, 3^{15}, 6^4\})$	18874296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{19}, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^9, 4^2, 6^4\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^2, 6^4\})$	6291648
12	$\mathcal{O}(1; \{2^{16}, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^6, 4^4, 6^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^9, 4^4, 6^4\})$	3144960
12	$\mathcal{O}(1; \{3^{12}, 4^4, 6^4\})$	25166592
12	$\mathcal{O}(1; \{2^{13}, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^3, 4^6, 6^4\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^6, 4^6, 6^4\})$	1575936
12	$\mathcal{O}(1; \{2, 3^9, 4^6, 6^4\})$	12579840
12	$\mathcal{O}(1; \{2^{10}, 4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^3, 4^8, 6^4\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^6, 4^8, 6^4\})$	6303744
12	$\mathcal{O}(1; \{2^7, 4^{10}, 6^4\})$	442368
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{10}, 6^4\})$	3096576
12	$\mathcal{O}(1; \{2^4, 4^{12}, 6^4\})$	1769472
12	$\mathcal{O}(1; \{3^3, 4^{12}, 6^4\})$	12386304
12	$\mathcal{O}(1; \{2, 4^{14}, 6^4\})$	7077888
12	$\mathcal{O}(1; \{2^{19}, 3, 6^5\})$	2376
12	$\mathcal{O}(1; \{2^{15}, 3^4, 6^5\})$	18360
12	$\mathcal{O}(1; \{2^{11}, 3^7, 6^5\})$	147528
12	$\mathcal{O}(1; \{2^7, 3^{10}, 6^5\})$	1179576
12	$\mathcal{O}(1; \{2^3, 3^{13}, 6^5\})$	9437256
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 6^5\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 6^5\})$	3145536
12	$\mathcal{O}(1; \{3^{13}, 4^2, 6^5\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 6^5\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 6^5\})$	1573632
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 6^5\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 6^5\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 6^5\})$	6294528
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 6^5\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 6^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 6^5\})$	1622016
12	$\mathcal{O}(1; \{3^4, 4^{10}, 6^5\})$	12533760

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 6^5\})$	6488064
12	$\mathcal{O}(1; \{2^{16}, 3^2, 6^6\})$	9288
12	$\mathcal{O}(1; \{2^{12}, 3^5, 6^6\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^8, 6^6\})$	589896
12	$\mathcal{O}(1; \{2^4, 3^{11}, 6^6\})$	4718520
12	$\mathcal{O}(1; \{3^{14}, 6^6\})$	37748808
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6^6\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6^6\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6^6\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6^6\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6^6\})$	6292224
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6^6\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6^6\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6^6\})$	1585152
12	$\mathcal{O}(1; \{3^5, 4^8, 6^6\})$	12570624
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6^6\})$	6340608
12	$\mathcal{O}(1; \{2^{17}, 6^7\})$	4536
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6^7\})$	36936
12	$\mathcal{O}(1; \{2^9, 3^6, 6^7\})$	294840
12	$\mathcal{O}(1; \{2^5, 3^9, 6^7\})$	2359368
12	$\mathcal{O}(1; \{2, 3^{12}, 6^7\})$	18874296
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^7\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^7\})$	6291648
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^7\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^7\})$	3144960
12	$\mathcal{O}(1; \{2^8, 4^6, 6^7\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^7\})$	1575936
12	$\mathcal{O}(1; \{3^6, 4^6, 6^7\})$	12579840
12	$\mathcal{O}(1; \{2^5, 4^8, 6^7\})$	774144
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^7\})$	6303744
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^7\})$	3096576
12	$\mathcal{O}(1; \{2^{14}, 3, 6^8\})$	18360
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^8\})$	147528
12	$\mathcal{O}(1; \{2^6, 3^7, 6^8\})$	1179576
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^8\})$	9437256
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^8\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^8\})$	3145536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^8\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^8\})$	1573632
12	$\mathcal{O}(1; \{3^7, 4^4, 6^8\})$	12582144
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^8\})$	783360
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^8\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^8\})$	3133440
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^9\})$	73656
12	$\mathcal{O}(1; \{2^7, 3^5, 6^9\})$	589896
12	$\mathcal{O}(1; \{2^3, 3^8, 6^9\})$	4718520
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^9\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^9\})$	1573056
12	$\mathcal{O}(1; \{3^8, 4^2, 6^9\})$	12582720
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^9\})$	785664
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^9\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^9\})$	3142656
12	$\mathcal{O}(1; \{2^{12}, 6^{10}\})$	36936
12	$\mathcal{O}(1; \{2^8, 3^3, 6^{10}\})$	294840
12	$\mathcal{O}(1; \{2^4, 3^6, 6^{10}\})$	2359368
12	$\mathcal{O}(1; \{3^9, 6^{10}\})$	18874296
12	$\mathcal{O}(1; \{2^9, 4^2, 6^{10}\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^{10}\})$	786240
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^{10}\})$	6291648
12	$\mathcal{O}(1; \{2^6, 4^4, 6^{10}\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^{10}\})$	3144960
12	$\mathcal{O}(1; \{2^3, 4^6, 6^{10}\})$	1575936
12	$\mathcal{O}(1; \{4^8, 6^{10}\})$	6303744
12	$\mathcal{O}(1; \{2^9, 3, 6^{11}\})$	147528
12	$\mathcal{O}(1; \{2^5, 3^4, 6^{11}\})$	1179576
12	$\mathcal{O}(1; \{2, 3^7, 6^{11}\})$	9437256
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^{11}\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^{11}\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^{11}\})$	1573632
12	$\mathcal{O}(1; \{3, 4^6, 6^{11}\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3^2, 6^{12}\})$	589896
12	$\mathcal{O}(1; \{2^2, 3^5, 6^{12}\})$	4718520
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^{12}\})$	1573056
12	$\mathcal{O}(1; \{3^2, 4^4, 6^{12}\})$	6292224
12	$\mathcal{O}(1; \{2^7, 6^{13}\})$	294840
12	$\mathcal{O}(1; \{2^3, 3^3, 6^{13}\})$	2359368
12	$\mathcal{O}(1; \{2^4, 4^2, 6^{13}\})$	786240
12	$\mathcal{O}(1; \{3^3, 4^2, 6^{13}\})$	6291648
12	$\mathcal{O}(1; \{2, 4^4, 6^{13}\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3, 6^{14}\})$	1179576

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 6^{14}\})$	9437256
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^{14}\})$	3145536
12	$\mathcal{O}(1; \{2, 3^2, 6^{15}\})$	4718520
12	$\mathcal{O}(1; \{2^2, 6^{16}\})$	2359368
12	$\mathcal{O}(1; \{2^{24}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{13}, 4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{16}, 4, 12\})$	12582720
12	$\mathcal{O}(1; \{3^{19}, 4, 12\})$	100663488
12	$\mathcal{O}(1; \{2^{21}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{16}, 4^3, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{18}, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^5, 12\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{15}, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^7, 4^7, 12\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^7, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{12}, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^4, 4^9, 12\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^7, 4^9, 12\})$	6340608
12	$\mathcal{O}(1; \{3^{10}, 4^9, 12\})$	50282496
12	$\mathcal{O}(1; \{2^9, 3, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^4, 4^{11}, 12\})$	2949120
12	$\mathcal{O}(1; \{2, 3^7, 4^{11}, 12\})$	25362432
12	$\mathcal{O}(1; \{2^6, 3, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{13}, 12\})$	11796480
12	$\mathcal{O}(1; \{2^3, 3, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{3, 4^{17}, 12\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{11}, 4, 6, 12\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{14}, 4, 6, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{17}, 4, 6, 12\})$	50331456

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^3, 6, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^3, 6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^8, 4^5, 6, 12\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^5, 6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^5, 4^7, 6, 12\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^8, 4^7, 6, 12\})$	6303744
12	$\mathcal{O}(1; \{3^{11}, 4^7, 6, 12\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3^2, 4^9, 6, 12\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^5, 4^9, 6, 12\})$	3096576
12	$\mathcal{O}(1; \{2, 3^8, 4^9, 6, 12\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{11}, 6, 12\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{11}, 6, 12\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{13}, 6, 12\})$	7077888
12	$\mathcal{O}(1; \{3^2, 4^{15}, 6, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{22}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4, 6^2, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4, 6^2, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^9, 4^3, 6^2, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^3, 6^2, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^6, 4^5, 6^2, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^9, 4^5, 6^2, 12\})$	6294528
12	$\mathcal{O}(1; \{3^{12}, 4^5, 6^2, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^3, 4^7, 6^2, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^6, 4^7, 6^2, 12\})$	3133440
12	$\mathcal{O}(1; \{2, 3^9, 4^7, 6^2, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^3, 4^9, 6^2, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^6, 4^9, 6^2, 12\})$	12533760

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 4^{11}, 6^2, 12\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{11}, 6^2, 12\})$	6488064
12	$\mathcal{O}(1; \{2^4, 4^{13}, 6^2, 12\})$	2359296
12	$\mathcal{O}(1; \{3^3, 4^{13}, 6^2, 12\})$	25952256
12	$\mathcal{O}(1; \{2, 4^{15}, 6^2, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4, 6^3, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4, 6^3, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^7, 4^3, 6^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^3, 6^3, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{13}, 4^3, 6^3, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^4, 4^5, 6^3, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^7, 4^5, 6^3, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{10}, 4^5, 6^3, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^4, 4^7, 6^3, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^7, 4^7, 6^3, 12\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3, 4^9, 6^3, 12\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^4, 4^9, 6^3, 12\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3, 4^{11}, 6^3, 12\})$	2949120
12	$\mathcal{O}(1; \{3^4, 4^{11}, 6^3, 12\})$	25362432
12	$\mathcal{O}(1; \{2, 3, 4^{13}, 6^3, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^8, 4, 6^4, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4, 6^4, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{14}, 4, 6^4, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^5, 4^3, 6^4, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^8, 4^3, 6^4, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{11}, 4^3, 6^4, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^5, 4^5, 6^4, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^8, 4^5, 6^4, 12\})$	12579840
12	$\mathcal{O}(1; \{2^7, 3^2, 4^7, 6^4, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^5, 4^7, 6^4, 12\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^2, 4^9, 6^4, 12\})$	3096576
12	$\mathcal{O}(1; \{3^5, 4^9, 6^4, 12\})$	25214976

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^2, 4^{11}, 6^4, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{17}, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 6^5, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 6^5, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 6^5, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 6^5, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 6^5, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 6^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 6^5, 12\})$	6294528
12	$\mathcal{O}(1; \{2^8, 4^7, 6^5, 12\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 6^5, 12\})$	3133440
12	$\mathcal{O}(1; \{3^6, 4^7, 6^5, 12\})$	25178112
12	$\mathcal{O}(1; \{2^5, 4^9, 6^5, 12\})$	1622016
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 6^5, 12\})$	12533760
12	$\mathcal{O}(1; \{2^2, 4^{11}, 6^5, 12\})$	6488064
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6^6, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6^6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6^6, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6^6, 12\})$	6292224
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6^6, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6^6, 12\})$	3142656
12	$\mathcal{O}(1; \{3^7, 4^5, 6^6, 12\})$	25168896
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6^6, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6^6, 12\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6^6, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^7, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^7, 12\})$	6291648
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^7, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^7, 12\})$	3144960
12	$\mathcal{O}(1; \{3^8, 4^3, 6^7, 12\})$	25166592
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^7, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^7, 12\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^7, 12\})$	6303744
12	$\mathcal{O}(1; \{2^{12}, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^8, 12\})$	393408

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^8, 12\})$	3145536
12	$\mathcal{O}(1; \{3^9, 4, 6^8, 12\})$	25166016
12	$\mathcal{O}(1; \{2^9, 4^3, 6^8, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^8, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^8, 12\})$	12582144
12	$\mathcal{O}(1; \{2^6, 4^5, 6^8, 12\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^8, 12\})$	6294528
12	$\mathcal{O}(1; \{2^3, 4^7, 6^8, 12\})$	3133440
12	$\mathcal{O}(1; \{4^9, 6^8, 12\})$	12533760
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^9, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^9, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^9, 12\})$	12582720
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^9, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^9, 12\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^9, 12\})$	3142656
12	$\mathcal{O}(1; \{3, 4^7, 6^9, 12\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^{10}, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^{10}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^{10}, 12\})$	3144960
12	$\mathcal{O}(1; \{3^2, 4^5, 6^{10}, 12\})$	12579840
12	$\mathcal{O}(1; \{2^7, 4, 6^{11}, 12\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^{11}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^4, 4^3, 6^{11}, 12\})$	1573632
12	$\mathcal{O}(1; \{3^3, 4^3, 6^{11}, 12\})$	12582144
12	$\mathcal{O}(1; \{2, 4^5, 6^{11}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^{12}, 12\})$	1573056
12	$\mathcal{O}(1; \{3^4, 4, 6^{12}, 12\})$	12582720
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^{12}, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^{13}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 4, 6^{14}, 12\})$	3145536
12	$\mathcal{O}(1; \{2^{25}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{21}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{17}, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{13}, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^5, 3^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3^{18}, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{22}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^2, 12^2\})$	50330880

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{19}, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^9, 4^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{16}, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^6, 4^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^9, 4^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{3^{12}, 4^6, 12^2\})$	100675584
12	$\mathcal{O}(1; \{2^{13}, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^3, 4^8, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^6, 4^8, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2, 3^9, 4^8, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^{10}, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{10}, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{10}, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^7, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{12}, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^4, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{3^3, 4^{14}, 12^2\})$	47185920
12	$\mathcal{O}(1; \{2, 4^{16}, 12^2\})$	37748736
12	$\mathcal{O}(1; \{2^{22}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{18}, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{13}, 6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{16}, 6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{19}, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^2, 6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^2, 6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^7, 4^4, 6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^4, 6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{3^{13}, 4^4, 6, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^4, 4^6, 6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^7, 4^6, 6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2, 3^{10}, 4^6, 6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 3, 4^8, 6, 12^2\})$	442368

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^4, 4^8, 6, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^7, 4^8, 6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3, 4^{10}, 6, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{10}, 6, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3, 4^{12}, 6, 12^2\})$	7077888
12	$\mathcal{O}(1; \{3^4, 4^{12}, 6, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2, 3, 4^{14}, 6, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{19}, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{11}, 6^2, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{14}, 6^2, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^8, 4^2, 6^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^2, 6^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{14}, 4^2, 6^2, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^5, 4^4, 6^2, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^8, 4^4, 6^2, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{11}, 4^4, 6^2, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^5, 4^6, 6^2, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^8, 4^6, 6^2, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^7, 3^2, 4^8, 6^2, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^5, 4^8, 6^2, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{10}, 6^2, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^5, 4^{10}, 6^2, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2, 3^2, 4^{12}, 6^2, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^{20}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^9, 6^3, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{12}, 6^3, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{15}, 6^3, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{17}, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 6^3, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 6^3, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 6^3, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 6^3, 12^2\})$	3142656

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 6^3, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 6^3, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 6^3, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^8, 4^8, 6^3, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 6^3, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^6, 4^8, 6^3, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^5, 4^{10}, 6^3, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 6^3, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^2, 4^{12}, 6^3, 12^2\})$	11796480
12	$\mathcal{O}(1; \{2^{17}, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^7, 6^4, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{10}, 6^4, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{13}, 6^4, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6^4, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6^4, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6^4, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6^4, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^7, 4^6, 6^4, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6^4, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6^4, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6^4, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^8, 6^5, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6^5, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^5, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^5, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^5, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^5, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^8, 4^4, 6^5, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^5, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^5, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^5, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{15}, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^6, 12^2\})$	196416

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^6, 6^6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^9, 6^6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^9, 4^2, 6^6, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^9, 4^4, 6^6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^6, 4^6, 6^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^3, 4^8, 6^6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{4^{10}, 6^6, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^{12}, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^4, 6^7, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^7, 6^7, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^{10}, 6^7, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^7, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^7, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^7, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^7, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^7, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^7, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3, 4^8, 6^7, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^9, 3^2, 6^8, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^5, 6^8, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^8, 6^8, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^8, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^8, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^8, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^2, 4^6, 6^8, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^3, 6^9, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^6, 6^9, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^7, 4^2, 6^9, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^9, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^4, 4^4, 6^9, 12^2\})$	3142656
12	$\mathcal{O}(1; \{3^3, 4^4, 6^9, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2, 4^6, 6^9, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3, 6^{10}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^4, 6^{10}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^{10}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^4, 4^2, 6^{10}, 12^2\})$	25166592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^{10}, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^2, 6^{11}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^5, 6^{11}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^{11}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^5, 6^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2, 3^3, 6^{12}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^2, 4^2, 6^{12}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3, 6^{13}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{6^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^8, 4^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3^{14}, 4^3, 12^3\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^5, 4^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^8, 4^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2, 3^{11}, 4^5, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^5, 4^7, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^8, 4^7, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^7, 3^2, 4^9, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^5, 4^9, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{11}, 12^3\})$	11796480
12	$\mathcal{O}(1; \{3^5, 4^{11}, 12^3\})$	101449728
12	$\mathcal{O}(1; \{2, 3^2, 4^{13}, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{20}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^9, 4, 6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4, 6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{3^{15}, 4, 6, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{17}, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^6, 4^3, 6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^9, 4^3, 6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{12}, 4^3, 6, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 4^5, 6, 12^3\})$	110592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^6, 4^5, 6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^9, 4^5, 6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{11}, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^3, 4^7, 6, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^6, 4^7, 6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^8, 4^9, 6, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^4, 3^3, 4^9, 6, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^6, 4^9, 6, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2^5, 4^{11}, 6, 12^3\})$	7077888
12	$\mathcal{O}(1; \{2, 3^3, 4^{11}, 6, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^2, 4^{13}, 6, 12^3\})$	28311552
12	$\mathcal{O}(1; \{2^{17}, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^7, 4, 6^2, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4, 6^2, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{13}, 4, 6^2, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^7, 4^3, 6^2, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^3, 6^2, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3, 4^5, 6^2, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^4, 4^5, 6^2, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^7, 4^5, 6^2, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^8, 3, 4^7, 6^2, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^4, 4^7, 6^2, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^7, 4^7, 6^2, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3, 4^9, 6^2, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2, 3^4, 4^9, 6^2, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3, 4^{11}, 6^2, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 6^3, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 6^3, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 6^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 6^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 6^3, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 6^3, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^8, 4^5, 6^3, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 6^3, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 6^3, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 6^3, 12^3\})$	25362432

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6^4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6^4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6^4, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6^4, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^9, 4^3, 6^4, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^9, 4^5, 6^4, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6^4, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6^4, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^6, 4^7, 6^4, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6^4, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^3, 4^9, 6^4, 12^3\})$	12386304
12	$\mathcal{O}(1; \{4^{11}, 6^4, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^5, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^5, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^{10}, 4, 6^5, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^5, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^5, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^5, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^5, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3, 4^9, 6^5, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^2, 4^7, 6^6, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^{10}, 4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^7, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^7, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^7, 4^3, 6^7, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^7, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^4, 4^5, 6^7, 12^3\})$	6303744
12	$\mathcal{O}(1; \{3^3, 4^5, 6^7, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2, 4^7, 6^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^8, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^8, 12^3\})$	12582144

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^8, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^4, 4^3, 6^8, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^8, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^9, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^5, 4, 6^9, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^9, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^5, 4, 6^{10}, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^{10}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^2, 4^3, 6^{10}, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^{11}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{4, 6^{13}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{20}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{16}, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{12}, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 3^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^{13}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{3^{16}, 12^4\})$	402653952
12	$\mathcal{O}(1; \{2^{17}, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^7, 4^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{13}, 4^2, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{14}, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^7, 4^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^{11}, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^7, 3^4, 4^6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^7, 4^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^8, 3, 4^8, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3^4, 4^8, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3^7, 4^8, 12^4\})$	201129984
12	$\mathcal{O}(1; \{2^5, 3, 4^{10}, 12^4\})$	11796480
12	$\mathcal{O}(1; \{2, 3^4, 4^{10}, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^2, 3, 4^{12}, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{17}, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^8, 6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^{11}, 6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{14}, 6, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 6, 12^4\})$	12579840

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^8, 4^6, 6, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 6, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 6, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 6, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{18}, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^9, 6^2, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{12}, 6^2, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6^2, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6^2, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^9, 4^4, 6^2, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^9, 4^6, 6^2, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6^2, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6^2, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^6, 4^8, 6^2, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6^2, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6^2, 12^4\})$	25952256
12	$\mathcal{O}(1; \{4^{12}, 6^2, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{15}, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^7, 6^3, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6^3, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^3, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^3, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^3, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^3, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^3, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^3, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^3, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^3, 12^4\})$	50282496

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^3, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3, 4^{10}, 6^3, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^5, 6^4, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^8, 6^4, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{11}, 6^4, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^4, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^4, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^4, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^4, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^2, 4^8, 6^4, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^{13}, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^3, 6^5, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^6, 6^5, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^9, 6^5, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^5, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^5, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^7, 4^4, 6^5, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^5, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^4, 4^6, 6^5, 12^4\})$	12533760
12	$\mathcal{O}(1; \{3^3, 4^6, 6^5, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2, 4^8, 6^5, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{10}, 3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^4, 6^6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^7, 6^6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{3^4, 4^4, 6^6, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^7, 3^2, 6^7, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^5, 6^7, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^7, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^5, 4^2, 6^7, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^7, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^8, 6^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^3, 6^8, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^6, 6^8, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^5, 4^2, 6^8, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^8, 12^4\})$	50328576

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 4^4, 6^8, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3, 6^9, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^4, 6^9, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^9, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^2, 6^{10}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^3, 6^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{4^2, 6^{11}, 12^4\})$	50328576
12	$\mathcal{O}(1; \{3, 6^{12}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{18}, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^9, 4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{15}, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^6, 4^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^9, 4^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^{12}, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^8, 3^3, 4^5, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^6, 4^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3^9, 4^5, 12^5\})$	402702336
12	$\mathcal{O}(1; \{2^9, 4^7, 12^5\})$	2949120
12	$\mathcal{O}(1; \{2^5, 3^3, 4^7, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2, 3^6, 4^7, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^6, 4^9, 12^5\})$	11796480
12	$\mathcal{O}(1; \{2^2, 3^3, 4^9, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^3, 4^{11}, 12^5\})$	47185920
12	$\mathcal{O}(1; \{4^{13}, 12^5\})$	188743680
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 6, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^{10}, 4^3, 6, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 6, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 6, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 6, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 6, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 6, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 6, 12^5\})$	49545216
12	$\mathcal{O}(1; \{3, 4^{11}, 6, 12^5\})$	198180864

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6^2, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6^2, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^{11}, 4, 6^2, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6^2, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6^2, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6^2, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6^2, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6^2, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6^2, 12^5\})$	50135040
12	$\mathcal{O}(1; \{3^2, 4^9, 6^2, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^{13}, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^3, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^3, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^3, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^7, 4^5, 6^3, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^3, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^4, 4^7, 6^3, 12^5\})$	25362432
12	$\mathcal{O}(1; \{3^3, 4^7, 6^3, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2, 4^9, 6^3, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^4, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^4, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^4, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^4, 4^5, 6^4, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^4, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^5, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^5, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^5, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^5, 4^3, 6^5, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^8, 4, 6^6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^6, 4, 6^6, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^5, 4^3, 6^6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^2, 4^5, 6^6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^7, 12^5\})$	12579840

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^7, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^7, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^8, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^3, 4, 6^9, 12^5\})$	25168896
12	$\mathcal{O}(1; \{4^3, 6^9, 12^5\})$	100675584
12	$\mathcal{O}(1; \{3, 4, 6^{10}, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{15}, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{11}, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^{11}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^{11}, 4^2, 12^6\})$	805294080
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 12^6\})$	101449728
12	$\mathcal{O}(1; \{3^2, 4^{10}, 12^6\})$	405798912
12	$\mathcal{O}(1; \{2^{16}, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^6, 6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^9, 6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{3^{12}, 6, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^7, 4^6, 6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^4, 4^8, 6, 12^6\})$	49545216
12	$\mathcal{O}(1; \{3^3, 4^8, 6, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2, 4^{10}, 6, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{13}, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^4, 6^2, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^7, 6^2, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{10}, 6^2, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^2, 12^6\})$	3133440

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^2, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^2, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^2, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3^4, 4^6, 6^2, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^2, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^5, 6^3, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^8, 6^3, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^3, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^3, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^3, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^5, 4^4, 6^3, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^3, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^{11}, 6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^3, 6^4, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^6, 6^4, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^8, 4^2, 6^4, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^4, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^6, 4^2, 6^4, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^5, 4^4, 6^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^2, 4^6, 6^4, 12^6\})$	100859904
12	$\mathcal{O}(1; \{2^8, 3, 6^5, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^4, 6^5, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^7, 6^5, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^5, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^5, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^5, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3^2, 6^6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^5, 6^6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^6, 6^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^3, 6^7, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^3, 4^2, 6^7, 12^6\})$	50319360
12	$\mathcal{O}(1; \{4^4, 6^7, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3, 6^8, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3, 4^2, 6^8, 12^6\})$	201314304
12	$\mathcal{O}(1; \{3^2, 6^9, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2, 6^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 12^7\})$	12570624

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 12^7\})$	101449728
12	$\mathcal{O}(1; \{3^4, 4^7, 12^7\})$	804519936
12	$\mathcal{O}(1; \{2, 3, 4^9, 12^7\})$	405798912
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3^5, 4^5, 6, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^{11}, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^2, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^2, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^8, 4^3, 6^2, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^2, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^6, 4^3, 6^2, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^5, 4^5, 6^2, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^2, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^2, 4^7, 6^2, 12^7\})$	200540160
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^3, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^3, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^7, 4, 6^3, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^3, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^4, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^6, 4, 6^5, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^5, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^3, 4^3, 6^5, 12^7\})$	100712448
12	$\mathcal{O}(1; \{4^5, 6^5, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3, 4^3, 6^6, 12^7\})$	402702336
12	$\mathcal{O}(1; \{3^2, 4, 6^7, 12^7\})$	402665472

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 4, 6^8, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^{14}, 12^8\})$	1585152
12	$\mathcal{O}(1; \{2^{10}, 3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^9, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^{11}, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^8, 4^4, 12^8\})$	25362432
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3^6, 4^4, 12^8\})$	1610809344
12	$\mathcal{O}(1; \{2^5, 4^6, 12^8\})$	101449728
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^2, 4^8, 12^8\})$	405798912
12	$\mathcal{O}(1; \{2^{11}, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^4, 6, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^7, 6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3^7, 4^2, 6, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6, 12^8\})$	100859904
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^8, 3^2, 6^2, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^5, 6^2, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^8, 6^2, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^2, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^9, 6^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^3, 6^3, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^6, 6^3, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^6, 4^2, 6^3, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^3, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^3, 4^4, 6^3, 12^8\})$	201129984
12	$\mathcal{O}(1; \{4^6, 6^3, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^6, 3, 6^4, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^4, 6^4, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^4, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3, 4^4, 6^4, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^3, 3^2, 6^5, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^2, 4^2, 6^5, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^4, 6^6, 12^8\})$	100675584

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^3, 6^6, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2, 4^2, 6^6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2, 3, 6^7, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3^8, 4, 12^9\})$	3221176320
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 12^9\})$	201129984
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^9, 4, 6, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2, 3^6, 4, 6, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 4^3, 6, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^3, 4^5, 6, 12^9\})$	403439616
12	$\mathcal{O}(1; \{4^7, 6, 12^9\})$	1613758464
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^2, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^2, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^2, 12^9\})$	402849792
12	$\mathcal{O}(1; \{3, 4^5, 6^2, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^3, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3^2, 4^3, 6^3, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 4, 6^4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{3^3, 4, 6^4, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2, 4^3, 6^4, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2, 3, 4, 6^5, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^9, 3, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2, 3^7, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{3, 4^6, 12^{10}\})$	3218079744
12	$\mathcal{O}(1; \{2^6, 3^2, 6, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^5, 6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{3^2, 4^4, 6, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2^7, 6^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2, 4^4, 6^2, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^4, 3, 6^3, 12^{10}\})$	402702336

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 6^3, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2, 3^2, 6^4, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 6^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{2^7, 4, 12^{11}\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 4^3, 12^{11}\})$	804519936
12	$\mathcal{O}(1; \{3^3, 4^3, 12^{11}\})$	6443237376
12	$\mathcal{O}(1; \{2, 4^5, 12^{11}\})$	3218079744
12	$\mathcal{O}(1; \{2^4, 3, 4, 6, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{3^4, 4, 6, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2, 3, 4^3, 6, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 4, 6^3, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 3^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{3^5, 12^{12}\})$	12884705280
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{2^5, 6, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{2, 3^3, 6, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 4^2, 6, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{2^2, 3, 6^2, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{6^4, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 3, 4, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{4, 6^2, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{2^3, 12^{14}\})$	6443237376
12	$\mathcal{O}(1; \{4^2, 12^{14}\})$	25772949504
12	$\mathcal{O}(1; \{3, 6, 12^{14}\})$	25770590208
12	$\mathcal{O}(0; \{2^{27}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{17}, 4^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{20}, 4^2\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4^4\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4^4\})$	349520
12	$\mathcal{O}(0; \{3^{20}, 4^4\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^6\})$	320

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^6\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^6\})$	174784
12	$\mathcal{O}(0; \{2, 3^{17}, 4^6\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^8\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^8\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^8, 4^{10}\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^{10}\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^5, 4^{12}\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^8, 4^{12}\})$	176128
12	$\mathcal{O}(0; \{3^{11}, 4^{12}\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{14}\})$	81920
12	$\mathcal{O}(0; \{2, 3^8, 4^{14}\})$	704512
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{16}\})$	327680
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{3^2, 4^{20}\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{15}, 4^2, 6\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{18}, 4^2, 6\})$	349524
12	$\mathcal{O}(0; \{3^{21}, 4^2, 6\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^4, 6\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^4, 6\})$	174768
12	$\mathcal{O}(0; \{2, 3^{18}, 4^4, 6\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^6, 6\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^6, 6\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^8, 6\})$	768

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^9, 4^8, 6\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^8, 6\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^6, 4^{10}, 6\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^9, 4^{10}, 6\})$	175104
12	$\mathcal{O}(0; \{3^{12}, 4^{10}, 6\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{12}, 6\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{12}, 6\})$	86016
12	$\mathcal{O}(0; \{2, 3^9, 4^{12}, 6\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{14}, 6\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{14}, 6\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{16}, 6\})$	196608
12	$\mathcal{O}(0; \{3^3, 4^{18}, 6\})$	786432
12	$\mathcal{O}(0; \{2^{25}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4^2, 6^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4^2, 6^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{19}, 4^2, 6^2\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^4, 6^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^4, 6^2\})$	699056
12	$\mathcal{O}(0; \{2^{19}, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^6, 6^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^6, 6^2\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^7, 4^8, 6^2\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^8, 6^2\})$	174848
12	$\mathcal{O}(0; \{3^{13}, 4^8, 6^2\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^4, 4^{10}, 6^2\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^7, 4^{10}, 6^2\})$	87040
12	$\mathcal{O}(0; \{2, 3^{10}, 4^{10}, 6^2\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{12}, 6^2\})$	45056

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{12}, 6^2\})$	348160
12	$\mathcal{O}(0; \{2^7, 3, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{14}, 6^2\})$	180224
12	$\mathcal{O}(0; \{2^4, 3, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{3^4, 4^{16}, 6^2\})$	720896
12	$\mathcal{O}(0; \{2, 3, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^2, 6^3\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^2, 6^3\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^4, 6^3\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^4, 6^3\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^8, 4^6, 6^3\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^6, 6^3\})$	174784
12	$\mathcal{O}(0; \{3^{14}, 4^6, 6^3\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^5, 4^8, 6^3\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^8, 4^8, 6^3\})$	87296
12	$\mathcal{O}(0; \{2, 3^{11}, 4^8, 6^3\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{10}, 6^3\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{10}, 6^3\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{12}, 6^3\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{12}, 6^3\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{14}, 6^3\})$	81920
12	$\mathcal{O}(0; \{3^5, 4^{14}, 6^3\})$	704512
12	$\mathcal{O}(0; \{2, 3^2, 4^{16}, 6^3\})$	327680
12	$\mathcal{O}(0; \{2^{23}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^2, 6^4\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^2, 6^4\})$	349524
12	$\mathcal{O}(0; \{2^{20}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^4, 6^4\})$	2736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^9, 4^4, 6^4\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^4, 6^4\})$	174768
12	$\mathcal{O}(0; \{3^{15}, 4^4, 6^4\})$	1398096
12	$\mathcal{O}(0; \{2^{17}, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^6, 4^6, 6^4\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^9, 4^6, 6^4\})$	87360
12	$\mathcal{O}(0; \{2, 3^{12}, 4^6, 6^4\})$	699072
12	$\mathcal{O}(0; \{2^{14}, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^8, 6^4\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^6, 4^8, 6^4\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^9, 4^8, 6^4\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{10}, 6^4\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{10}, 6^4\})$	175104
12	$\mathcal{O}(0; \{2^8, 4^{12}, 6^4\})$	12288
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{12}, 6^4\})$	86016
12	$\mathcal{O}(0; \{3^6, 4^{12}, 6^4\})$	700416
12	$\mathcal{O}(0; \{2^5, 4^{14}, 6^4\})$	49152
12	$\mathcal{O}(0; \{2, 3^3, 4^{14}, 6^4\})$	344064
12	$\mathcal{O}(0; \{2^2, 4^{16}, 6^4\})$	196608
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 6^5\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 6^5\})$	174764
12	$\mathcal{O}(0; \{3^{16}, 4^2, 6^5\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 6^5\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 6^5\})$	87376
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 6^5\})$	699056
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 6^5\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 6^5\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 6^5\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 6^5\})$	174848
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 6^5\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 6^5\})$	87040
12	$\mathcal{O}(0; \{3^7, 4^{10}, 6^5\})$	699392
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 6^5\})$	45056

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 6^5\})$	348160
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 6^5\})$	180224
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6^6\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6^6\})$	87380
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6^6\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6^6\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6^6\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6^6\})$	174784
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6^6\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6^6\})$	87296
12	$\mathcal{O}(0; \{3^8, 4^8, 6^6\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6^6\})$	44032
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6^6\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6^6\})$	176128
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^7\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^7\})$	349524
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^7\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^7\})$	174768
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^7\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^7\})$	87360
12	$\mathcal{O}(0; \{3^9, 4^6, 6^7\})$	699072
12	$\mathcal{O}(0; \{2^9, 4^8, 6^7\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^7\})$	43776
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^7\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^7\})$	175104
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^7\})$	86016
12	$\mathcal{O}(0; \{4^{14}, 6^7\})$	344064
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^8\})$	21844

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^8\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^8\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^8\})$	87376
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^8\})$	699056
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^8\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^8\})$	43712
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^8\})$	349504
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^8\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^8\})$	87040
12	$\mathcal{O}(0; \{3, 4^{12}, 6^8\})$	348160
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^9\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^9\})$	87380
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^9\})$	699052
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^9\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^9\})$	43696
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^9\})$	349520
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^9\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^9\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^9\})$	87296
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^9\})$	349184
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^{10}\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^{10}\})$	43692
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^{10}\})$	349524
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^{10}\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^{10}\})$	174768
12	$\mathcal{O}(0; \{2^7, 4^6, 6^{10}\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^{10}\})$	87360
12	$\mathcal{O}(0; \{2^4, 4^8, 6^{10}\})$	43776
12	$\mathcal{O}(0; \{3^3, 4^8, 6^{10}\})$	349440
12	$\mathcal{O}(0; \{2, 4^{10}, 6^{10}\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^{11}\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^{11}\})$	174764
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^{11}\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^{11}\})$	87376
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^{11}\})$	43712
12	$\mathcal{O}(0; \{3^4, 4^6, 6^{11}\})$	349504
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^{11}\})$	174848

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^{12}\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^{12}\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^{12}\})$	43696
12	$\mathcal{O}(0; \{3^5, 4^4, 6^{12}\})$	349520
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^{12}\})$	174784
12	$\mathcal{O}(0; \{2^8, 4^2, 6^{13}\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^{13}\})$	43692
12	$\mathcal{O}(0; \{3^6, 4^2, 6^{13}\})$	349524
12	$\mathcal{O}(0; \{2^5, 4^4, 6^{13}\})$	21840
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^{13}\})$	174768
12	$\mathcal{O}(0; \{2^2, 4^6, 6^{13}\})$	87360
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^{14}\})$	21844
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^{14}\})$	174764
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^{14}\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{15}\})$	87380
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{16}\})$	43692
12	$\mathcal{O}(0; \{4^4, 6^{16}\})$	174768
12	$\mathcal{O}(0; \{3, 4^2, 6^{17}\})$	174764
12	$\mathcal{O}(0; \{2^{28}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{16}, 4, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{19}, 4, 12\})$	699052
12	$\mathcal{O}(0; \{3^{22}, 4, 12\})$	5592404
12	$\mathcal{O}(0; \{2^{25}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4^3, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3^{19}, 4^3, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{22}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^5, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^7, 12\})$	87296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^7, 12\})$	699136
12	$\mathcal{O}(0; \{2^{16}, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^7, 4^9, 12\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^9, 12\})$	349184
12	$\mathcal{O}(0; \{3^{13}, 4^9, 12\})$	2796544
12	$\mathcal{O}(0; \{2^{13}, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^4, 4^{11}, 12\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^7, 4^{11}, 12\})$	176128
12	$\mathcal{O}(0; \{2, 3^{10}, 4^{11}, 12\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{13}, 12\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{13}, 12\})$	704512
12	$\mathcal{O}(0; \{2^7, 3, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{15}, 12\})$	327680
12	$\mathcal{O}(0; \{2^4, 3, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{3^4, 4^{17}, 12\})$	1310720
12	$\mathcal{O}(0; \{2, 3, 4^{19}, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{14}, 4, 6, 12\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{17}, 4, 6, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^{20}, 4, 6, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^3, 6, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^3, 6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^5, 6, 12\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^5, 6, 12\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^8, 4^7, 6, 12\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^7, 6, 12\})$	349440
12	$\mathcal{O}(0; \{3^{14}, 4^7, 6, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^5, 4^9, 6, 12\})$	21504

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^8, 4^9, 6, 12\})$	175104
12	$\mathcal{O}(0; \{2, 3^{11}, 4^9, 6, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{11}, 6, 12\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{11}, 6, 12\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{13}, 6, 12\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{13}, 6, 12\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{15}, 6, 12\})$	196608
12	$\mathcal{O}(0; \{3^5, 4^{15}, 6, 12\})$	1376256
12	$\mathcal{O}(0; \{2, 3^2, 4^{17}, 6, 12\})$	786432
12	$\mathcal{O}(0; \{2^{26}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4, 6^2, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4, 6^2, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^3, 6^2, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^3, 6^2, 12\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^9, 4^5, 6^2, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^5, 6^2, 12\})$	349504
12	$\mathcal{O}(0; \{3^{15}, 4^5, 6^2, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^6, 4^7, 6^2, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^9, 4^7, 6^2, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^{12}, 4^7, 6^2, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^6, 4^9, 6^2, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^9, 4^9, 6^2, 12\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{11}, 6^2, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{11}, 6^2, 12\})$	348160
12	$\mathcal{O}(0; \{2^8, 4^{13}, 6^2, 12\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{13}, 6^2, 12\})$	180224

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^6, 4^{13}, 6^2, 12\})$	1392640
12	$\mathcal{O}(0; \{2^5, 4^{15}, 6^2, 12\})$	65536
12	$\mathcal{O}(0; \{2, 3^3, 4^{15}, 6^2, 12\})$	720896
12	$\mathcal{O}(0; \{2^2, 4^{17}, 6^2, 12\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4, 6^3, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4, 6^3, 12\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^3, 6^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^3, 6^3, 12\})$	349520
12	$\mathcal{O}(0; \{3^{16}, 4^3, 6^3, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^7, 4^5, 6^3, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^5, 6^3, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{13}, 4^5, 6^3, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^7, 4^7, 6^3, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^7, 6^3, 12\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^4, 4^9, 6^3, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^7, 4^9, 6^3, 12\})$	349184
12	$\mathcal{O}(0; \{2^8, 3, 4^{11}, 6^3, 12\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{11}, 6^3, 12\})$	176128
12	$\mathcal{O}(0; \{3^7, 4^{11}, 6^3, 12\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3, 4^{13}, 6^3, 12\})$	81920
12	$\mathcal{O}(0; \{2, 3^4, 4^{13}, 6^3, 12\})$	704512
12	$\mathcal{O}(0; \{2^2, 3, 4^{15}, 6^3, 12\})$	327680
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4, 6^4, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4, 6^4, 12\})$	349524
12	$\mathcal{O}(0; \{3^{17}, 4, 6^4, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^8, 4^3, 6^4, 12\})$	21840

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^3, 6^4, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{14}, 4^3, 6^4, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^8, 4^5, 6^4, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^5, 6^4, 12\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^5, 4^7, 6^4, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^8, 4^7, 6^4, 12\})$	349440
12	$\mathcal{O}(0; \{2^8, 3^2, 4^9, 6^4, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^5, 4^9, 6^4, 12\})$	175104
12	$\mathcal{O}(0; \{3^8, 4^9, 6^4, 12\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{11}, 6^4, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^5, 4^{11}, 6^4, 12\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{13}, 6^4, 12\})$	344064
12	$\mathcal{O}(0; \{2^{21}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 6^5, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 6^5, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 6^5, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 6^5, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 6^5, 12\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 6^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 6^5, 12\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 6^5, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 6^5, 12\})$	174848
12	$\mathcal{O}(0; \{3^9, 4^7, 6^5, 12\})$	1398016
12	$\mathcal{O}(0; \{2^9, 4^9, 6^5, 12\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 6^5, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 6^5, 12\})$	699392
12	$\mathcal{O}(0; \{2^6, 4^{11}, 6^5, 12\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 6^5, 12\})$	348160
12	$\mathcal{O}(0; \{2^3, 4^{13}, 6^5, 12\})$	180224
12	$\mathcal{O}(0; \{4^{15}, 6^5, 12\})$	720896
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6^6, 12\})$	1364

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6^6, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6^6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6^6, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6^6, 12\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6^6, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6^6, 12\})$	174784
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6^6, 12\})$	1398080
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6^6, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6^6, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6^6, 12\})$	699136
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6^6, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6^6, 12\})$	349184
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6^6, 12\})$	176128
12	$\mathcal{O}(0; \{3, 4^{13}, 6^6, 12\})$	704512
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^7, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^7, 12\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^7, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^7, 12\})$	174768
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^7, 12\})$	1398096
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^7, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^7, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^7, 12\})$	699072
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^7, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^7, 12\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^7, 12\})$	175104
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^7, 12\})$	700416
12	$\mathcal{O}(0; \{2^{16}, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^8, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^8, 12\})$	174764
12	$\mathcal{O}(0; \{3^{12}, 4, 6^8, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^8, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^8, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^8, 12\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^8, 12\})$	5440

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^8, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^8, 12\})$	349504
12	$\mathcal{O}(0; \{2^7, 4^7, 6^8, 12\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^8, 12\})$	174848
12	$\mathcal{O}(0; \{2^4, 4^9, 6^8, 12\})$	87040
12	$\mathcal{O}(0; \{3^3, 4^9, 6^8, 12\})$	699392
12	$\mathcal{O}(0; \{2, 4^{11}, 6^8, 12\})$	348160
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^9, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^9, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^9, 12\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^9, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^9, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^9, 12\})$	349520
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^9, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^9, 12\})$	174784
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^9, 12\})$	87296
12	$\mathcal{O}(0; \{3^4, 4^7, 6^9, 12\})$	699136
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^9, 12\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^{10}, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^{10}, 12\})$	349524
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^{10}, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^{10}, 12\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^{10}, 12\})$	87360
12	$\mathcal{O}(0; \{3^5, 4^5, 6^{10}, 12\})$	699072
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^{10}, 12\})$	349440
12	$\mathcal{O}(0; \{2^{11}, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^{11}, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^{11}, 12\})$	174764
12	$\mathcal{O}(0; \{2^8, 4^3, 6^{11}, 12\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^{11}, 12\})$	87376
12	$\mathcal{O}(0; \{3^6, 4^3, 6^{11}, 12\})$	699056
12	$\mathcal{O}(0; \{2^5, 4^5, 6^{11}, 12\})$	43712
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^{11}, 12\})$	349504
12	$\mathcal{O}(0; \{2^2, 4^7, 6^{11}, 12\})$	174848
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^{12}, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^{12}, 12\})$	87380
12	$\mathcal{O}(0; \{3^7, 4, 6^{12}, 12\})$	699052
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^{12}, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^{12}, 12\})$	349520
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^{12}, 12\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^{13}, 12\})$	43692

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^{13}, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^{13}, 12\})$	174768
12	$\mathcal{O}(0; \{2^6, 4, 6^{14}, 12\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^{14}, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 4^3, 6^{14}, 12\})$	87376
12	$\mathcal{O}(0; \{4^5, 6^{14}, 12\})$	349504
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{15}, 12\})$	87380
12	$\mathcal{O}(0; \{3, 4^3, 6^{15}, 12\})$	349520
12	$\mathcal{O}(0; \{3^2, 4, 6^{16}, 12\})$	349524
12	$\mathcal{O}(0; \{2, 4, 6^{17}, 12\})$	174764
12	$\mathcal{O}(0; \{2^{29}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{25}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{21}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{17}, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{13}, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^5, 3^{18}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 3^{21}, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{26}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{23}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{20}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^9, 4^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{3^{15}, 4^6, 12^2\})$	5592320
12	$\mathcal{O}(0; \{2^{17}, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^6, 4^8, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^9, 4^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{2, 3^{12}, 4^8, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{14}, 4^{10}, 12^2\})$	4096

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{10}, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{10}, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{11}, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{12}, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{12}, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^8, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{14}, 12^2\})$	327680
12	$\mathcal{O}(0; \{3^6, 4^{14}, 12^2\})$	2818048
12	$\mathcal{O}(0; \{2^5, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{2, 3^3, 4^{16}, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^2, 4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{26}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{22}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{16}, 6, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{19}, 6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{23}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^2, 6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^2, 6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^4, 6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^4, 6, 12^2\})$	699072
12	$\mathcal{O}(0; \{3^{16}, 4^4, 6, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^7, 4^6, 6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^6, 6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2, 3^{13}, 4^6, 6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^8, 6, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^7, 4^8, 6, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^8, 6, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{10}, 6, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{10}, 6, 12^2\})$	700416

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3, 4^{12}, 6, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{12}, 6, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^7, 4^{12}, 6, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3, 4^{14}, 6, 12^2\})$	196608
12	$\mathcal{O}(0; \{2, 3^4, 4^{14}, 6, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3, 4^{16}, 6, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{23}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{14}, 6^2, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{17}, 6^2, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^2, 6^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^2, 6^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{17}, 4^2, 6^2, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^8, 4^4, 6^2, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^4, 6^2, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{14}, 4^4, 6^2, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^8, 4^6, 6^2, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^6, 6^2, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^5, 4^8, 6^2, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^8, 4^8, 6^2, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{10}, 6^2, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{10}, 6^2, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^8, 4^{10}, 6^2, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{12}, 6^2, 12^2\})$	180224
12	$\mathcal{O}(0; \{2, 3^5, 4^{12}, 6^2, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{14}, 6^2, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{24}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{12}, 6^3, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{15}, 6^3, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{18}, 6^3, 12^2\})$	5592404

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{21}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 6^3, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 6^3, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 6^3, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 6^3, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 6^3, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 6^3, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 6^3, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 6^3, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 6^3, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^9, 4^8, 6^3, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^9, 4^{10}, 6^3, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 6^3, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 6^3, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^6, 4^{12}, 6^3, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 6^3, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^3, 4^{14}, 6^3, 12^2\})$	327680
12	$\mathcal{O}(0; \{4^{16}, 6^3, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{21}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{10}, 6^4, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{13}, 6^4, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{16}, 6^4, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6^4, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6^4, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6^4, 12^2\})$	43776

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6^4, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6^4, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6^4, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6^4, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6^4, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6^4, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6^4, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6^4, 12^2\})$	344064
12	$\mathcal{O}(0; \{3, 4^{14}, 6^4, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^{18}, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^8, 6^5, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{11}, 6^5, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{14}, 6^5, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^5, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^5, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^5, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^5, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^5, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^5, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^5, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^5, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^5, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^5, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^5, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^5, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^{19}, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^9, 6^6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6^6, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^6, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^6, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^6, 12^2\})$	1398080

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^7, 4^8, 6^6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^6, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^6, 12^2\})$	176128
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^6, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2, 4^{12}, 6^6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{16}, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^7, 6^7, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^7, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{13}, 6^7, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^7, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^7, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^7, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^7, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^7, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^7, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^7, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^7, 12^2\})$	175104
12	$\mathcal{O}(0; \{3^4, 4^8, 6^7, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^7, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^5, 6^8, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^8, 6^8, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{11}, 6^8, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^8, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^8, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^8, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^8, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^8, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^5, 4^6, 6^8, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^8, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{14}, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^9, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^6, 6^9, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^9, 6^9, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^9, 12^2\})$	43696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^9, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^8, 4^4, 6^9, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^9, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^6, 4^4, 6^9, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^5, 4^6, 6^9, 12^2\})$	87296
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^9, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^2, 4^8, 6^9, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^4, 6^{10}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^7, 6^{10}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^{10}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^{10}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^7, 4^2, 6^{10}, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^{10}, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^{10}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^{10}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^8, 3^2, 6^{11}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^5, 6^{11}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^8, 6^{11}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^{11}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^{11}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^{11}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^9, 6^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^3, 6^{12}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^6, 6^{12}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^6, 4^2, 6^{12}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^{12}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^3, 4^4, 6^{12}, 12^2\})$	174784
12	$\mathcal{O}(0; \{4^6, 6^{12}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^6, 3, 6^{13}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^4, 6^{13}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{13}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3, 4^4, 6^{13}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^2, 6^{14}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{14}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^4, 6^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{3^3, 6^{15}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 4^2, 6^{15}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3, 6^{16}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4, 12^3\})$	43696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3^{17}, 4^3, 12^3\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^8, 4^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{2, 3^{14}, 4^5, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^8, 4^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^7, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^5, 4^9, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^8, 4^9, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{11}, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{11}, 12^3\})$	704512
12	$\mathcal{O}(0; \{3^8, 4^{11}, 12^3\})$	5586944
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{13}, 12^3\})$	327680
12	$\mathcal{O}(0; \{2, 3^5, 4^{13}, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{15}, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{24}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4, 6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4, 6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{3^{18}, 4, 6, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{21}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^9, 4^3, 6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^3, 6, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^{15}, 4^3, 6, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^9, 4^5, 6, 12^3\})$	349440

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^5, 6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{15}, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^6, 4^7, 6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^9, 4^7, 6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^8, 3^3, 4^9, 6, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^6, 4^9, 6, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^9, 4^9, 6, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^9, 4^{11}, 6, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{11}, 6, 12^3\})$	344064
12	$\mathcal{O}(0; \{2, 3^6, 4^{11}, 6, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^6, 4^{13}, 6, 12^3\})$	196608
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{13}, 6, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^3, 4^{15}, 6, 12^3\})$	786432
12	$\mathcal{O}(0; \{4^{17}, 6, 12^3\})$	3145728
12	$\mathcal{O}(0; \{2^{21}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4, 6^2, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4, 6^2, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{16}, 4, 6^2, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^3, 6^2, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^3, 6^2, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^7, 4^5, 6^2, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^5, 6^2, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^4, 4^7, 6^2, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^7, 4^7, 6^2, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^{10}, 4^7, 6^2, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^9, 3, 4^9, 6^2, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^4, 4^9, 6^2, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^7, 4^9, 6^2, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3, 4^{11}, 6^2, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{11}, 6^2, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3, 4^{13}, 6^2, 12^3\})$	720896
12	$\mathcal{O}(0; \{3, 4^{15}, 6^2, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 6^3, 12^3\})$	688

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 6^3, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 6^3, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 6^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 6^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 6^3, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 6^3, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^{11}, 4^5, 6^3, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 6^3, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 6^3, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 6^3, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 6^3, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 6^3, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 6^3, 12^3\})$	704512
12	$\mathcal{O}(0; \{3^2, 4^{13}, 6^3, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^{19}, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6^4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6^4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6^4, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6^4, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6^4, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6^4, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6^4, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6^4, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6^4, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6^4, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6^4, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^7, 4^9, 6^4, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6^4, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6^4, 12^3\})$	344064
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6^4, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2, 4^{13}, 6^4, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^5, 12^3\})$	10928

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^5, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^5, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{13}, 4, 6^5, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^5, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^5, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^5, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^5, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^5, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^5, 12^3\})$	348160
12	$\mathcal{O}(0; \{3^4, 4^9, 6^5, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^5, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^6, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^6, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^5, 4^7, 6^6, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^{14}, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^7, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^7, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^7, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^7, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^8, 4^5, 6^7, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^7, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^6, 4^5, 6^7, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^5, 4^7, 6^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^2, 4^9, 6^7, 12^3\})$	700416
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^8, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^8, 12^3\})$	699056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^8, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^8, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^7, 4^3, 6^8, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^8, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^8, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^8, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^9, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^9, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^8, 4, 6^9, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^9, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^9, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^9, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^9, 4, 6^{10}, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^{10}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^{10}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^6, 4^3, 6^{10}, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^{10}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^3, 4^5, 6^{10}, 12^3\})$	349440
12	$\mathcal{O}(0; \{4^7, 6^{10}, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^{11}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^{11}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^{11}, 12^3\})$	349504
12	$\mathcal{O}(0; \{3, 4^5, 6^{11}, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^{12}, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^2, 4^3, 6^{12}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^4, 4, 6^{13}, 12^3\})$	174768
12	$\mathcal{O}(0; \{3^3, 4, 6^{13}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 4^3, 6^{13}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3, 4, 6^{14}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{24}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{20}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{16}, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^8, 3^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^{16}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{3^{19}, 12^4\})$	22369616
12	$\mathcal{O}(0; \{2^{21}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{16}, 4^2, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{18}, 3, 4^4, 12^4\})$	1280

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{15}, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^7, 4^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{12}, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^8, 3^4, 4^8, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^7, 4^8, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3^{10}, 4^8, 12^4\})$	11186176
12	$\mathcal{O}(0; \{2^9, 3, 4^{10}, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{10}, 12^4\})$	704512
12	$\mathcal{O}(0; \{2, 3^7, 4^{10}, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^6, 3, 4^{12}, 12^4\})$	327680
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{12}, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^3, 3, 4^{14}, 12^4\})$	1310720
12	$\mathcal{O}(0; \{3, 4^{16}, 12^4\})$	5242880
12	$\mathcal{O}(0; \{2^{21}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{17}, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^{11}, 6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{14}, 6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{17}, 6, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 6, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 6, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{3^{11}, 4^6, 6, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 6, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 6, 12^4\})$	700416
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 6, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 6, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 6, 12^4\})$	2801664

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 6, 12^4\})$	1376256
12	$\mathcal{O}(0; \{3^2, 4^{14}, 6, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2^{22}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{12}, 6^2, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{15}, 6^2, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6^2, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6^2, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6^2, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6^2, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6^2, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6^2, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6^2, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6^2, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6^2, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6^2, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6^2, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6^2, 12^4\})$	720896
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6^2, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2, 4^{14}, 6^2, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{19}, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{10}, 6^3, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{13}, 6^3, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^3, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^3, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^3, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^3, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^3, 12^4\})$	699136

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^3, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^3, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^3, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^3, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^3, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^3, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^3, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^3, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^8, 6^4, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6^4, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{14}, 6^4, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^4, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^4, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^4, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^4, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^4, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^4, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^5, 4^8, 6^4, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^4, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{17}, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^6, 6^5, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^9, 6^5, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{12}, 6^5, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^5, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^5, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^5, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^5, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^8, 4^6, 6^5, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^5, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^6, 4^6, 6^5, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^5, 4^8, 6^5, 12^4\})$	348160
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^5, 12^4\})$	2797568

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^5, 12^4\})$	1392640
12	$\mathcal{O}(0; \{2^{14}, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^7, 6^6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^6, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^7, 4^4, 6^6, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^5, 6^7, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^8, 6^7, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^7, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^7, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^8, 4^2, 6^7, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^7, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^7, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^7, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^3, 6^8, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^6, 6^8, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^9, 6^8, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^9, 4^2, 6^8, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^8, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^8, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^6, 4^4, 6^8, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^8, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^3, 4^6, 6^8, 12^4\})$	699392
12	$\mathcal{O}(0; \{4^8, 6^8, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^9, 3, 6^9, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^4, 6^9, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^7, 6^9, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^9, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^9, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^9, 12^4\})$	699136
12	$\mathcal{O}(0; \{3, 4^6, 6^9, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3^2, 6^{10}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^5, 6^{10}, 12^4\})$	1398096

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^{10}, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^2, 4^4, 6^{10}, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^7, 6^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^3, 6^{11}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{11}, 12^4\})$	349504
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{11}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2, 4^4, 6^{11}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3, 6^{12}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^4, 6^{12}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{12}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3^2, 6^{13}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 6^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^{22}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{19}, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^9, 4^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{16}, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^6, 4^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^9, 4^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{3^{12}, 4^5, 12^5\})$	22369280
12	$\mathcal{O}(0; \{2^{13}, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^9, 3^3, 4^7, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^6, 4^7, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2, 3^9, 4^7, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^{10}, 4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^6, 3^3, 4^9, 12^5\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^6, 4^9, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^7, 4^{11}, 12^5\})$	327680
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{11}, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^4, 4^{13}, 12^5\})$	1310720
12	$\mathcal{O}(0; \{3^3, 4^{13}, 12^5\})$	11272192
12	$\mathcal{O}(0; \{2, 4^{15}, 12^5\})$	5242880
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 6, 12^5\})$	87360

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^{13}, 4^3, 6, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 6, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 6, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 6, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 6, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 6, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 6, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 6, 12^5\})$	1376256
12	$\mathcal{O}(0; \{3^4, 4^{11}, 6, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 6, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6^2, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6^2, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{14}, 4, 6^2, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6^2, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6^2, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6^2, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6^2, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6^2, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6^2, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6^2, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6^2, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6^2, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^5, 4^9, 6^2, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6^2, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{17}, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^3, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^3, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^3, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^3, 12^5\})$	87296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^3, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^3, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^8, 4^7, 6^3, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^3, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^6, 4^7, 6^3, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^5, 4^9, 6^3, 12^5\})$	704512
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^3, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^3, 12^5\})$	2818048
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^4, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^4, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^4, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^4, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^4, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^7, 4^5, 6^4, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^4, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^4, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^4, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^5, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^5, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^5, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^5, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^8, 4^3, 6^5, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^5, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^{12}, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^9, 4, 6^6, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^9, 4^3, 6^6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^6, 4^5, 6^6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^3, 4^7, 6^6, 12^5\})$	1396736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{4^9, 6^6, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^7, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^7, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^7, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^7, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^7, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^7, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3, 4^7, 6^7, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^8, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^8, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^8, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^2, 4^5, 6^8, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^7, 4, 6^9, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^9, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^4, 4^3, 6^9, 12^5\})$	699136
12	$\mathcal{O}(0; \{3^3, 4^3, 6^9, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2, 4^5, 6^9, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^{10}, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^4, 4, 6^{10}, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^{10}, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{11}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^2, 4, 6^{12}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{15}, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^{14}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3^{14}, 4^2, 12^6\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 12^6\})$	2818048
12	$\mathcal{O}(0; \{3^5, 4^{10}, 12^6\})$	22347776

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{20}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{16}, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^9, 6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{12}, 6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{3^{15}, 6, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^8, 4^8, 6, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^6, 4^8, 6, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6, 12^6\})$	1376256
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6, 12^6\})$	5505024
12	$\mathcal{O}(0; \{2^{17}, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^7, 6^2, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6^2, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{13}, 6^2, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^2, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^2, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^2, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^2, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^7, 4^6, 6^2, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^2, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^2, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^2, 12^6\})$	5570560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^8, 6^3, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^3, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^3, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^3, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^3, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^3, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^8, 4^4, 6^3, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^3, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^3, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^3, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{15}, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^6, 6^4, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^9, 6^4, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^4, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^4, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^9, 4^2, 6^4, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^9, 4^4, 6^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^6, 4^6, 6^4, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^4, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^3, 4^8, 6^4, 12^6\})$	2801664
12	$\mathcal{O}(0; \{4^{10}, 6^4, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{12}, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^4, 6^5, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^7, 6^5, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^{10}, 6^5, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^5, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^5, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^5, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^5, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^5, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^5, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3, 4^8, 6^5, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^9, 3^2, 6^6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^5, 6^6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^8, 6^6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^6, 12^6\})$	699136

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^2, 4^6, 6^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^{10}, 6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^3, 6^7, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^6, 6^7, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^7, 4^2, 6^7, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^7, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^4, 4^4, 6^7, 12^6\})$	1397760
12	$\mathcal{O}(0; \{3^3, 4^4, 6^7, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2, 4^6, 6^7, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3, 6^8, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^4, 6^8, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^8, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^4, 4^2, 6^8, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^8, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^2, 6^9, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^5, 6^9, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^9, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^5, 6^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{2, 3^3, 6^{10}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{10}, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3, 6^{11}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{6^{13}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3^7, 4^7, 12^7\})$	44744704
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 12^7\})$	2818048
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6, 12^7\})$	43776

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^8, 4^5, 6, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{15}, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^2, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^2, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^2, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^2, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^9, 4^3, 6^2, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^9, 4^5, 6^2, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^2, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^2, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^6, 4^7, 6^2, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^2, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^3, 4^9, 6^2, 12^7\})$	5570560
12	$\mathcal{O}(0; \{4^{11}, 6^2, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^3, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^3, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^{10}, 4, 6^3, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^3, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^3, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^3, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3, 4^9, 6^3, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^4, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^4, 12^7\})$	11185152

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^4, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^2, 4^7, 6^4, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^{10}, 4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^5, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^5, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^7, 4^3, 6^5, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^5, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^4, 4^5, 6^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{3^3, 4^5, 6^5, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2, 4^7, 6^5, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^4, 4^3, 6^6, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^7, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^5, 4, 6^7, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^7, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^5, 4, 6^8, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^8, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^2, 4^3, 6^8, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^9, 12^7\})$	5592320
12	$\mathcal{O}(0; \{4, 6^{11}, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{18}, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^{14}, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^{10}, 3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^{12}, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{15}, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^{12}, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3^9, 4^4, 12^8\})$	89477120
12	$\mathcal{O}(0; \{2^9, 4^6, 12^8\})$	704512
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^6, 4^8, 12^8\})$	2818048
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^3, 4^{10}, 12^8\})$	11272192
12	$\mathcal{O}(0; \{4^{12}, 12^8\})$	45088768

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^7, 6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6, 12^8\})$	11206656
12	$\mathcal{O}(0; \{3, 4^{10}, 6, 12^8\})$	44826624
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^5, 6^2, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^8, 6^2, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^{11}, 6^2, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^2, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^2, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^2, 12^8\})$	11190272
12	$\mathcal{O}(0; \{3^2, 4^8, 6^2, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^{13}, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^3, 6^3, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^6, 6^3, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^9, 6^3, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^3, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^3, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^7, 4^4, 6^3, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^3, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^4, 4^6, 6^3, 12^8\})$	5586944
12	$\mathcal{O}(0; \{3^3, 4^6, 6^3, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2, 4^8, 6^3, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{10}, 3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^4, 6^4, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^7, 6^4, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^4, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^4, 12^8\})$	11185152

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^4, 4^4, 6^4, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^4, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^7, 3^2, 6^5, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^5, 6^5, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^5, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^5, 4^2, 6^5, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^5, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^8, 6^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^3, 6^6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^6, 6^6, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^5, 4^2, 6^6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^6, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^2, 4^4, 6^6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3, 6^7, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^4, 6^7, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^7, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^2, 6^8, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^3, 6^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{4^2, 6^9, 12^8\})$	22369280
12	$\mathcal{O}(0; \{3, 6^{10}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{3^{11}, 4, 12^9\})$	178957312
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 12^9\})$	22347776
12	$\mathcal{O}(0; \{3^2, 4^9, 12^9\})$	89391104
12	$\mathcal{O}(0; \{2^{13}, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2, 3^9, 4, 6, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^7, 4^5, 6, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^4, 4^7, 6, 12^9\})$	11206656
12	$\mathcal{O}(0; \{3^3, 4^7, 6, 12^9\})$	89456640

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^9, 6, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^2, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^2, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^2, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^2, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^2, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3^4, 4^5, 6^2, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^2, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^3, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^3, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^5, 4^3, 6^3, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^3, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^8, 4, 6^4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^6, 4, 6^4, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^5, 4^3, 6^4, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^4, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^2, 4^5, 6^4, 12^9\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^5, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^5, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^5, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^3, 4, 6^7, 12^9\})$	11185152
12	$\mathcal{O}(0; \{4^3, 6^7, 12^9\})$	44740608
12	$\mathcal{O}(0; \{3, 4, 6^8, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{13}, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^9, 3^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2, 3^{10}, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{3^4, 4^6, 12^{10}\})$	178978816
12	$\mathcal{O}(0; \{2, 3, 4^8, 12^{10}\})$	89391104
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^5, 6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^8, 6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6, 12^{10}\})$	5591040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3^5, 4^4, 6, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^{11}, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^8, 4^2, 6^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^6, 4^2, 6^2, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 4^4, 6^2, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^2, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 4^6, 6^2, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{2^8, 3, 6^3, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^7, 6^3, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^3, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^3, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^3, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^5, 6^4, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^4, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^6, 6^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^3, 4^2, 6^5, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{4^4, 6^5, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3, 6^6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3, 4^2, 6^6, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{3^2, 6^7, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2, 6^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^{11}, 4, 12^{11}\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^8, 4^3, 12^{11}\})$	5586944
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3^6, 4^3, 12^{11}\})$	357908480
12	$\mathcal{O}(0; \{2^5, 4^5, 12^{11}\})$	22347776
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^2, 4^7, 12^{11}\})$	89391104
12	$\mathcal{O}(0; \{2^8, 3, 4, 6, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^7, 4, 6, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 12^{11}\})$	22364160

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^6, 4, 6^3, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{4^5, 6^3, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3, 4^3, 6^4, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{3^2, 4, 6^5, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2, 4, 6^6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^8, 3^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{3^8, 12^{12}\})$	715829248
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^9, 6, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^3, 6, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^6, 6, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^6, 4^2, 6, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 4^4, 6, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{4^6, 6, 12^{12}\})$	357826560
12	$\mathcal{O}(0; \{2^6, 3, 6^2, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{3, 4^4, 6^2, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^4, 6^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{3^3, 6^4, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2, 4^2, 6^4, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2, 3, 6^5, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 3, 4, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{3, 4^5, 12^{13}\})$	715915264
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{3^2, 4^3, 6, 12^{13}\})$	715849728
12	$\mathcal{O}(0; \{2^4, 4, 6^2, 12^{13}\})$	89473024

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4, 6^2, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2, 4^3, 6^2, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^7, 12^{14}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2^4, 4^2, 12^{14}\})$	178978816
12	$\mathcal{O}(0; \{3^3, 4^2, 12^{14}\})$	1431633920
12	$\mathcal{O}(0; \{2, 4^4, 12^{14}\})$	715915264
12	$\mathcal{O}(0; \{2^4, 3, 6, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{3^4, 6, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 6^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{2, 3^2, 4, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2^2, 4, 6, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{2^2, 3, 12^{16}\})$	1431633920
12	$\mathcal{O}(0; \{6^2, 12^{16}\})$	2863333376
12	$\mathcal{O}(0; \{4, 12^{17}\})$	5726535680
13	$\mathcal{O}(3; \{13^{10}\})$	22989483919277148
14	$\mathcal{O}(6; \{2, 7, 14\})$	340163474251776
14	$\mathcal{O}(5; \{7^5\})$	320759119496970
14	$\mathcal{O}(5; \{2^5, 7, 14\})$	1735527929856
14	$\mathcal{O}(5; \{2^3, 14^3\})$	8677639649280
14	$\mathcal{O}(4; \{2^4, 7^5\})$	1638125852160
14	$\mathcal{O}(4; \{2^9, 7, 14\})$	8854734336
14	$\mathcal{O}(4; \{2^2, 7^4, 14^2\})$	9837609847296
14	$\mathcal{O}(4; \{2^7, 14^3\})$	44273671680
14	$\mathcal{O}(4; \{7^3, 14^4\})$	59016804349440
14	$\mathcal{O}(3; \{2^8, 7^5\})$	8357784960
14	$\mathcal{O}(3; \{2^{13}, 7, 14\})$	45177216
14	$\mathcal{O}(3; \{2, 7^8, 14\})$	10840047093120
14	$\mathcal{O}(3; \{2^6, 7^4, 14^2\})$	50191886976
14	$\mathcal{O}(3; \{2^{11}, 14^3\})$	225886080
14	$\mathcal{O}(3; \{2^4, 7^3, 14^4\})$	301106144640
14	$\mathcal{O}(3; \{2^2, 7^2, 14^6\})$	1806682045056
14	$\mathcal{O}(3; \{7, 14^8\})$	10840047093120
14	$\mathcal{O}(2; \{2^{12}, 7^5\})$	42641760
14	$\mathcal{O}(2; \{7^{12}\})$	11199545149590
14	$\mathcal{O}(2; \{2^{17}, 7, 14\})$	230496
14	$\mathcal{O}(2; \{2^5, 7^8, 14\})$	55306362720
14	$\mathcal{O}(2; \{2^{10}, 7^4, 14^2\})$	256081056
14	$\mathcal{O}(2; \{2^{15}, 14^3\})$	1152480
14	$\mathcal{O}(2; \{2^3, 7^7, 14^3\})$	331838406816

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(2; \{2^8, 7^3, 14^4\})$	1536255840
14	$\mathcal{O}(2; \{2, 7^6, 14^5\})$	1991030210400
14	$\mathcal{O}(2; \{2^6, 7^2, 14^6\})$	9217765536
14	$\mathcal{O}(2; \{2^4, 7, 14^8\})$	55306362720
14	$\mathcal{O}(2; \{2^2, 14^{10}\})$	331838406816
14	$\mathcal{O}(1; \{2^{16}, 7^5\})$	217560
14	$\mathcal{O}(1; \{2^4, 7^{12}\})$	60949905576
14	$\mathcal{O}(1; \{2^{21}, 7, 14\})$	1176
14	$\mathcal{O}(1; \{2^9, 7^8, 14\})$	282175320
14	$\mathcal{O}(1; \{2^{14}, 7^4, 14^2\})$	1306536
14	$\mathcal{O}(1; \{2^2, 7^{11}, 14^2\})$	365699432280
14	$\mathcal{O}(1; \{2^{19}, 14^3\})$	5880
14	$\mathcal{O}(1; \{2^7, 7^7, 14^3\})$	1693053096
14	$\mathcal{O}(1; \{2^{12}, 7^3, 14^4\})$	7838040
14	$\mathcal{O}(1; \{7^{10}, 14^4\})$	2194196594856
14	$\mathcal{O}(1; \{2^5, 7^6, 14^5\})$	10158317400
14	$\mathcal{O}(1; \{2^{10}, 7^2, 14^6\})$	47029416
14	$\mathcal{O}(1; \{2^3, 7^5, 14^7\})$	60949905576
14	$\mathcal{O}(1; \{2^8, 7, 14^8\})$	282175320
14	$\mathcal{O}(1; \{2, 7^4, 14^9\})$	365699432280
14	$\mathcal{O}(1; \{2^6, 14^{10}\})$	1693053096
14	$\mathcal{O}(0; \{2^{20}, 7^5\})$	1110
14	$\mathcal{O}(0; \{2^8, 7^{12}\})$	310968906
14	$\mathcal{O}(0; \{2^{25}, 7, 14\})$	6
14	$\mathcal{O}(0; \{2^{13}, 7^8, 14\})$	1439670
14	$\mathcal{O}(0; \{2, 7^{15}, 14\})$	403015701066
14	$\mathcal{O}(0; \{2^{18}, 7^4, 14^2\})$	6666
14	$\mathcal{O}(0; \{2^6, 7^{11}, 14^2\})$	1865813430
14	$\mathcal{O}(0; \{2^{23}, 14^3\})$	30
14	$\mathcal{O}(0; \{2^{11}, 7^7, 14^3\})$	8638026
14	$\mathcal{O}(0; \{2^{16}, 7^3, 14^4\})$	39990
14	$\mathcal{O}(0; \{2^4, 7^{10}, 14^4\})$	11194880586
14	$\mathcal{O}(0; \{2^9, 7^6, 14^5\})$	51828150
14	$\mathcal{O}(0; \{2^{14}, 7^2, 14^6\})$	239946
14	$\mathcal{O}(0; \{2^2, 7^9, 14^6\})$	67169283510
14	$\mathcal{O}(0; \{2^7, 7^5, 14^7\})$	310968906
14	$\mathcal{O}(0; \{2^{12}, 7, 14^8\})$	1439670
14	$\mathcal{O}(0; \{7^8, 14^8\})$	403015701066
14	$\mathcal{O}(0; \{2^5, 7^4, 14^9\})$	1865813430
14	$\mathcal{O}(0; \{2^{10}, 14^{10}\})$	8638026
14	$\mathcal{O}(0; \{2^3, 7^3, 14^{11}\})$	11194880586
14	$\mathcal{O}(0; \{2, 7^2, 14^{13}\})$	67169283510
15	$\mathcal{O}(5; \{5^2, 15^2\})$	59971640625000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(5; \{3, 15^3\})$	41518828125000
15	$\mathcal{O}(4; \{3^2, 5^4, 15\})$	1045659375000
15	$\mathcal{O}(4; \{3^3, 5^2, 15^2\})$	1332703125000
15	$\mathcal{O}(4; \{3^4, 15^3\})$	1291696875000
15	$\mathcal{O}(4; \{5, 15^5\})$	21015703125000
15	$\mathcal{O}(3; \{3^4, 5^6\})$	56041875000
15	$\mathcal{O}(3; \{3^5, 5^4, 15\})$	51121125000
15	$\mathcal{O}(3; \{3^6, 5^2, 15^2\})$	50938875000
15	$\mathcal{O}(3; \{5^7, 15^2\})$	1194375375000
15	$\mathcal{O}(3; \{3^7, 15^3\})$	46747125000
15	$\mathcal{O}(3; \{3, 5^5, 15^3\})$	895849875000
15	$\mathcal{O}(3; \{3^2, 5^3, 15^4\})$	820945125000
15	$\mathcal{O}(3; \{3^3, 5, 15^5\})$	803266875000
15	$\mathcal{O}(3; \{15^8\})$	12840514875000
15	$\mathcal{O}(2; \{3^7, 5^6\})$	1743525000
15	$\mathcal{O}(2; \{3^8, 5^4, 15\})$	1755675000
15	$\mathcal{O}(2; \{3^2, 5^9, 15\})$	21233745000
15	$\mathcal{O}(2; \{3^9, 5^2, 15^2\})$	1795365000
15	$\mathcal{O}(2; \{3^3, 5^7, 15^2\})$	26541675000
15	$\mathcal{O}(2; \{3^{10}, 15^3\})$	1658475000
15	$\mathcal{O}(2; \{3^4, 5^5, 15^3\})$	27870885000
15	$\mathcal{O}(2; \{3^5, 5^3, 15^4\})$	28194075000
15	$\mathcal{O}(2; \{3^6, 5, 15^5\})$	28311525000
15	$\mathcal{O}(2; \{5^6, 15^5\})$	424672875000
15	$\mathcal{O}(2; \{3, 5^4, 15^6\})$	445908645000
15	$\mathcal{O}(2; \{3^2, 5^2, 15^7\})$	451208475000
15	$\mathcal{O}(2; \{3^3, 15^8\})$	452570085000
15	$\mathcal{O}(1; \{3^{10}, 5^6\})$	63099000
15	$\mathcal{O}(1; \{3^4, 5^{11}\})$	1132461000
15	$\mathcal{O}(1; \{3^{11}, 5^4, 15\})$	62699400
15	$\mathcal{O}(1; \{3^5, 5^9, 15\})$	1038094200
15	$\mathcal{O}(1; \{3^{12}, 5^2, 15^2\})$	63905400
15	$\mathcal{O}(1; \{3^6, 5^7, 15^2\})$	1014481800
15	$\mathcal{O}(1; \{5^{12}, 15^2\})$	24159191400
15	$\mathcal{O}(1; \{3^{13}, 15^3\})$	58984200
15	$\mathcal{O}(1; \{3^7, 5^5, 15^3\})$	1008660600
15	$\mathcal{O}(1; \{3, 5^{10}, 15^3\})$	18119392200
15	$\mathcal{O}(1; \{3^8, 5^3, 15^4\})$	1006878600
15	$\mathcal{O}(1; \{3^2, 5^8, 15^4\})$	16609447800
15	$\mathcal{O}(1; \{3^9, 5, 15^5\})$	1007739000
15	$\mathcal{O}(1; \{3^3, 5^6, 15^5\})$	16231941000
15	$\mathcal{O}(1; \{3^4, 5^4, 15^6\})$	16137646200
15	$\mathcal{O}(1; \{3^5, 5^2, 15^7\})$	16113745800

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^6, 15^8\})$	16109076600
15	$\mathcal{O}(1; \{5^5, 15^8\})$	259711288200
15	$\mathcal{O}(1; \{3, 5^3, 15^9\})$	258201415800
15	$\mathcal{O}(1; \{3^2, 5, 15^{10}\})$	257823621000
15	$\mathcal{O}(0; \{3^{13}, 5^6\})$	2238600
15	$\mathcal{O}(0; \{3^7, 5^{11}\})$	35232120
15	$\mathcal{O}(0; \{3^{14}, 5^4, 15\})$	2228088
15	$\mathcal{O}(0; \{3^8, 5^9, 15\})$	35651720
15	$\mathcal{O}(0; \{3^2, 5^{14}, 15\})$	429496728
15	$\mathcal{O}(0; \{3^{15}, 5^2, 15^2\})$	2271880
15	$\mathcal{O}(0; \{3^9, 5^7, 15^2\})$	35755896
15	$\mathcal{O}(0; \{3^3, 5^{12}, 15^2\})$	536870920
15	$\mathcal{O}(0; \{3^{16}, 15^3\})$	2097144
15	$\mathcal{O}(0; \{3^{10}, 5^5, 15^3\})$	35784840
15	$\mathcal{O}(0; \{3^4, 5^{10}, 15^3\})$	563714424
15	$\mathcal{O}(0; \{3^{11}, 5^3, 15^4\})$	35780472
15	$\mathcal{O}(0; \{3^5, 5^8, 15^4\})$	570425480
15	$\mathcal{O}(0; \{3^{12}, 5, 15^5\})$	35825800
15	$\mathcal{O}(0; \{3^6, 5^6, 15^5\})$	572102520
15	$\mathcal{O}(0; \{5^{11}, 15^5\})$	8589934600
15	$\mathcal{O}(0; \{3^7, 5^4, 15^6\})$	572524680
15	$\mathcal{O}(0; \{3, 5^9, 15^6\})$	9019431288
15	$\mathcal{O}(0; \{3^8, 5^2, 15^7\})$	572618616
15	$\mathcal{O}(0; \{3^2, 5^7, 15^7\})$	9126805640
15	$\mathcal{O}(0; \{3^9, 15^8\})$	572688520
15	$\mathcal{O}(0; \{3^3, 5^5, 15^8\})$	9153648504
15	$\mathcal{O}(0; \{3^4, 5^3, 15^9\})$	9160362120
15	$\mathcal{O}(0; \{3^5, 5, 15^{10}\})$	9162028920
15	$\mathcal{O}(0; \{5^4, 15^{11}\})$	146458384248
15	$\mathcal{O}(0; \{3, 5^2, 15^{12}\})$	146565761160
15	$\mathcal{O}(0; \{3^2, 15^{13}\})$	146592593784
16	$\mathcal{O}(5; \{2^2, 8^2\})$	4393751543808
16	$\mathcal{O}(5; \{8, 16^2\})$	35184372088832
16	$\mathcal{O}(4; \{2^6, 8^2\})$	17112760320
16	$\mathcal{O}(4; \{2^3, 4^2, 8^2\})$	68451041280
16	$\mathcal{O}(4; \{4^4, 8^2\})$	273804165120
16	$\mathcal{O}(4; \{2, 4, 8^4\})$	547608330240
16	$\mathcal{O}(4; \{2^4, 8, 16^2\})$	137438953472
16	$\mathcal{O}(4; \{2, 4^2, 8, 16^2\})$	549755813888
16	$\mathcal{O}(4; \{2^2, 16^4\})$	2199023255552
16	$\mathcal{O}(3; \{2^{10}, 8^2\})$	66060288
16	$\mathcal{O}(3; \{2^7, 4^2, 8^2\})$	264241152
16	$\mathcal{O}(3; \{2^4, 4^4, 8^2\})$	1056964608

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{2, 4^6, 8^2\})$	4227858432
16	$\mathcal{O}(3; \{2^5, 4, 8^4\})$	2113929216
16	$\mathcal{O}(3; \{2^2, 4^3, 8^4\})$	8455716864
16	$\mathcal{O}(3; \{2^3, 8^6\})$	16911433728
16	$\mathcal{O}(3; \{4^2, 8^6\})$	67645734912
16	$\mathcal{O}(3; \{2^8, 8, 16^2\})$	536870912
16	$\mathcal{O}(3; \{2^5, 4^2, 8, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2^2, 4^4, 8, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2^3, 4, 8^3, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{4^3, 8^3, 16^2\})$	68719476736
16	$\mathcal{O}(3; \{2, 8^5, 16^2\})$	137438953472
16	$\mathcal{O}(3; \{2^6, 16^4\})$	8589934592
16	$\mathcal{O}(3; \{2^3, 4^2, 16^4\})$	34359738368
16	$\mathcal{O}(3; \{4^4, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{2, 4, 8^2, 16^4\})$	274877906944
16	$\mathcal{O}(2; \{2^{14}, 8^2\})$	245760
16	$\mathcal{O}(2; \{2^{11}, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{2^8, 4^4, 8^2\})$	3932160
16	$\mathcal{O}(2; \{2^5, 4^6, 8^2\})$	15728640
16	$\mathcal{O}(2; \{2^2, 4^8, 8^2\})$	62914560
16	$\mathcal{O}(2; \{2^9, 4, 8^4\})$	7864320
16	$\mathcal{O}(2; \{2^6, 4^3, 8^4\})$	31457280
16	$\mathcal{O}(2; \{2^3, 4^5, 8^4\})$	125829120
16	$\mathcal{O}(2; \{4^7, 8^4\})$	503316480
16	$\mathcal{O}(2; \{2^7, 8^6\})$	62914560
16	$\mathcal{O}(2; \{2^4, 4^2, 8^6\})$	251658240
16	$\mathcal{O}(2; \{2, 4^4, 8^6\})$	1006632960
16	$\mathcal{O}(2; \{2^2, 4, 8^8\})$	2013265920
16	$\mathcal{O}(2; \{8^{10}\})$	16106127360
16	$\mathcal{O}(2; \{2^{12}, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2^9, 4^2, 8, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^6, 4^4, 8, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^3, 4^6, 8, 16^2\})$	134217728
16	$\mathcal{O}(2; \{4^8, 8, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^7, 4, 8^3, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^4, 4^3, 8^3, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2, 4^5, 8^3, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2^5, 8^5, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^2, 4^2, 8^5, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{4, 8^7, 16^2\})$	17179869184
16	$\mathcal{O}(2; \{2^{10}, 16^4\})$	33554432
16	$\mathcal{O}(2; \{2^7, 4^2, 16^4\})$	134217728
16	$\mathcal{O}(2; \{2^4, 4^4, 16^4\})$	536870912

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2, 4^6, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2^5, 4, 8^2, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{2^2, 4^3, 8^2, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2^3, 8^4, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{4^2, 8^4, 16^4\})$	34359738368
16	$\mathcal{O}(2; \{2^3, 4, 8, 16^6\})$	17179869184
16	$\mathcal{O}(2; \{4^3, 8, 16^6\})$	68719476736
16	$\mathcal{O}(2; \{2, 8^3, 16^6\})$	137438953472
16	$\mathcal{O}(2; \{2, 4, 16^8\})$	274877906944
16	$\mathcal{O}(1; \{2^{18}, 8^2\})$	768
16	$\mathcal{O}(1; \{2^{15}, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^{12}, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{2^9, 4^6, 8^2\})$	49152
16	$\mathcal{O}(1; \{2^6, 4^8, 8^2\})$	196608
16	$\mathcal{O}(1; \{2^3, 4^{10}, 8^2\})$	786432
16	$\mathcal{O}(1; \{4^{12}, 8^2\})$	3145728
16	$\mathcal{O}(1; \{2^{13}, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{2^{10}, 4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{2^7, 4^5, 8^4\})$	393216
16	$\mathcal{O}(1; \{2^4, 4^7, 8^4\})$	1572864
16	$\mathcal{O}(1; \{2, 4^9, 8^4\})$	6291456
16	$\mathcal{O}(1; \{2^{11}, 8^6\})$	196608
16	$\mathcal{O}(1; \{2^8, 4^2, 8^6\})$	786432
16	$\mathcal{O}(1; \{2^5, 4^4, 8^6\})$	3145728
16	$\mathcal{O}(1; \{2^2, 4^6, 8^6\})$	12582912
16	$\mathcal{O}(1; \{2^6, 4, 8^8\})$	6291456
16	$\mathcal{O}(1; \{2^3, 4^3, 8^8\})$	25165824
16	$\mathcal{O}(1; \{4^5, 8^8\})$	100663296
16	$\mathcal{O}(1; \{2^4, 8^{10}\})$	50331648
16	$\mathcal{O}(1; \{2, 4^2, 8^{10}\})$	201326592
16	$\mathcal{O}(1; \{2^{16}, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^{13}, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^{10}, 4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^7, 4^6, 8, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^4, 4^8, 8, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2, 4^{10}, 8, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^{11}, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^8, 4^3, 8^3, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^5, 4^5, 8^3, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^2, 4^7, 8^3, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^9, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^6, 4^2, 8^5, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^3, 4^4, 8^5, 16^2\})$	33554432

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{4^6, 8^5, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2^4, 4, 8^7, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2, 4^3, 8^7, 16^2\})$	268435456
16	$\mathcal{O}(1; \{2^2, 8^9, 16^2\})$	536870912
16	$\mathcal{O}(1; \{2^{14}, 16^4\})$	131072
16	$\mathcal{O}(1; \{2^{11}, 4^2, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^8, 4^4, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^5, 4^6, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^2, 4^8, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^9, 4, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^6, 4^3, 8^2, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^3, 4^5, 8^2, 16^4\})$	67108864
16	$\mathcal{O}(1; \{4^7, 8^2, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^7, 8^4, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^4, 4^2, 8^4, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2, 4^4, 8^4, 16^4\})$	536870912
16	$\mathcal{O}(1; \{2^2, 4, 8^6, 16^4\})$	1073741824
16	$\mathcal{O}(1; \{8^8, 16^4\})$	8589934592
16	$\mathcal{O}(1; \{2^7, 4, 8, 16^6\})$	67108864
16	$\mathcal{O}(1; \{2^4, 4^3, 8, 16^6\})$	268435456
16	$\mathcal{O}(1; \{2, 4^5, 8, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2^5, 8^3, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^2, 4^2, 8^3, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{4, 8^5, 16^6\})$	17179869184
16	$\mathcal{O}(1; \{2^5, 4, 16^8\})$	1073741824
16	$\mathcal{O}(1; \{2^2, 4^3, 16^8\})$	4294967296
16	$\mathcal{O}(1; \{2^3, 8^2, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{4^2, 8^2, 16^8\})$	34359738368
16	$\mathcal{O}(1; \{2, 8, 16^{10}\})$	137438953472
16	$\mathcal{O}(0; \{2^{20}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^{17}, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{14}, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{11}, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^8, 4^8, 8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^5, 4^{10}, 8, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^2, 4^{12}, 8, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^{15}, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^{12}, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^9, 4^5, 8^3, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^6, 4^7, 8^3, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^3, 4^9, 8^3, 16^2\})$	262144
16	$\mathcal{O}(0; \{4^{11}, 8^3, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^{13}, 8^5, 16^2\})$	8192

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^{10}, 4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^7, 4^4, 8^5, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^4, 4^6, 8^5, 16^2\})$	524288
16	$\mathcal{O}(0; \{2, 4^8, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^8, 4, 8^7, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^5, 4^3, 8^7, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^2, 4^5, 8^7, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^6, 8^9, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^3, 4^2, 8^9, 16^2\})$	8388608
16	$\mathcal{O}(0; \{4^4, 8^9, 16^2\})$	33554432
16	$\mathcal{O}(0; \{2, 4, 8^{11}, 16^2\})$	67108864
16	$\mathcal{O}(0; \{2^{18}, 16^4\})$	512
16	$\mathcal{O}(0; \{2^{15}, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^{12}, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^9, 4^6, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^6, 4^8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^3, 4^{10}, 16^4\})$	524288
16	$\mathcal{O}(0; \{4^{12}, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^{13}, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^{10}, 4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^7, 4^5, 8^2, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^4, 4^7, 8^2, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2, 4^9, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^{11}, 8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^8, 4^2, 8^4, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^5, 4^4, 8^4, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^6, 8^4, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^6, 4, 8^6, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^3, 4^3, 8^6, 16^4\})$	16777216
16	$\mathcal{O}(0; \{4^5, 8^6, 16^4\})$	67108864
16	$\mathcal{O}(0; \{2^4, 8^8, 16^4\})$	33554432
16	$\mathcal{O}(0; \{2, 4^2, 8^8, 16^4\})$	134217728
16	$\mathcal{O}(0; \{2^{11}, 4, 8, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^8, 4^3, 8, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^5, 4^5, 8, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^2, 4^7, 8, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^9, 8^3, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^6, 4^2, 8^3, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4^4, 8^3, 16^6\})$	33554432
16	$\mathcal{O}(0; \{4^6, 8^3, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2^4, 4, 8^5, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2, 4^3, 8^5, 16^6\})$	268435456
16	$\mathcal{O}(0; \{2^2, 8^7, 16^6\})$	536870912

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^9, 4, 16^8\})$	4194304
16	$\mathcal{O}(0; \{2^6, 4^3, 16^8\})$	16777216
16	$\mathcal{O}(0; \{2^3, 4^5, 16^8\})$	67108864
16	$\mathcal{O}(0; \{4^7, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^7, 8^2, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2, 4^4, 8^2, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2^2, 4, 8^4, 16^8\})$	1073741824
16	$\mathcal{O}(0; \{8^6, 16^8\})$	8589934592
16	$\mathcal{O}(0; \{2^5, 8, 16^{10}\})$	536870912
16	$\mathcal{O}(0; \{2^2, 4^2, 8, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{4, 8^3, 16^{10}\})$	17179869184
16	$\mathcal{O}(0; \{2^3, 16^{12}\})$	8589934592
16	$\mathcal{O}(0; \{4^2, 16^{12}\})$	34359738368
18	$\mathcal{O}(4; \{9^4\})$	1778260044510
18	$\mathcal{O}(4; \{6, 9^2, 18\})$	396718580736
18	$\mathcal{O}(4; \{2^2, 3, 18^2\})$	132239526912
18	$\mathcal{O}(4; \{6^2, 18^2\})$	264479053824
18	$\mathcal{O}(3; \{2^4, 9^4\})$	5509980288
18	$\mathcal{O}(3; \{3^3, 9^4\})$	43391094768
18	$\mathcal{O}(3; \{2, 3, 6, 9^4\})$	22039921152
18	$\mathcal{O}(3; \{2^3, 3^2, 9^2, 18\})$	2448880128
18	$\mathcal{O}(3; \{2^4, 6, 9^2, 18\})$	1224440064
18	$\mathcal{O}(3; \{3^3, 6, 9^2, 18\})$	9795520512
18	$\mathcal{O}(3; \{2, 3, 6^2, 9^2, 18\})$	4897760256
18	$\mathcal{O}(3; \{2^6, 3, 18^2\})$	408146688
18	$\mathcal{O}(3; \{2^2, 3^4, 18^2\})$	3265173504
18	$\mathcal{O}(3; \{2^3, 3^2, 6, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{2^4, 6^2, 18^2\})$	816293376
18	$\mathcal{O}(3; \{3^3, 6^2, 18^2\})$	6530347008
18	$\mathcal{O}(3; \{2, 3, 6^3, 18^2\})$	3265173504
18	$\mathcal{O}(3; \{2^2, 9^3, 18^2\})$	27549901440
18	$\mathcal{O}(3; \{2, 3^2, 9, 18^3\})$	22039921152
18	$\mathcal{O}(3; \{2^2, 6, 9, 18^3\})$	11019960576
18	$\mathcal{O}(3; \{9^2, 18^4\})$	181829349504
18	$\mathcal{O}(3; \{6, 18^5\})$	55099802880
18	$\mathcal{O}(2; \{2^8, 9^4\})$	17006112
18	$\mathcal{O}(2; \{2^4, 3^3, 9^4\})$	136048896
18	$\mathcal{O}(2; \{3^6, 9^4\})$	1020366720
18	$\mathcal{O}(2; \{2^5, 3, 6, 9^4\})$	68024448
18	$\mathcal{O}(2; \{2, 3^4, 6, 9^4\})$	544195584
18	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 9^4\})$	272097792
18	$\mathcal{O}(2; \{2^3, 6^3, 9^4\})$	136048896

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{3, 6^4, 9^4\})$	544195584
18	$\mathcal{O}(2; \{3^2, 9^7\})$	12053081880
18	$\mathcal{O}(2; \{2, 6, 9^7\})$	6428310336
18	$\mathcal{O}(2; \{2^7, 3^2, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2^3, 3^5, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^8, 6, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^4, 3^3, 6, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{3^6, 6, 9^2, 18\})$	241864704
18	$\mathcal{O}(2; \{2^5, 3, 6^2, 9^2, 18\})$	15116544
18	$\mathcal{O}(2; \{2, 3^4, 6^2, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3^2, 6^3, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^3, 6^4, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{3, 6^5, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^3, 3, 9^5, 18\})$	1122403392
18	$\mathcal{O}(2; \{3^2, 6, 9^5, 18\})$	4489613568
18	$\mathcal{O}(2; \{2, 6^2, 9^5, 18\})$	2244806784
18	$\mathcal{O}(2; \{2^{10}, 3, 18^2\})$	1259712
18	$\mathcal{O}(2; \{2^6, 3^4, 18^2\})$	10077696
18	$\mathcal{O}(2; \{2^2, 3^7, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^7, 3^2, 6, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^5, 6, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^8, 6^2, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2^4, 3^3, 6^2, 18^2\})$	20155392
18	$\mathcal{O}(2; \{3^6, 6^2, 18^2\})$	161243136
18	$\mathcal{O}(2; \{2^5, 3, 6^3, 18^2\})$	10077696
18	$\mathcal{O}(2; \{2, 3^4, 6^3, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^2, 3^2, 6^4, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^3, 6^5, 18^2\})$	20155392
18	$\mathcal{O}(2; \{3, 6^6, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^6, 9^3, 18^2\})$	85030560
18	$\mathcal{O}(2; \{2^2, 3^3, 9^3, 18^2\})$	680244480
18	$\mathcal{O}(2; \{2^3, 3, 6, 9^3, 18^2\})$	340122240
18	$\mathcal{O}(2; \{3^2, 6^2, 9^3, 18^2\})$	1360488960
18	$\mathcal{O}(2; \{2, 6^3, 9^3, 18^2\})$	680244480
18	$\mathcal{O}(2; \{2^5, 3^2, 9, 18^3\})$	68024448
18	$\mathcal{O}(2; \{2, 3^5, 9, 18^3\})$	544195584
18	$\mathcal{O}(2; \{2^6, 6, 9, 18^3\})$	34012224
18	$\mathcal{O}(2; \{2^2, 3^3, 6, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2^3, 3, 6^2, 9, 18^3\})$	136048896
18	$\mathcal{O}(2; \{3^2, 6^3, 9, 18^3\})$	544195584
18	$\mathcal{O}(2; \{2, 6^4, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2, 3, 9^4, 18^3\})$	6428310336
18	$\mathcal{O}(2; \{2^4, 9^2, 18^4\})$	561201696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{3^3, 9^2, 18^4\})$	4489613568
18	$\mathcal{O}(2; \{2, 3, 6, 9^2, 18^4\})$	2244806784
18	$\mathcal{O}(2; \{2^3, 3^2, 18^5\})$	340122240
18	$\mathcal{O}(2; \{2^4, 6, 18^5\})$	170061120
18	$\mathcal{O}(2; \{3^3, 6, 18^5\})$	1360488960
18	$\mathcal{O}(2; \{2, 3, 6^2, 18^5\})$	680244480
18	$\mathcal{O}(2; \{2^2, 9, 18^6\})$	3214155168
18	$\mathcal{O}(2; \{18^8\})$	19744096032
18	$\mathcal{O}(1; \{2^{12}, 9^4\})$	52488
18	$\mathcal{O}(1; \{2^8, 3^3, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^6, 9^4\})$	3359232
18	$\mathcal{O}(1; \{3^9, 9^4\})$	20155392
18	$\mathcal{O}(1; \{2^9, 3, 6, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^4, 6, 9^4\})$	1679616
18	$\mathcal{O}(1; \{2, 3^7, 6, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2^6, 3^2, 6^2, 9^4\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^5, 6^2, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^7, 6^3, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^3, 6^3, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 6^4, 9^4\})$	1679616
18	$\mathcal{O}(1; \{3^4, 6^4, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2, 3^2, 6^5, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^2, 6^6, 9^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3^2, 9^7\})$	39680928
18	$\mathcal{O}(1; \{3^5, 9^7\})$	238085568
18	$\mathcal{O}(1; \{2^5, 6, 9^7\})$	19840464
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^7\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^7\})$	79361856
18	$\mathcal{O}(1; \{6^4, 9^7\})$	158723712
18	$\mathcal{O}(1; \{3, 9^{10}\})$	3271550796
18	$\mathcal{O}(1; \{2^{11}, 3^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^7, 3^5, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^3, 3^8, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^{12}, 6, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2^8, 3^3, 6, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^6, 6, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{3^9, 6, 9^2, 18\})$	5971968
18	$\mathcal{O}(1; \{2^9, 3, 6^2, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^4, 6^2, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{2, 3^7, 6^2, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^6, 3^2, 6^3, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^5, 6^3, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^7, 6^4, 9^2, 18\})$	93312

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^3, 6^4, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^4, 3, 6^5, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{3^4, 6^5, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2, 3^2, 6^6, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^2, 6^7, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2^7, 3, 9^5, 18\})$	3464208
18	$\mathcal{O}(1; \{2^3, 3^4, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3^2, 6, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{3^5, 6, 9^5, 18\})$	110854656
18	$\mathcal{O}(1; \{2^5, 6^2, 9^5, 18\})$	6928416
18	$\mathcal{O}(1; \{2, 3^3, 6^2, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3, 6^3, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{6^5, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2^3, 9^8, 18\})$	361379880
18	$\mathcal{O}(1; \{3, 6, 9^8, 18\})$	1445519520
18	$\mathcal{O}(1; \{2^{14}, 3, 18^2\})$	3888
18	$\mathcal{O}(1; \{2^{10}, 3^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^6, 3^7, 18^2\})$	248832
18	$\mathcal{O}(1; \{2^2, 3^{10}, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^{11}, 3^2, 6, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^5, 6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^8, 6, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^{12}, 6^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^8, 3^3, 6^2, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^6, 6^2, 18^2\})$	497664
18	$\mathcal{O}(1; \{3^9, 6^2, 18^2\})$	3981312
18	$\mathcal{O}(1; \{2^9, 3, 6^3, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^4, 6^3, 18^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^7, 6^3, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^6, 3^2, 6^4, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^5, 6^4, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^7, 6^5, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^3, 6^5, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^4, 3, 6^6, 18^2\})$	248832
18	$\mathcal{O}(1; \{3^4, 6^6, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2, 3^2, 6^7, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^2, 6^8, 18^2\})$	497664
18	$\mathcal{O}(1; \{2^{10}, 9^3, 18^2\})$	262440
18	$\mathcal{O}(1; \{2^6, 3^3, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^6, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^7, 3, 6, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^4, 6, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 9^3, 18^2\})$	4199040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{3^5, 6^2, 9^3, 18^2\})$	33592320
18	$\mathcal{O}(1; \{2^5, 6^3, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{2, 3^3, 6^3, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3, 6^4, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{6^6, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 9^6, 18^2\})$	243754272
18	$\mathcal{O}(1; \{2^3, 6, 9^6, 18^2\})$	121877136
18	$\mathcal{O}(1; \{3, 6^2, 9^6, 18^2\})$	487508544
18	$\mathcal{O}(1; \{2^9, 3^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^5, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{2, 3^8, 9, 18^3\})$	13436928
18	$\mathcal{O}(1; \{2^{10}, 6, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{2^6, 3^3, 6, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^6, 6, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^7, 3, 6^2, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^4, 6^2, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3^2, 6^3, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{3^5, 6^3, 9, 18^3\})$	13436928
18	$\mathcal{O}(1; \{2^5, 6^4, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2, 3^3, 6^4, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^2, 3, 6^5, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{6^7, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^5, 3, 9^4, 18^3\})$	19840464
18	$\mathcal{O}(1; \{2, 3^4, 9^4, 18^3\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{2^3, 6^2, 9^4, 18^3\})$	39680928
18	$\mathcal{O}(1; \{3, 6^3, 9^4, 18^3\})$	158723712
18	$\mathcal{O}(1; \{2, 9^7, 18^3\})$	2181033864
18	$\mathcal{O}(1; \{2^8, 9^2, 18^4\})$	1732104
18	$\mathcal{O}(1; \{2^4, 3^3, 9^2, 18^4\})$	13856832
18	$\mathcal{O}(1; \{3^6, 9^2, 18^4\})$	110854656
18	$\mathcal{O}(1; \{2^5, 3, 6, 9^2, 18^4\})$	6928416
18	$\mathcal{O}(1; \{2, 3^4, 6, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^3, 6^3, 9^2, 18^4\})$	13856832
18	$\mathcal{O}(1; \{3, 6^4, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{3^2, 9^5, 18^4\})$	1445519520
18	$\mathcal{O}(1; \{2, 6, 9^5, 18^4\})$	722759760
18	$\mathcal{O}(1; \{2^7, 3^2, 18^5\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^5, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^8, 6, 18^5\})$	524880
18	$\mathcal{O}(1; \{2^4, 3^3, 6, 18^5\})$	4199040
18	$\mathcal{O}(1; \{3^6, 6, 18^5\})$	33592320

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^5, 3, 6^2, 18^5\})$	2099520
18	$\mathcal{O}(1; \{2, 3^4, 6^2, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^3, 6^4, 18^5\})$	4199040
18	$\mathcal{O}(1; \{3, 6^5, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^3, 3, 9^3, 18^5\})$	121877136
18	$\mathcal{O}(1; \{3^2, 6, 9^3, 18^5\})$	487508544
18	$\mathcal{O}(1; \{2, 6^2, 9^3, 18^5\})$	243754272
18	$\mathcal{O}(1; \{2^6, 9, 18^6\})$	9920232
18	$\mathcal{O}(1; \{2^2, 3^3, 9, 18^6\})$	79361856
18	$\mathcal{O}(1; \{2^3, 3, 6, 9, 18^6\})$	39680928
18	$\mathcal{O}(1; \{3^2, 6^2, 9, 18^6\})$	158723712
18	$\mathcal{O}(1; \{2, 6^3, 9, 18^6\})$	79361856
18	$\mathcal{O}(1; \{2, 3, 9^2, 18^7\})$	722759760
18	$\mathcal{O}(1; \{2^4, 18^8\})$	60938568
18	$\mathcal{O}(1; \{3^3, 18^8\})$	487508544
18	$\mathcal{O}(1; \{2, 3, 6, 18^8\})$	243754272
18	$\mathcal{O}(0; \{2^{16}, 9^4\})$	162
18	$\mathcal{O}(0; \{2^{12}, 3^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^9, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^{13}, 3, 6, 9^4\})$	648
18	$\mathcal{O}(0; \{2^9, 3^4, 6, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^7, 6, 9^4\})$	41472
18	$\mathcal{O}(0; \{2, 3^{10}, 6, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^2, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^5, 6^2, 9^4\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^8, 6^2, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 6^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^3, 6^3, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^6, 6^3, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 6^4, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^4, 6^4, 9^4\})$	41472
18	$\mathcal{O}(0; \{3^7, 6^4, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^5, 3^2, 6^5, 9^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^5, 6^5, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^6, 6^6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^3, 6^6, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^3, 3, 6^7, 9^4\})$	41472
18	$\mathcal{O}(0; \{3^2, 6^8, 9^4\})$	165888
18	$\mathcal{O}(0; \{2, 6^9, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3^2, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^5, 9^7\})$	979776

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 6, 9^7\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^7\})$	489888
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^7\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^7\})$	979776
18	$\mathcal{O}(0; \{2^4, 6^4, 9^7\})$	489888
18	$\mathcal{O}(0; \{3^3, 6^4, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^4, 3, 9^{10}\})$	13463172
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^{10}\})$	53852688
18	$\mathcal{O}(0; \{2^2, 6^2, 9^{10}\})$	26926344
18	$\mathcal{O}(0; \{2^{15}, 3^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^{11}, 3^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^7, 3^8, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^3, 3^{11}, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{16}, 6, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^{12}, 3^3, 6, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^8, 3^6, 6, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^9, 6, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{3^{12}, 6, 9^2, 18\})$	147456
18	$\mathcal{O}(0; \{2^{13}, 3, 6^2, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^9, 3^4, 6^2, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^7, 6^2, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2, 3^{10}, 6^2, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^3, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^6, 3^5, 6^3, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^8, 6^3, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 6^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^7, 3^3, 6^4, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^6, 6^4, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^8, 3, 6^5, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^4, 6^5, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{3^7, 6^5, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^5, 3^2, 6^6, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2, 3^5, 6^6, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^6, 6^7, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^3, 6^7, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^3, 3, 6^8, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{3^2, 6^9, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2, 6^{10}, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^{11}, 3, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^4, 9^5, 18\})$	85536

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 3^7, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^8, 3^2, 6, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^5, 6, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{3^8, 6, 9^5, 18\})$	2737152
18	$\mathcal{O}(0; \{2^9, 6^2, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{2, 3^6, 6^2, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3, 6^3, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2^4, 6^5, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{3^3, 6^5, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2, 3, 6^6, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^7, 9^8, 18\})$	1115370
18	$\mathcal{O}(0; \{2^3, 3^3, 9^8, 18\})$	8922960
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^8, 18\})$	4461480
18	$\mathcal{O}(0; \{3^4, 6, 9^8, 18\})$	35691840
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2^2, 6^3, 9^8, 18\})$	8922960
18	$\mathcal{O}(0; \{6, 9^{11}, 18\})$	483965604
18	$\mathcal{O}(0; \{2^{18}, 3, 18^2\})$	12
18	$\mathcal{O}(0; \{2^{14}, 3^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2^{10}, 3^7, 18^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3^{10}, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^2, 3^{13}, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{15}, 3^2, 6, 18^2\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^5, 6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3^8, 6, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^{11}, 6, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{16}, 6^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^{12}, 3^3, 6^2, 18^2\})$	192
18	$\mathcal{O}(0; \{2^8, 3^6, 6^2, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^9, 6^2, 18^2\})$	12288
18	$\mathcal{O}(0; \{3^{12}, 6^2, 18^2\})$	98304
18	$\mathcal{O}(0; \{2^{13}, 3, 6^3, 18^2\})$	96
18	$\mathcal{O}(0; \{2^9, 3^4, 6^3, 18^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^7, 6^3, 18^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^{10}, 6^3, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^4, 18^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^5, 6^4, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^8, 6^4, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{11}, 6^5, 18^2\})$	192
18	$\mathcal{O}(0; \{2^7, 3^3, 6^5, 18^2\})$	1536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 3^6, 6^5, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^8, 3, 6^6, 18^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^4, 6^6, 18^2\})$	6144
18	$\mathcal{O}(0; \{3^7, 6^6, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^5, 3^2, 6^7, 18^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^5, 6^7, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^6, 6^8, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^3, 6^8, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^3, 3, 6^9, 18^2\})$	6144
18	$\mathcal{O}(0; \{3^2, 6^{10}, 18^2\})$	24576
18	$\mathcal{O}(0; \{2, 6^{11}, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^{14}, 9^3, 18^2\})$	810
18	$\mathcal{O}(0; \{2^{10}, 3^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^6, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^9, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 3, 6, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^4, 6, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^7, 6, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{3^8, 6^2, 9^3, 18^2\})$	829440
18	$\mathcal{O}(0; \{2^9, 6^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2, 3^6, 6^3, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^6, 3, 6^4, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2^4, 6^6, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{3^3, 6^6, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2, 3, 6^7, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^6, 3^2, 9^6, 18^2\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^5, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2^7, 6, 9^6, 18^2\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^6, 18^2\})$	1504656
18	$\mathcal{O}(0; \{3^4, 6^2, 9^6, 18^2\})$	12037248
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2^2, 6^4, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 9^9, 18^2\})$	80542836
18	$\mathcal{O}(0; \{6^2, 9^9, 18^2\})$	161085672
18	$\mathcal{O}(0; \{2^{13}, 3^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^9, 3^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^8, 9, 18^3\})$	41472

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^{11}, 9, 18^3\})$	331776
18	$\mathcal{O}(0; \{2^{14}, 6, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^{10}, 3^3, 6, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^6, 6, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^9, 6, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 3, 6^2, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^4, 6^2, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^7, 6^2, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^8, 3^2, 6^3, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^5, 6^3, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{3^8, 6^3, 9, 18^3\})$	331776
18	$\mathcal{O}(0; \{2^9, 6^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^3, 6^4, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2, 3^6, 6^4, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^6, 3, 6^5, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^4, 6^5, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^3, 3^2, 6^6, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2^4, 6^7, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{3^3, 6^7, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2, 3, 6^8, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^9, 3, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^4, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{2, 3^7, 9^4, 18^3\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^7, 6^2, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{3^4, 6^3, 9^4, 18^3\})$	3919104
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^2, 6^5, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{2^5, 9^7, 18^3\})$	6731586
18	$\mathcal{O}(0; \{2, 3^3, 9^7, 18^3\})$	53852688
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^7, 18^3\})$	26926344
18	$\mathcal{O}(0; \{6^3, 9^7, 18^3\})$	53852688
18	$\mathcal{O}(0; \{2^{12}, 9^2, 18^4\})$	5346
18	$\mathcal{O}(0; \{2^8, 3^3, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^6, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{3^9, 9^2, 18^4\})$	2737152
18	$\mathcal{O}(0; \{2^9, 3, 6, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{2, 3^7, 6, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 9^2, 18^4\})$	85536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^7, 6^3, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{3^4, 6^4, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^2, 6^6, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 9^5, 18^4\})$	4461480
18	$\mathcal{O}(0; \{3^5, 9^5, 18^4\})$	35691840
18	$\mathcal{O}(0; \{2^5, 6, 9^5, 18^4\})$	2230740
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^5, 18^4\})$	8922960
18	$\mathcal{O}(0; \{6^4, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{3, 9^8, 18^4\})$	483965604
18	$\mathcal{O}(0; \{2^{11}, 3^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^5, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^8, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^{12}, 6, 18^5\})$	1620
18	$\mathcal{O}(0; \{2^8, 3^3, 6, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^6, 6, 18^5\})$	103680
18	$\mathcal{O}(0; \{3^9, 6, 18^5\})$	829440
18	$\mathcal{O}(0; \{2^9, 3, 6^2, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 18^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^7, 6^2, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^7, 6^4, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^4, 3, 6^5, 18^5\})$	51840
18	$\mathcal{O}(0; \{3^4, 6^5, 18^5\})$	414720
18	$\mathcal{O}(0; \{2, 3^2, 6^6, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^2, 6^7, 18^5\})$	103680
18	$\mathcal{O}(0; \{2^7, 3, 9^3, 18^5\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^4, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{3^5, 6, 9^3, 18^5\})$	12037248
18	$\mathcal{O}(0; \{2^5, 6^2, 9^3, 18^5\})$	752328
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{6^5, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2^3, 9^6, 18^5\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 9^6, 18^5\})$	161085672
18	$\mathcal{O}(0; \{2^{10}, 9, 18^6\})$	30618

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^3, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^6, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^7, 3, 6, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{3^5, 6^2, 9, 18^6\})$	3919104
18	$\mathcal{O}(0; \{2^5, 6^3, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{6^6, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^2, 3^2, 9^4, 18^6\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 9^4, 18^6\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 9^4, 18^6\})$	53852688
18	$\mathcal{O}(0; \{2^5, 3, 9^2, 18^7\})$	2230740
18	$\mathcal{O}(0; \{2, 3^4, 9^2, 18^7\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{2^3, 6^2, 9^2, 18^7\})$	4461480
18	$\mathcal{O}(0; \{3, 6^3, 9^2, 18^7\})$	17845920
18	$\mathcal{O}(0; \{2, 9^5, 18^7\})$	241982802
18	$\mathcal{O}(0; \{2^8, 18^8\})$	188082
18	$\mathcal{O}(0; \{2^4, 3^3, 18^8\})$	1504656
18	$\mathcal{O}(0; \{3^6, 18^8\})$	12037248
18	$\mathcal{O}(0; \{2^5, 3, 6, 18^8\})$	752328
18	$\mathcal{O}(0; \{2, 3^4, 6, 18^8\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^3, 6^3, 18^8\})$	1504656
18	$\mathcal{O}(0; \{3, 6^4, 18^8\})$	6018624
18	$\mathcal{O}(0; \{3^2, 9^3, 18^8\})$	161085672
18	$\mathcal{O}(0; \{2, 6, 9^3, 18^8\})$	80542836
18	$\mathcal{O}(0; \{2^3, 3, 9, 18^9\})$	13463172
18	$\mathcal{O}(0; \{3^2, 6, 9, 18^9\})$	53852688
18	$\mathcal{O}(0; \{2, 6^2, 9, 18^9\})$	26926344
18	$\mathcal{O}(0; \{2, 3, 18^{11}\})$	80542836
20	$\mathcal{O}(4; \{2^2, 5^2\})$	102000000000
20	$\mathcal{O}(4; \{5, 10^2\})$	306000000000
20	$\mathcal{O}(4; \{4, 10, 20\})$	204800000000
20	$\mathcal{O}(3; \{2^6, 5^2\})$	252000000
20	$\mathcal{O}(3; \{2^3, 4^2, 5^2\})$	512000000
20	$\mathcal{O}(3; \{4^4, 5^2\})$	2048000000
20	$\mathcal{O}(3; \{2, 5^4, 10\})$	12852000000
20	$\mathcal{O}(3; \{2^4, 5, 10^2\})$	756000000
20	$\mathcal{O}(3; \{2, 4^2, 5, 10^2\})$	1536000000
20	$\mathcal{O}(3; \{2^2, 10^4\})$	3276000000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(3; \{2, 4, 5^3, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^4, 4, 10, 20\})$	512000000
20	$\mathcal{O}(3; \{2, 4^3, 10, 20\})$	2048000000
20	$\mathcal{O}(3; \{2^2, 5, 10, 20^2\})$	6656000000
20	$\mathcal{O}(3; \{10^3, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{2^2, 4, 20^3\})$	6144000000
20	$\mathcal{O}(3; \{5, 20^4\})$	104448000000
20	$\mathcal{O}(2; \{2^{10}, 5^2\})$	600000
20	$\mathcal{O}(2; \{2^7, 4^2, 5^2\})$	1280000
20	$\mathcal{O}(2; \{2^4, 4^4, 5^2\})$	5120000
20	$\mathcal{O}(2; \{2, 4^6, 5^2\})$	20480000
20	$\mathcal{O}(2; \{2^2, 5^7\})$	491400000
20	$\mathcal{O}(2; \{2^5, 5^4, 10\})$	30600000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^4, 10\})$	65280000
20	$\mathcal{O}(2; \{2^8, 5, 10^2\})$	1800000
20	$\mathcal{O}(2; \{2^5, 4^2, 5, 10^2\})$	3840000
20	$\mathcal{O}(2; \{2^2, 4^4, 5, 10^2\})$	15360000
20	$\mathcal{O}(2; \{5^6, 10^2\})$	1966200000
20	$\mathcal{O}(2; \{2^3, 5^3, 10^3\})$	123000000
20	$\mathcal{O}(2; \{4^2, 5^3, 10^3\})$	262400000
20	$\mathcal{O}(2; \{2^6, 10^4\})$	7800000
20	$\mathcal{O}(2; \{2^3, 4^2, 10^4\})$	16640000
20	$\mathcal{O}(2; \{4^4, 10^4\})$	66560000
20	$\mathcal{O}(2; \{2, 5^2, 10^5\})$	491400000
20	$\mathcal{O}(2; \{2^5, 4, 5^3, 20\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^3, 5^3, 20\})$	66560000
20	$\mathcal{O}(2; \{2^8, 4, 10, 20\})$	1280000
20	$\mathcal{O}(2; \{2^5, 4^3, 10, 20\})$	5120000
20	$\mathcal{O}(2; \{2^2, 4^5, 10, 20\})$	20480000
20	$\mathcal{O}(2; \{4, 5^5, 10, 20\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 4, 5^2, 10^2, 20\})$	65280000
20	$\mathcal{O}(2; \{4^3, 5^2, 10^2, 20\})$	261120000
20	$\mathcal{O}(2; \{2, 4, 5, 10^4, 20\})$	262400000
20	$\mathcal{O}(2; \{2^3, 5^4, 20^2\})$	262400000
20	$\mathcal{O}(2; \{4^2, 5^4, 20^2\})$	1049600000
20	$\mathcal{O}(2; \{2^6, 5, 10, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^3, 4^2, 5, 10, 20^2\})$	66560000
20	$\mathcal{O}(2; \{4^4, 5, 10, 20^2\})$	266240000
20	$\mathcal{O}(2; \{2, 5^3, 10^2, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^4, 10^3, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2, 4^2, 10^3, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^6, 4, 20^3\})$	15360000
20	$\mathcal{O}(2; \{2^3, 4^3, 20^3\})$	61440000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{4^5, 20^3\})$	245760000
20	$\mathcal{O}(2; \{2, 4, 5^2, 10, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^4, 5, 20^4\})$	261120000
20	$\mathcal{O}(2; \{2, 4^2, 5, 20^4\})$	1044480000
20	$\mathcal{O}(2; \{2^2, 10^2, 20^4\})$	1049600000
20	$\mathcal{O}(2; \{10, 20^6\})$	16773120000
20	$\mathcal{O}(1; \{2^{14}, 5^2\})$	1200
20	$\mathcal{O}(1; \{2^{11}, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{2^8, 4^4, 5^2\})$	12800
20	$\mathcal{O}(1; \{2^5, 4^6, 5^2\})$	51200
20	$\mathcal{O}(1; \{2^2, 4^8, 5^2\})$	204800
20	$\mathcal{O}(1; \{2^6, 5^7\})$	982800
20	$\mathcal{O}(1; \{2^3, 4^2, 5^7\})$	2620800
20	$\mathcal{O}(1; \{4^4, 5^7\})$	10483200
20	$\mathcal{O}(1; \{2^9, 5^4, 10\})$	61200
20	$\mathcal{O}(1; \{2^6, 4^2, 5^4, 10\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^4, 5^4, 10\})$	652800
20	$\mathcal{O}(1; \{4^6, 5^4, 10\})$	2611200
20	$\mathcal{O}(1; \{2, 5^9, 10\})$	62914800
20	$\mathcal{O}(1; \{2^{12}, 5, 10^2\})$	3600
20	$\mathcal{O}(1; \{2^9, 4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{2^6, 4^4, 5, 10^2\})$	38400
20	$\mathcal{O}(1; \{2^3, 4^6, 5, 10^2\})$	153600
20	$\mathcal{O}(1; \{4^8, 5, 10^2\})$	614400
20	$\mathcal{O}(1; \{2^4, 5^6, 10^2\})$	3932400
20	$\mathcal{O}(1; \{2, 4^2, 5^6, 10^2\})$	10486400
20	$\mathcal{O}(1; \{2^7, 5^3, 10^3\})$	246000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^3, 10^3\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5^3, 10^3\})$	2624000
20	$\mathcal{O}(1; \{2^{10}, 10^4\})$	15600
20	$\mathcal{O}(1; \{2^7, 4^2, 10^4\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^4, 10^4\})$	166400
20	$\mathcal{O}(1; \{2, 4^6, 10^4\})$	665600
20	$\mathcal{O}(1; \{2^2, 5^5, 10^4\})$	15728400
20	$\mathcal{O}(1; \{2^5, 5^2, 10^5\})$	982800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2, 10^5\})$	2620800
20	$\mathcal{O}(1; \{5^4, 10^6\})$	62914800
20	$\mathcal{O}(1; \{2^3, 5, 10^7\})$	3932400
20	$\mathcal{O}(1; \{4^2, 5, 10^7\})$	10486400
20	$\mathcal{O}(1; \{2, 10^9\})$	15728400
20	$\mathcal{O}(1; \{2^9, 4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^3, 5^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^5, 5^3, 20\})$	665600

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{4^7, 5^3, 20\})$	2662400
20	$\mathcal{O}(1; \{2, 4, 5^8, 20\})$	41942400
20	$\mathcal{O}(1; \{2^{12}, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{2^9, 4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{2^6, 4^5, 10, 20\})$	51200
20	$\mathcal{O}(1; \{2^3, 4^7, 10, 20\})$	204800
20	$\mathcal{O}(1; \{4^9, 10, 20\})$	819200
20	$\mathcal{O}(1; \{2^4, 4, 5^5, 10, 20\})$	2620800
20	$\mathcal{O}(1; \{2, 4^3, 5^5, 10, 20\})$	10483200
20	$\mathcal{O}(1; \{2^7, 4, 5^2, 10^2, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^3, 5^2, 10^2, 20\})$	652800
20	$\mathcal{O}(1; \{2, 4^5, 5^2, 10^2, 20\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4, 5^4, 10^3, 20\})$	10486400
20	$\mathcal{O}(1; \{2^5, 4, 5, 10^4, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 5, 10^4, 20\})$	2624000
20	$\mathcal{O}(1; \{4, 5^3, 10^5, 20\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4, 10^6, 20\})$	2620800
20	$\mathcal{O}(1; \{4^3, 10^6, 20\})$	10483200
20	$\mathcal{O}(1; \{2^7, 5^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^4, 20^2\})$	2624000
20	$\mathcal{O}(1; \{2, 4^4, 5^4, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^{10}, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^7, 4^2, 5, 10, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^4, 4^4, 5, 10, 20^2\})$	665600
20	$\mathcal{O}(1; \{2, 4^6, 5, 10, 20^2\})$	2662400
20	$\mathcal{O}(1; \{2^2, 5^6, 10, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 5^3, 10^2, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^3, 10^2, 20^2\})$	10483200
20	$\mathcal{O}(1; \{2^8, 10^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^5, 4^2, 10^3, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^2, 4^4, 10^3, 20^2\})$	2611200
20	$\mathcal{O}(1; \{5^5, 10^3, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^3, 5^2, 10^4, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5^2, 10^4, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2, 5, 10^6, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^{10}, 4, 20^3\})$	38400
20	$\mathcal{O}(1; \{2^7, 4^3, 20^3\})$	153600
20	$\mathcal{O}(1; \{2^4, 4^5, 20^3\})$	614400
20	$\mathcal{O}(1; \{2, 4^7, 20^3\})$	2457600
20	$\mathcal{O}(1; \{2^2, 4, 5^5, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^5, 4, 5^2, 10, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^3, 5^2, 10, 20^3\})$	10496000
20	$\mathcal{O}(1; \{4, 5^4, 10^2, 20^3\})$	167769600

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^3, 4, 5, 10^3, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4^3, 5, 10^3, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2, 4, 10^5, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^8, 5, 20^4\})$	652800
20	$\mathcal{O}(1; \{2^5, 4^2, 5, 20^4\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4^4, 5, 20^4\})$	10444800
20	$\mathcal{O}(1; \{5^6, 20^4\})$	671091200
20	$\mathcal{O}(1; \{2^3, 5^3, 10, 20^4\})$	41945600
20	$\mathcal{O}(1; \{4^2, 5^3, 10, 20^4\})$	167782400
20	$\mathcal{O}(1; \{2^6, 10^2, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^3, 4^2, 10^2, 20^4\})$	10496000
20	$\mathcal{O}(1; \{4^4, 10^2, 20^4\})$	41984000
20	$\mathcal{O}(1; \{2, 5^2, 10^3, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^3, 4, 5^2, 20^5\})$	41932800
20	$\mathcal{O}(1; \{4^3, 5^2, 20^5\})$	167731200
20	$\mathcal{O}(1; \{2, 4, 5, 10^2, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2, 5^3, 20^6\})$	671078400
20	$\mathcal{O}(1; \{2^4, 10, 20^6\})$	41932800
20	$\mathcal{O}(1; \{2, 4^2, 10, 20^6\})$	167731200
20	$\mathcal{O}(1; \{2^2, 20^8\})$	671129600
20	$\mathcal{O}(0; \{2^{15}, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{2^{12}, 4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{2^9, 4^6, 5^2\})$	128
20	$\mathcal{O}(0; \{2^6, 4^8, 5^2\})$	512
20	$\mathcal{O}(0; \{2^3, 4^{10}, 5^2\})$	2048
20	$\mathcal{O}(0; \{4^{12}, 5^2\})$	8192
20	$\mathcal{O}(0; \{2^7, 4^2, 5^7\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^4, 5^7\})$	26208
20	$\mathcal{O}(0; \{2, 4^6, 5^7\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^4, 10\})$	408
20	$\mathcal{O}(0; \{2^7, 4^4, 5^4, 10\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^6, 5^4, 10\})$	6528
20	$\mathcal{O}(0; \{2, 4^8, 5^4, 10\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^2, 5^9, 10\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2^{10}, 4^4, 5, 10^2\})$	96
20	$\mathcal{O}(0; \{2^7, 4^6, 5, 10^2\})$	384
20	$\mathcal{O}(0; \{2^4, 4^8, 5, 10^2\})$	1536
20	$\mathcal{O}(0; \{2, 4^{10}, 5, 10^2\})$	6144
20	$\mathcal{O}(0; \{2^5, 4^2, 5^6, 10^2\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^6, 10^2\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 5^3, 10^3\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5^3, 10^3\})$	6560

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^6, 5^3, 10^3\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^8, 10^3\})$	1677720
20	$\mathcal{O}(0; \{2^{11}, 4^2, 10^4\})$	104
20	$\mathcal{O}(0; \{2^8, 4^4, 10^4\})$	416
20	$\mathcal{O}(0; \{2^5, 4^6, 10^4\})$	1664
20	$\mathcal{O}(0; \{2^2, 4^8, 10^4\})$	6656
20	$\mathcal{O}(0; \{2^3, 4^2, 5^5, 10^4\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^5, 10^4\})$	419424
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2, 10^5\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2, 10^5\})$	26208
20	$\mathcal{O}(0; \{4^6, 5^2, 10^5\})$	104832
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10^6\})$	419432
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10^7\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 5, 10^7\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^2, 10^9\})$	104856
20	$\mathcal{O}(0; \{2^{13}, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^3, 5^3, 20\})$	416
20	$\mathcal{O}(0; \{2^7, 4^5, 5^3, 20\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^7, 5^3, 20\})$	6656
20	$\mathcal{O}(0; \{2, 4^9, 5^3, 20\})$	26624
20	$\mathcal{O}(0; \{2^5, 4, 5^8, 20\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^3, 5^8, 20\})$	419424
20	$\mathcal{O}(0; \{2^{16}, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2^{13}, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2^{10}, 4^5, 10, 20\})$	128
20	$\mathcal{O}(0; \{2^7, 4^7, 10, 20\})$	512
20	$\mathcal{O}(0; \{2^4, 4^9, 10, 20\})$	2048
20	$\mathcal{O}(0; \{2, 4^{11}, 10, 20\})$	8192
20	$\mathcal{O}(0; \{2^8, 4, 5^5, 10, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^3, 5^5, 10, 20\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^5, 5^5, 10, 20\})$	104832
20	$\mathcal{O}(0; \{4, 5^{10}, 10, 20\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 4, 5^2, 10^2, 20\})$	408
20	$\mathcal{O}(0; \{2^8, 4^3, 5^2, 10^2, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^5, 5^2, 10^2, 20\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^7, 5^2, 10^2, 20\})$	26112
20	$\mathcal{O}(0; \{2^3, 4, 5^7, 10^2, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^7, 10^2, 20\})$	1677728
20	$\mathcal{O}(0; \{2^6, 4, 5^4, 10^3, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^4, 10^3, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^4, 10^3, 20\})$	419456
20	$\mathcal{O}(0; \{2^9, 4, 5, 10^4, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 5, 10^4, 20\})$	6560

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^5, 5, 10^4, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 5, 10^4, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^6, 10^4, 20\})$	1677720
20	$\mathcal{O}(0; \{2^4, 4, 5^3, 10^5, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^3, 10^5, 20\})$	419424
20	$\mathcal{O}(0; \{2^7, 4, 10^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^3, 10^6, 20\})$	26208
20	$\mathcal{O}(0; \{2, 4^5, 10^6, 20\})$	104832
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10^7, 20\})$	419432
20	$\mathcal{O}(0; \{4, 5, 10^9, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{11}, 5^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^8, 4^2, 5^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^4, 5^4, 20^2\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^6, 5^4, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^3, 5^9, 20^2\})$	1677720
20	$\mathcal{O}(0; \{4^2, 5^9, 20^2\})$	6710880
20	$\mathcal{O}(0; \{2^{14}, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{11}, 4^2, 5, 10, 20^2\})$	416
20	$\mathcal{O}(0; \{2^8, 4^4, 5, 10, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^5, 4^6, 5, 10, 20^2\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^8, 5, 10, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^6, 5^6, 10, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 4^2, 5^6, 10, 20^2\})$	419424
20	$\mathcal{O}(0; \{4^4, 5^6, 10, 20^2\})$	1677696
20	$\mathcal{O}(0; \{2^9, 5^3, 10^2, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 5^3, 10^2, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 5^3, 10^2, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 5^3, 10^2, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^8, 10^2, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{12}, 10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^9, 4^2, 10^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^4, 10^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^3, 4^6, 10^3, 20^2\})$	26112
20	$\mathcal{O}(0; \{4^8, 10^3, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^4, 5^5, 10^3, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^5, 10^3, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^7, 5^2, 10^4, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10^4, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10^4, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^2, 5^4, 10^5, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^5, 5, 10^6, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^6, 20^2\})$	419424
20	$\mathcal{O}(0; \{5^3, 10^7, 20^2\})$	6710888

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 10^8, 20^2\})$	419432
20	$\mathcal{O}(0; \{4^2, 10^8, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^{14}, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{2^{11}, 4^3, 20^3\})$	384
20	$\mathcal{O}(0; \{2^8, 4^5, 20^3\})$	1536
20	$\mathcal{O}(0; \{2^5, 4^7, 20^3\})$	6144
20	$\mathcal{O}(0; \{2^2, 4^9, 20^3\})$	24576
20	$\mathcal{O}(0; \{2^6, 4, 5^5, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^3, 5^5, 20^3\})$	419456
20	$\mathcal{O}(0; \{4^5, 5^5, 20^3\})$	1677824
20	$\mathcal{O}(0; \{2^9, 4, 5^2, 10, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^3, 5^2, 10, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^5, 5^2, 10, 20^3\})$	104960
20	$\mathcal{O}(0; \{4^7, 5^2, 10, 20^3\})$	419840
20	$\mathcal{O}(0; \{2, 4, 5^7, 10, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^4, 4, 5^4, 10^2, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5^4, 10^2, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^7, 4, 5, 10^3, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^3, 5, 10^3, 20^3\})$	104832
20	$\mathcal{O}(0; \{2, 4^5, 5, 10^3, 20^3\})$	419328
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 10^4, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^5, 4, 10^5, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^3, 10^5, 20^3\})$	419456
20	$\mathcal{O}(0; \{4, 5^2, 10^6, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^{12}, 5, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^9, 4^2, 5, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^6, 4^4, 5, 20^4\})$	26112
20	$\mathcal{O}(0; \{2^3, 4^6, 5, 20^4\})$	104448
20	$\mathcal{O}(0; \{4^8, 5, 20^4\})$	417792
20	$\mathcal{O}(0; \{2^4, 5^6, 20^4\})$	1677728
20	$\mathcal{O}(0; \{2, 4^2, 5^6, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^7, 5^3, 10, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 4^2, 5^3, 10, 20^4\})$	419456
20	$\mathcal{O}(0; \{2, 4^4, 5^3, 10, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^{10}, 10^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^7, 4^2, 10^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^4, 4^4, 10^2, 20^4\})$	104960
20	$\mathcal{O}(0; \{2, 4^6, 10^2, 20^4\})$	419840
20	$\mathcal{O}(0; \{2^2, 5^5, 10^2, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 5^2, 10^3, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10^3, 20^4\})$	1677696
20	$\mathcal{O}(0; \{5^4, 10^4, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^3, 5, 10^5, 20^4\})$	1677728

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{4^2, 5, 10^5, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2, 10^7, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^7, 4, 5^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^4, 4^3, 5^2, 20^5\})$	419328
20	$\mathcal{O}(0; \{2, 4^5, 5^2, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2^2, 4, 5^4, 10, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^5, 4, 5, 10^2, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 10^2, 20^5\})$	1677824
20	$\mathcal{O}(0; \{4, 5^3, 10^3, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^3, 4, 10^4, 20^5\})$	1677696
20	$\mathcal{O}(0; \{4^3, 10^4, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^5, 5^3, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 20^6\})$	6710784
20	$\mathcal{O}(0; \{2^8, 10, 20^6\})$	104832
20	$\mathcal{O}(0; \{2^5, 4^2, 10, 20^6\})$	419328
20	$\mathcal{O}(0; \{2^2, 4^4, 10, 20^6\})$	1677312
20	$\mathcal{O}(0; \{5^5, 10, 20^6\})$	107374208
20	$\mathcal{O}(0; \{2^3, 5^2, 10^2, 20^6\})$	6710912
20	$\mathcal{O}(0; \{4^2, 5^2, 10^2, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2, 5, 10^4, 20^6\})$	26843520
20	$\mathcal{O}(0; \{4, 5^4, 20^7\})$	107374080
20	$\mathcal{O}(0; \{2^3, 4, 5, 10, 20^7\})$	6710784
20	$\mathcal{O}(0; \{4^3, 5, 10, 20^7\})$	26843136
20	$\mathcal{O}(0; \{2, 4, 10^3, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2^6, 20^8\})$	1677824
20	$\mathcal{O}(0; \{2^3, 4^2, 20^8\})$	6711296
20	$\mathcal{O}(0; \{4^4, 20^8\})$	26845184
20	$\mathcal{O}(0; \{2, 5^2, 10, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2, 4, 5, 20^9\})$	107374592
21	$\mathcal{O}(3; \{3, 7^3, 21\})$	31904997012
21	$\mathcal{O}(3; \{3^2, 21^3\})$	25729836300
21	$\mathcal{O}(2; \{3^4, 7^3, 21\})$	361734660
21	$\mathcal{O}(2; \{7^5, 21^2\})$	15554590380
21	$\mathcal{O}(2; \{3^5, 21^3\})$	501760980
21	$\mathcal{O}(2; \{3, 7^2, 21^4\})$	12964103460
21	$\mathcal{O}(1; \{3^2, 7^8\})$	211632372
21	$\mathcal{O}(1; \{3^7, 7^3, 21\})$	7054236
21	$\mathcal{O}(1; \{3^3, 7^5, 21^2\})$	176355900
21	$\mathcal{O}(1; \{3^8, 21^3\})$	9022860
21	$\mathcal{O}(1; \{3^4, 7^2, 21^4\})$	252814716
21	$\mathcal{O}(1; \{7^4, 21^5\})$	6348944700
21	$\mathcal{O}(1; \{3, 7, 21^7\})$	9100191996
21	$\mathcal{O}(0; \{3^5, 7^8\})$	2399460

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(0; \{3^{10}, 7^3, 21\})$	126852
21	$\mathcal{O}(0; \{3, 7^{10}, 21\})$	103656300
21	$\mathcal{O}(0; \{3^6, 7^5, 21^2\})$	3439140
21	$\mathcal{O}(0; \{3^{11}, 21^3\})$	163860
21	$\mathcal{O}(0; \{3^2, 7^7, 21^3\})$	86380260
21	$\mathcal{O}(0; \{3^7, 7^2, 21^4\})$	4546212
21	$\mathcal{O}(0; \{3^3, 7^4, 21^5\})$	123811620
21	$\mathcal{O}(0; \{3^4, 7, 21^7\})$	163643172
21	$\mathcal{O}(0; \{7^3, 21^8\})$	4457220900
21	$\mathcal{O}(0; \{3, 21^{10}\})$	5891133732
22	$\mathcal{O}(4; \{11^2\})$	546615146550
22	$\mathcal{O}(3; \{2^4, 11^2\})$	1133799040
22	$\mathcal{O}(3; \{2^2, 11, 22^2\})$	10204191360
22	$\mathcal{O}(3; \{22^4\})$	103175712640
22	$\mathcal{O}(2; \{2^8, 11^2\})$	2342560
22	$\mathcal{O}(2; \{2^6, 11, 22^2\})$	21083040
22	$\mathcal{O}(2; \{2^4, 22^4\})$	213172960
22	$\mathcal{O}(1; \{2^{12}, 11^2\})$	4840
22	$\mathcal{O}(1; \{2, 11^7, 22\})$	4400000440
22	$\mathcal{O}(1; \{2^{10}, 11, 22^2\})$	43560
22	$\mathcal{O}(1; \{2^8, 22^4\})$	440440
22	$\mathcal{O}(0; \{2^{16}, 11^2\})$	10
22	$\mathcal{O}(0; \{2^5, 11^7, 22\})$	9090910
22	$\mathcal{O}(0; \{2^{14}, 11, 22^2\})$	90
22	$\mathcal{O}(0; \{2^3, 11^6, 22^3\})$	90909090
22	$\mathcal{O}(0; \{2^{12}, 22^4\})$	910
22	$\mathcal{O}(0; \{2, 11^5, 22^5\})$	909090910
24	$\mathcal{O}(3; \{4^2, 6^2\})$	752467968
24	$\mathcal{O}(3; \{3, 4, 6, 12\})$	752467968
24	$\mathcal{O}(3; \{3^2, 12^2\})$	2257403904
24	$\mathcal{O}(3; \{2, 6, 12^2\})$	752467968
24	$\mathcal{O}(3; \{3^2, 8, 24\})$	1528823808
24	$\mathcal{O}(3; \{2, 6, 8, 24\})$	1528823808
24	$\mathcal{O}(3; \{2, 4, 24^2\})$	3057647616
24	$\mathcal{O}(2; \{2^2, 3^4, 4^2\})$	3732480
24	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6\})$	1244160
24	$\mathcal{O}(2; \{3^2, 4^4, 6\})$	4976640
24	$\mathcal{O}(2; \{2^4, 4^2, 6^2\})$	1244160
24	$\mathcal{O}(2; \{3^3, 4^2, 6^2\})$	6220800
24	$\mathcal{O}(2; \{2, 4^4, 6^2\})$	4976640
24	$\mathcal{O}(2; \{2, 3, 4^2, 6^3\})$	3732480
24	$\mathcal{O}(2; \{3^4, 4, 8^2\})$	15925248
24	$\mathcal{O}(2; \{2, 3^2, 4, 6, 8^2\})$	5308416

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^2, 4, 6^2, 8^2\})$	5308416
24	$\mathcal{O}(2; \{6^2, 8^4\})$	42467328
24	$\mathcal{O}(2; \{2^3, 3^3, 4, 12\})$	3732480
24	$\mathcal{O}(2; \{3^3, 4^3, 12\})$	14929920
24	$\mathcal{O}(2; \{2^4, 3, 4, 6, 12\})$	1244160
24	$\mathcal{O}(2; \{3^4, 4, 6, 12\})$	13685760
24	$\mathcal{O}(2; \{2, 3, 4^3, 6, 12\})$	4976640
24	$\mathcal{O}(2; \{2, 3^2, 4, 6^2, 12\})$	6220800
24	$\mathcal{O}(2; \{2^2, 4, 6^3, 12\})$	3732480
24	$\mathcal{O}(2; \{2, 3^3, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2^2, 3, 6, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{6^3, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2^4, 3^2, 12^2\})$	3732480
24	$\mathcal{O}(2; \{3^5, 12^2\})$	26127360
24	$\mathcal{O}(2; \{2, 3^2, 4^2, 12^2\})$	14929920
24	$\mathcal{O}(2; \{2^5, 6, 12^2\})$	1244160
24	$\mathcal{O}(2; \{2, 3^3, 6, 12^2\})$	13685760
24	$\mathcal{O}(2; \{2^2, 4^2, 6, 12^2\})$	4976640
24	$\mathcal{O}(2; \{2^2, 3, 6^2, 12^2\})$	6220800
24	$\mathcal{O}(2; \{6^4, 12^2\})$	13685760
24	$\mathcal{O}(2; \{4, 6, 8^2, 12^2\})$	21233664
24	$\mathcal{O}(2; \{2^2, 3, 4, 12^3\})$	14929920
24	$\mathcal{O}(2; \{4, 6^2, 12^3\})$	24883200
24	$\mathcal{O}(2; \{3, 8^2, 12^3\})$	63700992
24	$\mathcal{O}(2; \{2^3, 12^4\})$	14929920
24	$\mathcal{O}(2; \{4^2, 12^4\})$	59719680
24	$\mathcal{O}(2; \{3, 6, 12^4\})$	54743040
24	$\mathcal{O}(2; \{2^4, 3^2, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{3^5, 8, 24\})$	29196288
24	$\mathcal{O}(2; \{2, 3^2, 4^2, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2^5, 6, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{2, 3^3, 6, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{2^2, 4^2, 6, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2^2, 3, 6^2, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{6^4, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{4, 6, 8^3, 24\})$	84934656
24	$\mathcal{O}(2; \{2^2, 3, 4, 8, 12, 24\})$	10616832
24	$\mathcal{O}(2; \{4, 6^2, 8, 12, 24\})$	31850496
24	$\mathcal{O}(2; \{3, 8^3, 12, 24\})$	84934656
24	$\mathcal{O}(2; \{2^3, 8, 12^2, 24\})$	10616832
24	$\mathcal{O}(2; \{4^2, 8, 12^2, 24\})$	42467328
24	$\mathcal{O}(2; \{3, 6, 8, 12^2, 24\})$	53084160
24	$\mathcal{O}(2; \{2^5, 4, 24^2\})$	5308416

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2, 3^3, 4, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^2, 4^3, 24^2\})$	21233664
24	$\mathcal{O}(2; \{2^2, 3, 4, 6, 24^2\})$	15925248
24	$\mathcal{O}(2; \{4, 6^3, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^3, 8^2, 24^2\})$	42467328
24	$\mathcal{O}(2; \{4^2, 8^2, 24^2\})$	169869312
24	$\mathcal{O}(2; \{3, 6, 8^2, 24^2\})$	127401984
24	$\mathcal{O}(2; \{2^2, 3^2, 12, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^3, 6, 12, 24^2\})$	15925248
24	$\mathcal{O}(2; \{4^2, 6, 12, 24^2\})$	63700992
24	$\mathcal{O}(2; \{3, 6^2, 12, 24^2\})$	58392576
24	$\mathcal{O}(2; \{3, 4, 12^2, 24^2\})$	106168320
24	$\mathcal{O}(2; \{2, 12^3, 24^2\})$	106168320
24	$\mathcal{O}(2; \{3, 4, 8, 24^3\})$	254803968
24	$\mathcal{O}(2; \{2, 8, 12, 24^3\})$	254803968
24	$\mathcal{O}(2; \{3^2, 24^4\})$	467140608
24	$\mathcal{O}(2; \{2, 6, 24^4\})$	212336640
24	$\mathcal{O}(1; \{2^6, 3^4, 4^2\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^7, 4^2\})$	36288
24	$\mathcal{O}(1; \{2^3, 3^4, 4^4\})$	20736
24	$\mathcal{O}(1; \{3^4, 4^6\})$	82944
24	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6\})$	19008
24	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6\})$	6912
24	$\mathcal{O}(1; \{3^5, 4^4, 6\})$	76032
24	$\mathcal{O}(1; \{2, 3^2, 4^6, 6\})$	27648
24	$\mathcal{O}(1; \{2^8, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^2\})$	8640
24	$\mathcal{O}(1; \{3^6, 4^2, 6^2\})$	74304
24	$\mathcal{O}(1; \{2^5, 4^4, 6^2\})$	6912
24	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^2\})$	34560
24	$\mathcal{O}(1; \{2^2, 4^6, 6^2\})$	27648
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^3\})$	5184
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^3\})$	36288
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^3\})$	20736
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^4\})$	19008
24	$\mathcal{O}(1; \{2^3, 4^2, 6^5\})$	8640
24	$\mathcal{O}(1; \{4^4, 6^5\})$	34560
24	$\mathcal{O}(1; \{3, 4^2, 6^6\})$	36288
24	$\mathcal{O}(1; \{2^4, 3^4, 4, 8^2\})$	27648
24	$\mathcal{O}(1; \{3^7, 4, 8^2\})$	193536
24	$\mathcal{O}(1; \{2, 3^4, 4^3, 8^2\})$	110592
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 6, 8^2\})$	9216

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^5, 4, 6, 8^2\})$	101376
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6, 8^2\})$	36864
24	$\mathcal{O}(1; \{2^6, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^2, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^3, 4^3, 6^2, 8^2\})$	36864
24	$\mathcal{O}(1; \{4^5, 6^2, 8^2\})$	147456
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^3, 8^2\})$	27648
24	$\mathcal{O}(1; \{3, 4^3, 6^3, 8^2\})$	110592
24	$\mathcal{O}(1; \{3^2, 4, 6^4, 8^2\})$	101376
24	$\mathcal{O}(1; \{2, 4, 6^5, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 3^4, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8^4\})$	73728
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8^4\})$	294912
24	$\mathcal{O}(1; \{2^4, 6^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{3^3, 6^2, 8^4\})$	368640
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{2, 3, 6^3, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^7, 3^3, 4, 12\})$	5184
24	$\mathcal{O}(1; \{2^3, 3^6, 4, 12\})$	36288
24	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 12\})$	20736
24	$\mathcal{O}(1; \{3^6, 4^3, 12\})$	145152
24	$\mathcal{O}(1; \{2, 3^3, 4^5, 12\})$	82944
24	$\mathcal{O}(1; \{2^8, 3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^4, 4, 6, 12\})$	19008
24	$\mathcal{O}(1; \{3^7, 4, 6, 12\})$	146880
24	$\mathcal{O}(1; \{2^5, 3, 4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{2, 3^4, 4^3, 6, 12\})$	76032
24	$\mathcal{O}(1; \{2^2, 3, 4^5, 6, 12\})$	27648
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^2, 12\})$	8640
24	$\mathcal{O}(1; \{2, 3^5, 4, 6^2, 12\})$	74304
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^2, 12\})$	34560
24	$\mathcal{O}(1; \{2^6, 4, 6^3, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^3, 12\})$	36288
24	$\mathcal{O}(1; \{2^3, 4^3, 6^3, 12\})$	20736
24	$\mathcal{O}(1; \{4^5, 6^3, 12\})$	82944
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^4, 12\})$	19008
24	$\mathcal{O}(1; \{3, 4^3, 6^4, 12\})$	76032
24	$\mathcal{O}(1; \{3^2, 4, 6^5, 12\})$	74304
24	$\mathcal{O}(1; \{2, 4, 6^6, 12\})$	36288
24	$\mathcal{O}(1; \{2^5, 3^3, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{2, 3^6, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2^6, 3, 6, 8^2, 12\})$	9216

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^4, 6, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{3, 4^4, 6, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{3^2, 4^2, 6^2, 8^2, 12\})$	184320
24	$\mathcal{O}(1; \{2^4, 6^3, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{3^3, 6^3, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2, 4^2, 6^3, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2, 3, 6^4, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{3^3, 4, 8^4, 12\})$	884736
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{2^8, 3^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^4, 3^5, 12^2\})$	36288
24	$\mathcal{O}(1; \{3^8, 12^2\})$	295488
24	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 12^2\})$	20736
24	$\mathcal{O}(1; \{2, 3^5, 4^2, 12^2\})$	145152
24	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 12^2\})$	82944
24	$\mathcal{O}(1; \{2^9, 6, 12^2\})$	1728
24	$\mathcal{O}(1; \{2^5, 3^3, 6, 12^2\})$	19008
24	$\mathcal{O}(1; \{2, 3^6, 6, 12^2\})$	146880
24	$\mathcal{O}(1; \{2^6, 4^2, 6, 12^2\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 12^2\})$	76032
24	$\mathcal{O}(1; \{2^3, 4^4, 6, 12^2\})$	27648
24	$\mathcal{O}(1; \{4^6, 6, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^6, 3, 6^2, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 12^2\})$	34560
24	$\mathcal{O}(1; \{3, 4^4, 6^2, 12^2\})$	138240
24	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 12^2\})$	36288
24	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 12^2\})$	145152
24	$\mathcal{O}(1; \{2^4, 6^4, 12^2\})$	19008
24	$\mathcal{O}(1; \{3^3, 6^4, 12^2\})$	146880
24	$\mathcal{O}(1; \{2, 4^2, 6^4, 12^2\})$	76032
24	$\mathcal{O}(1; \{2, 3, 6^5, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8^2, 12^2\})$	110592
24	$\mathcal{O}(1; \{3^2, 4^3, 8^2, 12^2\})$	442368
24	$\mathcal{O}(1; \{2^4, 4, 6, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{3^3, 4, 6, 8^2, 12^2\})$	405504
24	$\mathcal{O}(1; \{2, 4^3, 6, 8^2, 12^2\})$	147456
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2, 3^2, 8^4, 12^2\})$	884736
24	$\mathcal{O}(1; \{2^2, 6, 8^4, 12^2\})$	294912
24	$\mathcal{O}(1; \{2^6, 3, 4, 12^3\})$	20736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 12^3\})$	82944
24	$\mathcal{O}(1; \{3, 4^5, 12^3\})$	331776
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 12^3\})$	76032
24	$\mathcal{O}(1; \{3^2, 4^3, 6, 12^3\})$	304128
24	$\mathcal{O}(1; \{2^4, 4, 6^2, 12^3\})$	34560
24	$\mathcal{O}(1; \{3^3, 4, 6^2, 12^3\})$	297216
24	$\mathcal{O}(1; \{2, 4^3, 6^2, 12^3\})$	138240
24	$\mathcal{O}(1; \{2, 3, 4, 6^3, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^4, 3, 8^2, 12^3\})$	110592
24	$\mathcal{O}(1; \{3^4, 8^2, 12^3\})$	774144
24	$\mathcal{O}(1; \{2, 3, 4^2, 8^2, 12^3\})$	442368
24	$\mathcal{O}(1; \{2, 3^2, 6, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{2^2, 6^2, 8^2, 12^3\})$	184320
24	$\mathcal{O}(1; \{2^7, 12^4\})$	20736
24	$\mathcal{O}(1; \{2^3, 3^3, 12^4\})$	145152
24	$\mathcal{O}(1; \{2^4, 4^2, 12^4\})$	82944
24	$\mathcal{O}(1; \{3^3, 4^2, 12^4\})$	580608
24	$\mathcal{O}(1; \{2, 4^4, 12^4\})$	331776
24	$\mathcal{O}(1; \{2^4, 3, 6, 12^4\})$	76032
24	$\mathcal{O}(1; \{3^4, 6, 12^4\})$	587520
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 12^4\})$	304128
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 12^4\})$	297216
24	$\mathcal{O}(1; \{2^2, 6^3, 12^4\})$	145152
24	$\mathcal{O}(1; \{2^2, 4, 8^2, 12^4\})$	442368
24	$\mathcal{O}(1; \{8^4, 12^4\})$	3538944
24	$\mathcal{O}(1; \{2, 3^2, 4, 12^5\})$	580608
24	$\mathcal{O}(1; \{2^2, 4, 6, 12^5\})$	304128
24	$\mathcal{O}(1; \{6, 8^2, 12^5\})$	1622016
24	$\mathcal{O}(1; \{2^2, 3, 12^6\})$	580608
24	$\mathcal{O}(1; \{6^2, 12^6\})$	1188864
24	$\mathcal{O}(1; \{4, 12^7\})$	2322432
24	$\mathcal{O}(1; \{2^8, 3^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^5, 8, 24\})$	50688
24	$\mathcal{O}(1; \{3^8, 8, 24\})$	391680
24	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^5, 4^2, 8, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^9, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^5, 3^3, 6, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 3^6, 6, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2^6, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 8, 24\})$	92160

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 4^4, 6, 8, 24\})$	73728
24	$\mathcal{O}(1; \{4^6, 6, 8, 24\})$	294912
24	$\mathcal{O}(1; \{2^6, 3, 6^2, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 8, 24\})$	55296
24	$\mathcal{O}(1; \{3, 4^4, 6^2, 8, 24\})$	221184
24	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 8, 24\})$	50688
24	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 8, 24\})$	202752
24	$\mathcal{O}(1; \{2^4, 6^4, 8, 24\})$	23040
24	$\mathcal{O}(1; \{3^3, 6^4, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2, 4^2, 6^4, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2, 3, 6^5, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{3^2, 4^3, 8^3, 24\})$	589824
24	$\mathcal{O}(1; \{2^4, 4, 6, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{3^3, 4, 6, 8^3, 24\})$	737280
24	$\mathcal{O}(1; \{2, 4^3, 6, 8^3, 24\})$	589824
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{2, 3^2, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^2, 6, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^6, 3, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 8, 12, 24\})$	73728
24	$\mathcal{O}(1; \{3, 4^5, 8, 12, 24\})$	294912
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{3^2, 4^3, 6, 8, 12, 24\})$	368640
24	$\mathcal{O}(1; \{2^4, 4, 6^2, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{3^3, 4, 6^2, 8, 12, 24\})$	387072
24	$\mathcal{O}(1; \{2, 4^3, 6^2, 8, 12, 24\})$	221184
24	$\mathcal{O}(1; \{2, 3, 4, 6^3, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^4, 3, 8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{3^4, 8^3, 12, 24\})$	1622016
24	$\mathcal{O}(1; \{2, 3, 4^2, 8^3, 12, 24\})$	589824
24	$\mathcal{O}(1; \{2, 3^2, 6, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{2^2, 6^2, 8^3, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^7, 8, 12^2, 24\})$	18432
24	$\mathcal{O}(1; \{2^3, 3^3, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{2^4, 4^2, 8, 12^2, 24\})$	73728
24	$\mathcal{O}(1; \{3^3, 4^2, 8, 12^2, 24\})$	811008
24	$\mathcal{O}(1; \{2, 4^4, 8, 12^2, 24\})$	294912
24	$\mathcal{O}(1; \{2^4, 3, 6, 8, 12^2, 24\})$	92160
24	$\mathcal{O}(1; \{3^4, 6, 8, 12^2, 24\})$	792576
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8, 12^2, 24\})$	368640

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2^2, 6^3, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 4, 8^3, 12^2, 24\})$	589824
24	$\mathcal{O}(1; \{8^5, 12^2, 24\})$	4718592
24	$\mathcal{O}(1; \{2, 3^2, 4, 8, 12^3, 24\})$	811008
24	$\mathcal{O}(1; \{2^2, 4, 6, 8, 12^3, 24\})$	368640
24	$\mathcal{O}(1; \{6, 8^3, 12^3, 24\})$	2949120
24	$\mathcal{O}(1; \{2^2, 3, 8, 12^4, 24\})$	811008
24	$\mathcal{O}(1; \{6^2, 8, 12^4, 24\})$	1548288
24	$\mathcal{O}(1; \{4, 8, 12^5, 24\})$	3244032
24	$\mathcal{O}(1; \{2^9, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^5, 3^3, 4, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^6, 4, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^6, 4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^3, 4^5, 24^2\})$	147456
24	$\mathcal{O}(1; \{4^7, 24^2\})$	589824
24	$\mathcal{O}(1; \{2^6, 3, 4, 6, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 6, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 6, 24^2\})$	110592
24	$\mathcal{O}(1; \{3, 4^5, 6, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^2, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^2, 4^3, 6^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^4, 4, 6^3, 24^2\})$	46080
24	$\mathcal{O}(1; \{3^3, 4, 6^3, 24^2\})$	396288
24	$\mathcal{O}(1; \{2, 4^3, 6^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{2, 3, 4, 6^4, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^7, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^3, 3^3, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^4, 4^2, 8^2, 24^2\})$	294912
24	$\mathcal{O}(1; \{3^3, 4^2, 8^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2, 4^4, 8^2, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3, 6, 8^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{3^4, 6, 8^2, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^2, 6^3, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^2, 4, 8^4, 24^2\})$	2359296
24	$\mathcal{O}(1; \{8^6, 24^2\})$	18874368
24	$\mathcal{O}(1; \{2^6, 3^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 3^5, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 12, 24^2\})$	184320
24	$\mathcal{O}(1; \{3^2, 4^4, 12, 24^2\})$	737280

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^7, 6, 12, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^3, 3^3, 6, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^4, 4^2, 6, 12, 24^2\})$	110592
24	$\mathcal{O}(1; \{3^3, 4^2, 6, 12, 24^2\})$	774144
24	$\mathcal{O}(1; \{2, 4^4, 6, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^4, 3, 6^2, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^4, 6^2, 12, 24^2\})$	783360
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{2, 3^2, 6^3, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 6^4, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{2, 3^2, 4, 8^2, 12, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^2, 4, 6, 8^2, 12, 24^2\})$	884736
24	$\mathcal{O}(1; \{6, 8^4, 12, 24^2\})$	7077888
24	$\mathcal{O}(1; \{2^4, 3, 4, 12^2, 24^2\})$	184320
24	$\mathcal{O}(1; \{3^4, 4, 12^2, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2, 3, 4^3, 12^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 12^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^2, 3, 8^2, 12^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{6^2, 8^2, 12^2, 24^2\})$	3244032
24	$\mathcal{O}(1; \{2^5, 12^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{2, 3^3, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2^2, 4^2, 12^3, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^2, 3, 6, 12^3, 24^2\})$	774144
24	$\mathcal{O}(1; \{6^3, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{4, 8^2, 12^3, 24^2\})$	5898240
24	$\mathcal{O}(1; \{4, 6, 12^4, 24^2\})$	3096576
24	$\mathcal{O}(1; \{3, 12^5, 24^2\})$	6340608
24	$\mathcal{O}(1; \{2^4, 3, 4, 8, 24^3\})$	442368
24	$\mathcal{O}(1; \{3^4, 4, 8, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2, 3, 4^3, 8, 24^3\})$	1769472
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 8, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 8, 24^3\})$	737280
24	$\mathcal{O}(1; \{2^2, 3, 8^3, 24^3\})$	3538944
24	$\mathcal{O}(1; \{6^2, 8^3, 24^3\})$	5898240
24	$\mathcal{O}(1; \{2^5, 8, 12, 24^3\})$	442368
24	$\mathcal{O}(1; \{2, 3^3, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2^2, 4^2, 8, 12, 24^3\})$	1769472
24	$\mathcal{O}(1; \{2^2, 3, 6, 8, 12, 24^3\})$	1622016
24	$\mathcal{O}(1; \{6^3, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{4, 8^3, 12, 24^3\})$	14155776
24	$\mathcal{O}(1; \{4, 6, 8, 12^2, 24^3\})$	6488064
24	$\mathcal{O}(1; \{3, 8, 12^3, 24^3\})$	12386304

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^4, 3^2, 24^4\})$	811008
24	$\mathcal{O}(1; \{3^5, 24^4\})$	6266880
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2^5, 6, 24^4\})$	368640
24	$\mathcal{O}(1; \{2, 3^3, 6, 24^4\})$	3170304
24	$\mathcal{O}(1; \{2^2, 4^2, 6, 24^4\})$	1474560
24	$\mathcal{O}(1; \{2^2, 3, 6^2, 24^4\})$	1548288
24	$\mathcal{O}(1; \{6^4, 24^4\})$	3170304
24	$\mathcal{O}(1; \{4, 6, 8^2, 24^4\})$	11796480
24	$\mathcal{O}(1; \{2^2, 3, 4, 12, 24^4\})$	3244032
24	$\mathcal{O}(1; \{4, 6^2, 12, 24^4\})$	6193152
24	$\mathcal{O}(1; \{3, 8^2, 12, 24^4\})$	25952256
24	$\mathcal{O}(1; \{2^3, 12^2, 24^4\})$	3244032
24	$\mathcal{O}(1; \{4^2, 12^2, 24^4\})$	12976128
24	$\mathcal{O}(1; \{3, 6, 12^2, 24^4\})$	12681216
24	$\mathcal{O}(1; \{2^3, 8, 24^5\})$	5898240
24	$\mathcal{O}(1; \{4^2, 8, 24^5\})$	23592960
24	$\mathcal{O}(1; \{3, 6, 8, 24^5\})$	24772608
24	$\mathcal{O}(1; \{3, 4, 24^6\})$	49545216
24	$\mathcal{O}(1; \{2, 12, 24^6\})$	49545216
24	$\mathcal{O}(0; \{2^8, 3^4, 4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^4, 3^7, 4, 8^2\})$	336
24	$\mathcal{O}(0; \{3^{10}, 4, 8^2\})$	2736
24	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 8^2\})$	192
24	$\mathcal{O}(0; \{2, 3^7, 4^3, 8^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 8^2\})$	768
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 6, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3^8, 4, 6, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6, 8^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6, 8^2\})$	256
24	$\mathcal{O}(0; \{3^2, 4^7, 6, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^{10}, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^2, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^2, 8^2\})$	688
24	$\mathcal{O}(0; \{2^7, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^2, 8^2\})$	320
24	$\mathcal{O}(0; \{2^4, 4^5, 6^2, 8^2\})$	256
24	$\mathcal{O}(0; \{3^3, 4^5, 6^2, 8^2\})$	1280
24	$\mathcal{O}(0; \{2, 4^7, 6^2, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^3, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^3, 8^2\})$	336

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^3, 8^2\})$	192
24	$\mathcal{O}(0; \{3^4, 4^3, 6^3, 8^2\})$	1344
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^3, 8^2\})$	768
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^4, 8^2\})$	176
24	$\mathcal{O}(0; \{3^5, 4, 6^4, 8^2\})$	1360
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^4, 8^2\})$	704
24	$\mathcal{O}(0; \{2^5, 4, 6^5, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^5, 8^2\})$	688
24	$\mathcal{O}(0; \{2^2, 4^3, 6^5, 8^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^6, 8^2\})$	336
24	$\mathcal{O}(0; \{4, 6^8, 8^2\})$	688
24	$\mathcal{O}(0; \{2^6, 3^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2^2, 3^7, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8^4\})$	1536
24	$\mathcal{O}(0; \{3^4, 4^4, 8^4\})$	6144
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8^4\})$	512
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^8, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8^4\})$	640
24	$\mathcal{O}(0; \{3^6, 6^2, 8^4\})$	5504
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8^4\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8^4\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 6^5, 8^4\})$	640
24	$\mathcal{O}(0; \{4^2, 6^5, 8^4\})$	2560
24	$\mathcal{O}(0; \{3, 6^6, 8^4\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^6\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^6\})$	4096
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^6\})$	4096
24	$\mathcal{O}(0; \{4^3, 6^2, 8^6\})$	16384
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^6\})$	12288
24	$\mathcal{O}(0; \{3^2, 6, 8^8\})$	32768
24	$\mathcal{O}(0; \{2, 6^2, 8^8\})$	32768
24	$\mathcal{O}(0; \{2^9, 3^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^5, 3^6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2, 3^9, 8^2, 12\})$	2736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{3^3, 4^6, 8^2, 12\})$	3072
24	$\mathcal{O}(0; \{2^{10}, 3, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^6, 3^4, 6, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3^7, 6, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{3^4, 4^4, 6, 8^2, 12\})$	2816
24	$\mathcal{O}(0; \{2, 3, 4^6, 6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^2, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3^5, 4^2, 6^2, 8^2, 12\})$	2752
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^2, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^8, 6^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^6, 6^3, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2^5, 4^2, 6^3, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^3, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^2, 4^4, 6^3, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{2^5, 3, 6^4, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^4, 6^4, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^4, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^3, 6^6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{4^2, 6^6, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{3, 6^7, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{3^6, 4, 8^4, 12\})$	10752
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{4^3, 6^3, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{3, 4, 6^4, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^3, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^6, 12\})$	16384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 6^2, 8^6, 12\})$	20480
24	$\mathcal{O}(0; \{2, 6^3, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8^2, 12^2\})$	768
24	$\mathcal{O}(0; \{3^5, 4^3, 8^2, 12^2\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8^2, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^8, 4, 6, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{3^6, 4, 6, 8^2, 12^2\})$	5440
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 8^2, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{4^3, 6^4, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{3, 4, 6^5, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^5, 3^2, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^5, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^4, 12^2\})$	6144
24	$\mathcal{O}(0; \{2^6, 6, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{4^4, 6, 8^4, 12^2\})$	8192
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^4, 12^2\})$	10240
24	$\mathcal{O}(0; \{3^2, 6^3, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2, 6^4, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{3^2, 4, 8^6, 12^2\})$	49152
24	$\mathcal{O}(0; \{2, 4, 6, 8^6, 12^2\})$	16384
24	$\mathcal{O}(0; \{2^8, 3, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^4, 3^4, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{3^7, 8^2, 12^3\})$	10944
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8^2, 12^3\})$	3072
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{2, 3^5, 6, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2^6, 6^2, 8^2, 12^3\})$	320

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8^2, 12^3\})$	1280
24	$\mathcal{O}(0; \{4^4, 6^2, 8^2, 12^3\})$	5120
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{3^2, 6^4, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2, 6^5, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^4, 12^3\})$	6144
24	$\mathcal{O}(0; \{3, 4^3, 8^4, 12^3\})$	24576
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^4, 12^3\})$	22528
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^4, 12^3\})$	10240
24	$\mathcal{O}(0; \{2, 3, 8^6, 12^3\})$	49152
24	$\mathcal{O}(0; \{2^6, 4, 8^2, 12^4\})$	768
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 12^4\})$	3072
24	$\mathcal{O}(0; \{4^5, 8^2, 12^4\})$	12288
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^2, 12^4\})$	2816
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^2, 12^4\})$	11264
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^2, 12^4\})$	11008
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^4, 8^4, 12^4\})$	6144
24	$\mathcal{O}(0; \{3^3, 8^4, 12^4\})$	43008
24	$\mathcal{O}(0; \{2, 4^2, 8^4, 12^4\})$	24576
24	$\mathcal{O}(0; \{2, 3, 6, 8^4, 12^4\})$	22528
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 12^5\})$	5376
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 12^5\})$	21504
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 12^5\})$	2816
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 12^5\})$	21760
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 12^5\})$	11264
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12^6\})$	21504
24	$\mathcal{O}(0; \{2^2, 8^2, 12^7\})$	21504
24	$\mathcal{O}(0; \{2^{12}, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^8, 3^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^4, 3^8, 8, 24\})$	680
24	$\mathcal{O}(0; \{3^{11}, 8, 24\})$	5464
24	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 8, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^8, 4^2, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 8, 24\})$	512
24	$\mathcal{O}(0; \{3^2, 4^8, 8, 24\})$	2048

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^{13}, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^9, 3^3, 6, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^5, 3^6, 6, 8, 24\})$	344
24	$\mathcal{O}(0; \{2, 3^9, 6, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^{10}, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^7, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^4, 4^6, 6, 8, 24\})$	512
24	$\mathcal{O}(0; \{3^3, 4^6, 6, 8, 24\})$	2560
24	$\mathcal{O}(0; \{2, 4^8, 6, 8, 24\})$	2048
24	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^2, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^2, 8, 24\})$	384
24	$\mathcal{O}(0; \{3^4, 4^4, 6^2, 8, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4^6, 6^2, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^3, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^5, 4^2, 6^3, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^3, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^8, 6^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^6, 6^4, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^5, 4^2, 6^4, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^4, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^2, 4^4, 6^4, 8, 24\})$	640
24	$\mathcal{O}(0; \{2^5, 3, 6^5, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^4, 6^5, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^5, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^3, 6^7, 8, 24\})$	344
24	$\mathcal{O}(0; \{4^2, 6^7, 8, 24\})$	1376
24	$\mathcal{O}(0; \{3, 6^8, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3^5, 4^3, 8^3, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8^3, 24\})$	4096

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^8, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^6, 4, 6, 8^3, 24\})$	11008
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{4^3, 6^4, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{3, 4, 6^5, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^5, 3^2, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2, 3^5, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2^6, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{4^4, 6, 8^5, 24\})$	32768
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^5, 24\})$	24576
24	$\mathcal{O}(0; \{3^2, 6^3, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2, 6^4, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{3^2, 4, 8^7, 24\})$	65536
24	$\mathcal{O}(0; \{2, 4, 6, 8^7, 24\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{3^4, 4^5, 8, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4^7, 8, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{3^5, 4^3, 6, 8, 12, 24\})$	5504
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^8, 4, 6^2, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^2, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3^6, 4, 6^2, 8, 12, 24\})$	5472
24	$\mathcal{O}(0; \{2^5, 4^3, 6^2, 8, 12, 24\})$	384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^2, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 4^5, 6^2, 8, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^3, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^3, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^3, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^4, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^3, 4, 6^5, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{4^3, 6^5, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{3, 4, 6^6, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^8, 3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3^4, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{3^7, 8^3, 12, 24\})$	21760
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8^3, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^5, 6, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2^6, 6^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8^3, 12, 24\})$	3072
24	$\mathcal{O}(0; \{4^4, 6^2, 8^3, 12, 24\})$	12288
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{3^2, 6^4, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2, 6^5, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^5, 12, 24\})$	8192
24	$\mathcal{O}(0; \{3, 4^3, 8^5, 12, 24\})$	32768
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^5, 12, 24\})$	40960
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^5, 12, 24\})$	24576
24	$\mathcal{O}(0; \{2, 3, 8^7, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^{11}, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2^7, 3^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^3, 3^6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^8, 4^2, 8, 12^2, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{3^6, 4^2, 8, 12^2, 24\})$	10880
24	$\mathcal{O}(0; \{2^5, 4^4, 8, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^6, 8, 12^2, 24\})$	2048
24	$\mathcal{O}(0; \{2^8, 3, 6, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{3^7, 6, 8, 12^2, 24\})$	10912

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^6, 6^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{4^4, 6^3, 8, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{3^2, 6^5, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2, 6^6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^6, 4, 8^3, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 4^3, 8^3, 12^2, 24\})$	4096
24	$\mathcal{O}(0; \{4^5, 8^3, 12^2, 24\})$	16384
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^3, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^3, 12^2, 24\})$	20480
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^3, 12^2, 24\})$	21504
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^4, 8^5, 12^2, 24\})$	8192
24	$\mathcal{O}(0; \{3^3, 8^5, 12^2, 24\})$	90112
24	$\mathcal{O}(0; \{2, 4^2, 8^5, 12^2, 24\})$	32768
24	$\mathcal{O}(0; \{2, 3, 6, 8^5, 12^2, 24\})$	40960
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^5, 4, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8, 12^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^6, 4, 6, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8, 12^3, 24\})$	2560
24	$\mathcal{O}(0; \{4^5, 6, 8, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8, 12^3, 24\})$	10752
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2, 4, 6^4, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^3, 3^2, 8^3, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{3^2, 4^2, 8^3, 12^3, 24\})$	45056
24	$\mathcal{O}(0; \{2^4, 6, 8^3, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{3^3, 6, 8^3, 12^3, 24\})$	44032
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^3, 12^3, 24\})$	20480
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^3, 12^3, 24\})$	21504

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^4, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8, 12^4, 24\})$	5632
24	$\mathcal{O}(0; \{3, 4^4, 8, 12^4, 24\})$	22528
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8, 12^4, 24\})$	5504
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8, 12^4, 24\})$	22016
24	$\mathcal{O}(0; \{2^4, 6^2, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{3^3, 6^2, 8, 12^4, 24\})$	21888
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8, 12^4, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3, 6^3, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4, 8^3, 12^4, 24\})$	45056
24	$\mathcal{O}(0; \{2^4, 4, 8, 12^5, 24\})$	5632
24	$\mathcal{O}(0; \{3^3, 4, 8, 12^5, 24\})$	43520
24	$\mathcal{O}(0; \{2, 4^3, 8, 12^5, 24\})$	22528
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 12^5, 24\})$	22016
24	$\mathcal{O}(0; \{2^2, 8^3, 12^5, 24\})$	45056
24	$\mathcal{O}(0; \{2, 3^2, 8, 12^6, 24\})$	43520
24	$\mathcal{O}(0; \{2^2, 6, 8, 12^6, 24\})$	22016
24	$\mathcal{O}(0; \{8, 12^8, 24\})$	174080
24	$\mathcal{O}(0; \{2^{13}, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^9, 3^3, 4, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 3^6, 4, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^9, 4, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^{10}, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^7, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^7, 24^2\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^7, 24^2\})$	5120
24	$\mathcal{O}(0; \{2, 4^9, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 6, 24^2\})$	48
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 6, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 6, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 6, 24^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 6, 24^2\})$	768
24	$\mathcal{O}(0; \{3^4, 4^5, 6, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^7, 6, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^2, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^2, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^2, 24^2\})$	704
24	$\mathcal{O}(0; \{3^5, 4^3, 6^2, 24^2\})$	5440

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^8, 4, 6^3, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^3, 24^2\})$	688
24	$\mathcal{O}(0; \{3^6, 4, 6^3, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^5, 4^3, 6^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 4^5, 6^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^4, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^4, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^4, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^5, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^3, 4, 6^6, 24^2\})$	688
24	$\mathcal{O}(0; \{4^3, 6^6, 24^2\})$	2752
24	$\mathcal{O}(0; \{3, 4, 6^7, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^{11}, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^7, 3^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3^6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^8, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^6, 4^2, 8^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^5, 4^4, 8^2, 24^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 4^6, 8^2, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^8, 3, 6, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^7, 6, 8^2, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^6, 6^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{4^4, 6^3, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{3^2, 6^5, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 6^6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^6, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 4^3, 8^4, 24^2\})$	16384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^5, 8^4, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^4, 24^2\})$	12288
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^4, 24^2\})$	49152
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^4, 8^6, 24^2\})$	32768
24	$\mathcal{O}(0; \{3^3, 8^6, 24^2\})$	163840
24	$\mathcal{O}(0; \{2, 4^2, 8^6, 24^2\})$	131072
24	$\mathcal{O}(0; \{2, 3, 6, 8^6, 24^2\})$	98304
24	$\mathcal{O}(0; \{2^{10}, 3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^6, 3^5, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3^8, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^5, 4^4, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^6, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^{11}, 6, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2^7, 3^3, 6, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 3^6, 6, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^8, 4^2, 6, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^6, 4^2, 6, 12, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^5, 4^4, 6, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 6, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^6, 6, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^8, 3, 6^2, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^7, 6^2, 12, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^5, 6^3, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^6, 6^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^3, 4^2, 6^4, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{4^4, 6^4, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 3, 6^5, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3, 4^2, 6^5, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{3^2, 6^6, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2, 6^7, 12, 24^2\})$	2736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 3^5, 4, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8^2, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^6, 4, 6, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8^2, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{4^5, 6, 8^2, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8^2, 12, 24^2\})$	22528
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 4, 6^4, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 3^2, 8^4, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{3^2, 4^2, 8^4, 12, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^4, 6, 8^4, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{3^3, 6, 8^4, 12, 24^2\})$	86016
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^4, 12, 24^2\})$	49152
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^8, 3, 4, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^7, 4, 12^2, 24^2\})$	21824
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 12^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{4^5, 6^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2, 4, 6^5, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^6, 3, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^4, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^2, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{3, 4^4, 8^2, 12^2, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^2, 12^2, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^4, 6^2, 8^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^3, 6^2, 8^2, 12^2, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^2, 12^2, 24^2\})$	22528

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3, 4, 8^4, 12^2, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^9, 12^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2^5, 3^3, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 3^6, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2^6, 4^2, 12^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 4^4, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{4^6, 12^3, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^6, 3, 6, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12^3, 24^2\})$	5376
24	$\mathcal{O}(0; \{3, 4^4, 6, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12^3, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^4, 6^3, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^3, 6^3, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3, 6^4, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^4, 4, 8^2, 12^3, 24^2\})$	10240
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 12^3, 24^2\})$	88064
24	$\mathcal{O}(0; \{2, 4^3, 8^2, 12^3, 24^2\})$	40960
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 12^3, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^2, 8^4, 12^3, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^4, 24^2\})$	11008
24	$\mathcal{O}(0; \{3^2, 4^3, 12^4, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^4, 4, 6, 12^4, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^3, 4, 6, 12^4, 24^2\})$	43776
24	$\mathcal{O}(0; \{2, 4^3, 6, 12^4, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^4, 3, 12^5, 24^2\})$	11008
24	$\mathcal{O}(0; \{3^4, 12^5, 24^2\})$	87296
24	$\mathcal{O}(0; \{2, 3, 4^2, 12^5, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 3^2, 6, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{2^2, 6^2, 12^5, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 4, 12^6, 24^2\})$	44032
24	$\mathcal{O}(0; \{8^2, 12^6, 24^2\})$	352256
24	$\mathcal{O}(0; \{6, 12^7, 24^2\})$	175104
24	$\mathcal{O}(0; \{2^8, 3, 4, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^7, 4, 8, 24^3\})$	43776

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 8, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 8, 24^3\})$	5120
24	$\mathcal{O}(0; \{4^5, 6^2, 8, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2, 4, 6^5, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^6, 3, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^2, 3^4, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^3, 24^3\})$	24576
24	$\mathcal{O}(0; \{3, 4^4, 8^3, 24^3\})$	98304
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^3, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^4, 6^2, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{3^3, 6^2, 8^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^3, 24^3\})$	40960
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2, 3, 4, 8^5, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^9, 8, 12, 24^3\})$	768
24	$\mathcal{O}(0; \{2^5, 3^3, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{2, 3^6, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2^6, 4^2, 8, 12, 24^3\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^3, 4^4, 8, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{4^6, 8, 12, 24^3\})$	49152
24	$\mathcal{O}(0; \{2^6, 3, 6, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8, 12, 24^3\})$	11264
24	$\mathcal{O}(0; \{3, 4^4, 6, 8, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8, 12, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^4, 6^3, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^3, 6^3, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2, 3, 6^4, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^4, 4, 8^3, 12, 24^3\})$	24576

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^3, 4, 8^3, 12, 24^3\})$	172032
24	$\mathcal{O}(0; \{2, 4^3, 8^3, 12, 24^3\})$	98304
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^3, 12, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^2, 8^5, 12, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8, 12^2, 24^3\})$	21504
24	$\mathcal{O}(0; \{3^2, 4^3, 8, 12^2, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^4, 4, 6, 8, 12^2, 24^3\})$	11264
24	$\mathcal{O}(0; \{3^3, 4, 6, 8, 12^2, 24^3\})$	87040
24	$\mathcal{O}(0; \{2, 4^3, 6, 8, 12^2, 24^3\})$	45056
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2, 3^2, 8^3, 12^2, 24^3\})$	172032
24	$\mathcal{O}(0; \{2^2, 6, 8^3, 12^2, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^4, 3, 8, 12^3, 24^3\})$	21504
24	$\mathcal{O}(0; \{3^4, 8, 12^3, 24^3\})$	175104
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 12^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 12^3, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^2, 4, 8, 12^4, 24^3\})$	86016
24	$\mathcal{O}(0; \{8^3, 12^4, 24^3\})$	688128
24	$\mathcal{O}(0; \{6, 8, 12^5, 24^3\})$	348160
24	$\mathcal{O}(0; \{2^8, 3^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^4, 3^5, 24^4\})$	10880
24	$\mathcal{O}(0; \{3^8, 24^4\})$	87424
24	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^5, 4^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^9, 6, 24^4\})$	640
24	$\mathcal{O}(0; \{2^5, 3^3, 6, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 3^6, 6, 24^4\})$	43648
24	$\mathcal{O}(0; \{2^6, 4^2, 6, 24^4\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 24^4\})$	22016
24	$\mathcal{O}(0; \{2^3, 4^4, 6, 24^4\})$	10240
24	$\mathcal{O}(0; \{4^6, 6, 24^4\})$	40960
24	$\mathcal{O}(0; \{2^6, 3, 6^2, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{3, 4^4, 6^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 24^4\})$	10880
24	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^4, 6^4, 24^4\})$	5504
24	$\mathcal{O}(0; \{3^3, 6^4, 24^4\})$	43648
24	$\mathcal{O}(0; \{2, 4^2, 6^4, 24^4\})$	22016
24	$\mathcal{O}(0; \{2, 3, 6^5, 24^4\})$	21888

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{3^2, 4^3, 8^2, 24^4\})$	180224
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^2, 24^4\})$	20480
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^2, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^2, 24^4\})$	81920
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2, 3^2, 8^4, 24^4\})$	360448
24	$\mathcal{O}(0; \{2^2, 6, 8^4, 24^4\})$	163840
24	$\mathcal{O}(0; \{2^6, 3, 4, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 12, 24^4\})$	22528
24	$\mathcal{O}(0; \{3, 4^5, 12, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 12, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 12, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 12, 24^4\})$	43008
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{3^4, 8^2, 12, 24^4\})$	348160
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 12, 24^4\})$	180224
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^7, 12^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^3, 3^3, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^4, 4^2, 12^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{3^3, 4^2, 12^2, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 4^4, 12^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^4, 3, 6, 12^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{3^4, 6, 12^2, 24^4\})$	174592
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^2, 6^3, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12^2, 24^4\})$	180224
24	$\mathcal{O}(0; \{8^4, 12^2, 24^4\})$	1441792
24	$\mathcal{O}(0; \{2, 3^2, 4, 12^3, 24^4\})$	174080
24	$\mathcal{O}(0; \{2^2, 4, 6, 12^3, 24^4\})$	88064
24	$\mathcal{O}(0; \{6, 8^2, 12^3, 24^4\})$	704512
24	$\mathcal{O}(0; \{2^2, 3, 12^4, 24^4\})$	174080
24	$\mathcal{O}(0; \{6^2, 12^4, 24^4\})$	350208
24	$\mathcal{O}(0; \{4, 12^5, 24^4\})$	696320
24	$\mathcal{O}(0; \{2^7, 8, 24^5\})$	10240
24	$\mathcal{O}(0; \{2^3, 3^3, 8, 24^5\})$	88064

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4^2, 8, 24^5\})$	40960
24	$\mathcal{O}(0; \{3^3, 4^2, 8, 24^5\})$	352256
24	$\mathcal{O}(0; \{2, 4^4, 8, 24^5\})$	163840
24	$\mathcal{O}(0; \{2^4, 3, 6, 8, 24^5\})$	43008
24	$\mathcal{O}(0; \{3^4, 6, 8, 24^5\})$	350208
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8, 24^5\})$	172032
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2^2, 6^3, 8, 24^5\})$	88064
24	$\mathcal{O}(0; \{2^2, 4, 8^3, 24^5\})$	327680
24	$\mathcal{O}(0; \{8^5, 24^5\})$	2621440
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 12, 24^5\})$	352256
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 12, 24^5\})$	172032
24	$\mathcal{O}(0; \{6, 8^3, 12, 24^5\})$	1376256
24	$\mathcal{O}(0; \{2^2, 3, 8, 12^2, 24^5\})$	352256
24	$\mathcal{O}(0; \{6^2, 8, 12^2, 24^5\})$	696320
24	$\mathcal{O}(0; \{4, 8, 12^3, 24^5\})$	1409024
24	$\mathcal{O}(0; \{2^4, 3, 4, 24^6\})$	86016
24	$\mathcal{O}(0; \{3^4, 4, 24^6\})$	700416
24	$\mathcal{O}(0; \{2, 3, 4^3, 24^6\})$	344064
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 24^6\})$	176128
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 24^6\})$	688128
24	$\mathcal{O}(0; \{6^2, 8^2, 24^6\})$	1409024
24	$\mathcal{O}(0; \{2^5, 12, 24^6\})$	86016
24	$\mathcal{O}(0; \{2, 3^3, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{2^2, 4^2, 12, 24^6\})$	344064
24	$\mathcal{O}(0; \{2^2, 3, 6, 12, 24^6\})$	348160
24	$\mathcal{O}(0; \{6^3, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{4, 8^2, 12, 24^6\})$	2752512
24	$\mathcal{O}(0; \{4, 6, 12^2, 24^6\})$	1392640
24	$\mathcal{O}(0; \{3, 12^3, 24^6\})$	2801664
24	$\mathcal{O}(0; \{4, 6, 8, 24^7\})$	2818048
24	$\mathcal{O}(0; \{3, 8, 12, 24^7\})$	5570560
24	$\mathcal{O}(0; \{2^3, 24^8\})$	1409024
24	$\mathcal{O}(0; \{4^2, 24^8\})$	5636096
24	$\mathcal{O}(0; \{3, 6, 24^8\})$	5603328
25	$\mathcal{O}(3; \{25^3\})$	73242187500
25	$\mathcal{O}(1; \{5^5, 25^3\})$	192000000
26	$\mathcal{O}(2; \{13^5\})$	8199863100
26	$\mathcal{O}(1; \{2^4, 13^5\})$	12938640
26	$\mathcal{O}(1; \{2^2, 13^4, 26^2\})$	155271792
26	$\mathcal{O}(1; \{13^3, 26^4\})$	1863253392
26	$\mathcal{O}(0; \{2^8, 13^5\})$	19140

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
26	$\mathcal{O}(0; \{2^6, 13^4, 26^2\})$	229692
26	$\mathcal{O}(0; \{2^4, 13^3, 26^4\})$	2756292
26	$\mathcal{O}(0; \{2^2, 13^2, 26^6\})$	33075516
26	$\mathcal{O}(0; \{13, 26^8\})$	396906180
27	$\mathcal{O}(2; \{3, 9^2, 27^2\})$	688747536
27	$\mathcal{O}(1; \{3^4, 9^2, 27^2\})$	7558272
27	$\mathcal{O}(1; \{9^5, 27^2\})$	102036672
27	$\mathcal{O}(1; \{3, 9, 27^5\})$	573956280
27	$\mathcal{O}(0; \{3^7, 9^2, 27^2\})$	82944
27	$\mathcal{O}(0; \{3^3, 9^5, 27^2\})$	1119744
27	$\mathcal{O}(0; \{3^4, 9, 27^5\})$	6298560
27	$\mathcal{O}(0; \{9^4, 27^5\})$	85030560
27	$\mathcal{O}(0; \{3, 27^8\})$	822670668
28	$\mathcal{O}(2; \{2^3, 7^2, 14\})$	17287200
28	$\mathcal{O}(2; \{4^2, 7^2, 14\})$	36879360
28	$\mathcal{O}(2; \{2, 7, 14^3\})$	107180640
28	$\mathcal{O}(2; \{2^3, 4, 14, 28\})$	7375872
28	$\mathcal{O}(2; \{4^3, 14, 28\})$	29503488
28	$\mathcal{O}(2; \{2, 7^2, 28^2\})$	228652032
28	$\mathcal{O}(2; \{2, 4, 28^3\})$	147517440
28	$\mathcal{O}(1; \{2^2, 7^6\})$	3919608
28	$\mathcal{O}(1; \{2^7, 7^2, 14\})$	17640
28	$\mathcal{O}(1; \{2^4, 4^2, 7^2, 14\})$	47040
28	$\mathcal{O}(1; \{2, 4^4, 7^2, 14\})$	188160
28	$\mathcal{O}(1; \{7^5, 14^2\})$	23514120
28	$\mathcal{O}(1; \{2^5, 7, 14^3\})$	109368
28	$\mathcal{O}(1; \{2^2, 4^2, 7, 14^3\})$	291648
28	$\mathcal{O}(1; \{2^3, 14^5\})$	652680
28	$\mathcal{O}(1; \{4^2, 14^5\})$	1740480
28	$\mathcal{O}(1; \{2^2, 4, 7^4, 28\})$	1740480
28	$\mathcal{O}(1; \{2^7, 4, 14, 28\})$	9408
28	$\mathcal{O}(1; \{2^4, 4^3, 14, 28\})$	37632
28	$\mathcal{O}(1; \{2, 4^5, 14, 28\})$	150528
28	$\mathcal{O}(1; \{4, 7^3, 14^2, 28\})$	10452288
28	$\mathcal{O}(1; \{2^5, 7^2, 28^2\})$	291648
28	$\mathcal{O}(1; \{2^2, 4^2, 7^2, 28^2\})$	1166592
28	$\mathcal{O}(1; \{2^3, 7, 14^2, 28^2\})$	1740480
28	$\mathcal{O}(1; \{4^2, 7, 14^2, 28^2\})$	6961920
28	$\mathcal{O}(1; \{2, 14^4, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2^5, 4, 28^3\})$	188160
28	$\mathcal{O}(1; \{2^2, 4^3, 28^3\})$	752640
28	$\mathcal{O}(1; \{2, 7, 14, 28^4\})$	41809152
28	$\mathcal{O}(0; \{2^3, 4^2, 7^6\})$	13332

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{4^4, 7^6\})$	53328
28	$\mathcal{O}(0; \{2^8, 4^2, 7^2, 14\})$	60
28	$\mathcal{O}(0; \{2^5, 4^4, 7^2, 14\})$	240
28	$\mathcal{O}(0; \{2^2, 4^6, 7^2, 14\})$	960
28	$\mathcal{O}(0; \{2, 4^2, 7^5, 14^2\})$	79980
28	$\mathcal{O}(0; \{2^6, 4^2, 7, 14^3\})$	372
28	$\mathcal{O}(0; \{2^3, 4^4, 7, 14^3\})$	1488
28	$\mathcal{O}(0; \{4^6, 7, 14^3\})$	5952
28	$\mathcal{O}(0; \{2^4, 4^2, 14^5\})$	2220
28	$\mathcal{O}(0; \{2, 4^4, 14^5\})$	8880
28	$\mathcal{O}(0; \{2^6, 4, 7^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^3, 4^3, 7^4, 28\})$	8880
28	$\mathcal{O}(0; \{4^5, 7^4, 28\})$	35520
28	$\mathcal{O}(0; \{2^{11}, 4, 14, 28\})$	12
28	$\mathcal{O}(0; \{2^8, 4^3, 14, 28\})$	48
28	$\mathcal{O}(0; \{2^5, 4^5, 14, 28\})$	192
28	$\mathcal{O}(0; \{2^2, 4^7, 14, 28\})$	768
28	$\mathcal{O}(0; \{2^4, 4, 7^3, 14^2, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 7^3, 14^2, 28\})$	53328
28	$\mathcal{O}(0; \{2^2, 4, 7^2, 14^4, 28\})$	79980
28	$\mathcal{O}(0; \{4, 7, 14^6, 28\})$	479892
28	$\mathcal{O}(0; \{2^9, 7^2, 28^2\})$	372
28	$\mathcal{O}(0; \{2^6, 4^2, 7^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^3, 4^4, 7^2, 28^2\})$	5952
28	$\mathcal{O}(0; \{4^6, 7^2, 28^2\})$	23808
28	$\mathcal{O}(0; \{2^2, 7^5, 14, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^7, 7, 14^2, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^4, 4^2, 7, 14^2, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 4^4, 7, 14^2, 28^2\})$	35520
28	$\mathcal{O}(0; \{7^4, 14^3, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^5, 14^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4^2, 14^4, 28^2\})$	53328
28	$\mathcal{O}(0; \{2^9, 4, 28^3\})$	240
28	$\mathcal{O}(0; \{2^6, 4^3, 28^3\})$	960
28	$\mathcal{O}(0; \{2^3, 4^5, 28^3\})$	3840
28	$\mathcal{O}(0; \{4^7, 28^3\})$	15360
28	$\mathcal{O}(0; \{2^2, 4, 7^3, 14, 28^3\})$	319920
28	$\mathcal{O}(0; \{4, 7^2, 14^3, 28^3\})$	1919568
28	$\mathcal{O}(0; \{7^5, 28^4\})$	11517360
28	$\mathcal{O}(0; \{2^5, 7, 14, 28^4\})$	53328
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14, 28^4\})$	213312
28	$\mathcal{O}(0; \{2^3, 14^3, 28^4\})$	319920
28	$\mathcal{O}(0; \{4^2, 14^3, 28^4\})$	1279680

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{4, 7^3, 28^3\})$	7678272
28	$\mathcal{O}(0; \{2^3, 7, 28^6\})$	1279680
28	$\mathcal{O}(0; \{4^2, 7, 28^6\})$	5118720
28	$\mathcal{O}(0; \{2, 14^2, 28^6\})$	7678272
29	$\mathcal{O}(3; \{29^2\})$	16655052988
30	$\mathcal{O}(2; \{3^2, 5^3\})$	18225000
30	$\mathcal{O}(2; \{3^3, 5, 15\})$	18225000
30	$\mathcal{O}(2; \{2, 3, 5, 6, 15\})$	6480000
30	$\mathcal{O}(2; \{15^4\})$	236925000
30	$\mathcal{O}(2; \{2, 3, 5^2, 30\})$	19440000
30	$\mathcal{O}(2; \{2, 3^2, 15, 30\})$	19440000
30	$\mathcal{O}(2; \{2^2, 6, 15, 30\})$	6480000
30	$\mathcal{O}(2; \{10, 15^2, 30\})$	84240000
30	$\mathcal{O}(2; \{2^2, 5, 30^2\})$	19440000
30	$\mathcal{O}(2; \{10^2, 30^2\})$	84240000
30	$\mathcal{O}(2; \{6, 30^3\})$	58320000
30	$\mathcal{O}(1; \{2^4, 3^2, 5^3\})$	21600
30	$\mathcal{O}(1; \{3^5, 5^3\})$	81000
30	$\mathcal{O}(1; \{2, 3^3, 5^3, 6\})$	64800
30	$\mathcal{O}(1; \{2^2, 3, 5^3, 6^2\})$	21600
30	$\mathcal{O}(1; \{5^3, 6^4\})$	64800
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 10^2\})$	93600
30	$\mathcal{O}(1; \{3, 5^2, 6^2, 10^2\})$	93600
30	$\mathcal{O}(1; \{3^2, 5, 10^4\})$	367200
30	$\mathcal{O}(1; \{2^4, 3^3, 5, 15\})$	21600
30	$\mathcal{O}(1; \{3^6, 5, 15\})$	113400
30	$\mathcal{O}(1; \{2^5, 3, 5, 6, 15\})$	7200
30	$\mathcal{O}(1; \{2, 3^4, 5, 6, 15\})$	79200
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 6^2, 15\})$	36000
30	$\mathcal{O}(1; \{2^3, 5, 6^3, 15\})$	21600
30	$\mathcal{O}(1; \{3, 5, 6^4, 15\})$	79200
30	$\mathcal{O}(1; \{3, 5^3, 6, 10, 15\})$	367200
30	$\mathcal{O}(1; \{2^2, 3^3, 10^2, 15\})$	64800
30	$\mathcal{O}(1; \{2^3, 3, 6, 10^2, 15\})$	21600
30	$\mathcal{O}(1; \{3^2, 6^2, 10^2, 15\})$	108000
30	$\mathcal{O}(1; \{2, 6^3, 10^2, 15\})$	64800
30	$\mathcal{O}(1; \{3, 5^4, 15^2\})$	1107000
30	$\mathcal{O}(1; \{2^3, 3, 5, 10, 15^2\})$	93600
30	$\mathcal{O}(1; \{3^2, 5, 6, 10, 15^2\})$	468000
30	$\mathcal{O}(1; \{2, 5, 6^2, 10, 15^2\})$	280800
30	$\mathcal{O}(1; \{2, 3, 10^3, 15^2\})$	367200
30	$\mathcal{O}(1; \{3^2, 5^2, 15^3\})$	1377000
30	$\mathcal{O}(1; \{2, 5^2, 6, 15^3\})$	1101600

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^4, 15^4\})$	280800
30	$\mathcal{O}(1; \{3^3, 15^4\})$	1474200
30	$\mathcal{O}(1; \{2, 3, 6, 15^4\})$	1029600
30	$\mathcal{O}(1; \{2^5, 3, 5^2, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 5^2, 30\})$	108000
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 6, 30\})$	64800
30	$\mathcal{O}(1; \{2^3, 5^2, 6^2, 30\})$	21600
30	$\mathcal{O}(1; \{3, 5^2, 6^3, 30\})$	108000
30	$\mathcal{O}(1; \{3, 5^4, 10, 30\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 5, 10^2, 30\})$	93600
30	$\mathcal{O}(1; \{3^2, 5, 6, 10^2, 30\})$	280800
30	$\mathcal{O}(1; \{2, 5, 6^2, 10^2, 30\})$	93600
30	$\mathcal{O}(1; \{2, 3, 10^4, 30\})$	367200
30	$\mathcal{O}(1; \{2^5, 3^2, 15, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^5, 15, 30\})$	151200
30	$\mathcal{O}(1; \{2^6, 6, 15, 30\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^3, 6, 15, 30\})$	79200
30	$\mathcal{O}(1; \{2^3, 3, 6^2, 15, 30\})$	36000
30	$\mathcal{O}(1; \{3^2, 6^3, 15, 30\})$	151200
30	$\mathcal{O}(1; \{2, 6^4, 15, 30\})$	79200
30	$\mathcal{O}(1; \{3^2, 5^2, 10, 15, 30\})$	1101600
30	$\mathcal{O}(1; \{2, 5^2, 6, 10, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2, 5^3, 15^2, 30\})$	1476000
30	$\mathcal{O}(1; \{2^4, 10, 15^2, 30\})$	93600
30	$\mathcal{O}(1; \{3^3, 10, 15^2, 30\})$	1029600
30	$\mathcal{O}(1; \{2, 3, 6, 10, 15^2, 30\})$	468000
30	$\mathcal{O}(1; \{2, 3, 5, 15^3, 30\})$	1836000
30	$\mathcal{O}(1; \{2^6, 5, 30^2\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 5, 30^2\})$	108000
30	$\mathcal{O}(1; \{2^3, 3, 5, 6, 30^2\})$	64800
30	$\mathcal{O}(1; \{3^2, 5, 6^2, 30^2\})$	237600
30	$\mathcal{O}(1; \{2, 5, 6^3, 30^2\})$	108000
30	$\mathcal{O}(1; \{2, 5^3, 10, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2^4, 10^2, 30^2\})$	93600
30	$\mathcal{O}(1; \{3^3, 10^2, 30^2\})$	468000
30	$\mathcal{O}(1; \{2, 3, 6, 10^2, 30^2\})$	280800
30	$\mathcal{O}(1; \{2, 3, 5, 10, 15, 30^2\})$	1101600
30	$\mathcal{O}(1; \{2^2, 15^3, 30^2\})$	1836000
30	$\mathcal{O}(1; \{2^3, 3^2, 30^3\})$	108000
30	$\mathcal{O}(1; \{2^4, 6, 30^3\})$	64800
30	$\mathcal{O}(1; \{3^3, 6, 30^3\})$	453600
30	$\mathcal{O}(1; \{2, 3, 6^2, 30^3\})$	237600
30	$\mathcal{O}(1; \{2^2, 10, 15, 30^3\})$	1101600

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{15^2, 30^4\})$	16236000
30	$\mathcal{O}(1; \{10, 30^5\})$	7380000
30	$\mathcal{O}(0; \{2^8, 3^2, 5^3\})$	24
30	$\mathcal{O}(0; \{2^4, 3^5, 5^3\})$	120
30	$\mathcal{O}(0; \{2^5, 3^3, 5^3, 6\})$	72
30	$\mathcal{O}(0; \{2, 3^6, 5^3, 6\})$	504
30	$\mathcal{O}(0; \{2^6, 3, 5^3, 6^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 6^2\})$	264
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6^3\})$	120
30	$\mathcal{O}(0; \{2^4, 5^3, 6^4\})$	72
30	$\mathcal{O}(0; \{3^3, 5^3, 6^4\})$	504
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^5\})$	264
30	$\mathcal{O}(0; \{2^3, 3^2, 5^5, 10\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^5, 6, 10\})$	4920
30	$\mathcal{O}(0; \{2, 3, 5^5, 6^2, 10\})$	1640
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 10^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 10^2\})$	520
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6, 10^2\})$	312
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^2, 10^2\})$	104
30	$\mathcal{O}(0; \{3^4, 5^2, 6^2, 10^2\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^3, 10^2\})$	520
30	$\mathcal{O}(0; \{2^2, 5^2, 6^4, 10^2\})$	312
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 10^3\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10^4\})$	408
30	$\mathcal{O}(0; \{3^5, 5, 10^4\})$	2040
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10^4\})$	1224
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10^4\})$	408
30	$\mathcal{O}(0; \{5, 6^4, 10^4\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^2, 10^6\})$	1640
30	$\mathcal{O}(0; \{3, 6^2, 10^6\})$	1640
30	$\mathcal{O}(0; \{2^8, 3^3, 5, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3^6, 5, 15\})$	168
30	$\mathcal{O}(0; \{2^9, 3, 5, 6, 15\})$	8
30	$\mathcal{O}(0; \{2^5, 3^4, 5, 6, 15\})$	88
30	$\mathcal{O}(0; \{2, 3^7, 5, 6, 15\})$	680
30	$\mathcal{O}(0; \{2, 3, 5^6, 6, 15\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 6^2, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 6^2, 15\})$	344
30	$\mathcal{O}(0; \{2^7, 5, 6^3, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6^3, 15\})$	168
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^4, 15\})$	88
30	$\mathcal{O}(0; \{3^4, 5, 6^4, 15\})$	680
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^5, 15\})$	344

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 5, 6^6, 15\})$	168
30	$\mathcal{O}(0; \{2^3, 3^3, 5^3, 10, 15\})$	1224
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 6, 10, 15\})$	408
30	$\mathcal{O}(0; \{3^4, 5^3, 6, 10, 15\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6^2, 10, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^3, 6^3, 10, 15\})$	1224
30	$\mathcal{O}(0; \{2^6, 3^3, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 3^6, 10^2, 15\})$	504
30	$\mathcal{O}(0; \{2^7, 3, 6, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^4, 6, 10^2, 15\})$	264
30	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 10^2, 15\})$	120
30	$\mathcal{O}(0; \{3^5, 6^2, 10^2, 15\})$	1032
30	$\mathcal{O}(0; \{2^5, 6^3, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2, 3^3, 6^3, 10^2, 15\})$	504
30	$\mathcal{O}(0; \{2^2, 3, 6^4, 10^2, 15\})$	264
30	$\mathcal{O}(0; \{6^6, 10^2, 15\})$	504
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10^3, 15\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10^3, 15\})$	1640
30	$\mathcal{O}(0; \{5^2, 6^3, 10^3, 15\})$	4920
30	$\mathcal{O}(0; \{3, 5, 6, 10^5, 15\})$	6552
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 15^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 5^4, 6^2, 15^2\})$	4920
30	$\mathcal{O}(0; \{2^7, 3, 5, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 10, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 10, 15^2\})$	520
30	$\mathcal{O}(0; \{3^5, 5, 6, 10, 15^2\})$	4472
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 10, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 10, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 10, 15^2\})$	1144
30	$\mathcal{O}(0; \{5, 6^5, 10, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10^2, 15^2\})$	6552
30	$\mathcal{O}(0; \{5^3, 6^2, 10^2, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^5, 3, 10^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 10^3, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^3, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 6^2, 10^3, 15^2\})$	1224
30	$\mathcal{O}(0; \{3, 6^3, 10^3, 15^2\})$	4488
30	$\mathcal{O}(0; \{3, 5^2, 10^4, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^5, 5^2, 6, 15^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6, 15^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2, 15^3\})$	4488

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5^2, 6^4, 15^3\})$	8568
30	$\mathcal{O}(0; \{5^4, 6, 10, 15^3\})$	78648
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^2, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^3, 5, 6, 10^2, 15^3\})$	4920
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^2, 15^3\})$	18040
30	$\mathcal{O}(0; \{3^2, 10^4, 15^3\})$	32760
30	$\mathcal{O}(0; \{2, 6, 10^4, 15^3\})$	19656
30	$\mathcal{O}(0; \{2^8, 15^4\})$	312
30	$\mathcal{O}(0; \{2^4, 3^3, 15^4\})$	2184
30	$\mathcal{O}(0; \{2^5, 3, 6, 15^4\})$	1144
30	$\mathcal{O}(0; \{2, 3^4, 6, 15^4\})$	8840
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 15^4\})$	4472
30	$\mathcal{O}(0; \{2^3, 6^3, 15^4\})$	2184
30	$\mathcal{O}(0; \{3, 6^4, 15^4\})$	8840
30	$\mathcal{O}(0; \{2^3, 5^2, 10, 15^4\})$	19656
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 15^4\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10^3, 15^4\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 10, 15^5\})$	18040
30	$\mathcal{O}(0; \{3^2, 6, 10, 15^5\})$	70520
30	$\mathcal{O}(0; \{2, 6^2, 10, 15^5\})$	34440
30	$\mathcal{O}(0; \{2, 5, 6, 15^6\})$	137592
30	$\mathcal{O}(0; \{2^9, 3, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{2^5, 3^4, 5^2, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^7, 5^2, 30\})$	1032
30	$\mathcal{O}(0; \{2, 3, 5^7, 30\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 6, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 6, 30\})$	504
30	$\mathcal{O}(0; \{2^7, 5^2, 6^2, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6^2, 30\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^3, 30\})$	120
30	$\mathcal{O}(0; \{3^4, 5^2, 6^3, 30\})$	1032
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^4, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 5^2, 6^5, 30\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 10, 30\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^4, 10, 30\})$	8200
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6, 10, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 5^4, 6^2, 10, 30\})$	1640
30	$\mathcal{O}(0; \{2^7, 3, 5, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 10^2, 30\})$	520
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 10^2, 30\})$	312
30	$\mathcal{O}(0; \{3^5, 5, 6, 10^2, 30\})$	2184
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 10^2, 30\})$	1144

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 10^2, 30\})$	520
30	$\mathcal{O}(0; \{5, 6^5, 10^2, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10^3, 30\})$	6552
30	$\mathcal{O}(0; \{5^3, 6^2, 10^3, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 10^4, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^4, 30\})$	1224
30	$\mathcal{O}(0; \{2^3, 6^2, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{3, 6^3, 10^4, 30\})$	2040
30	$\mathcal{O}(0; \{3, 5^2, 10^5, 30\})$	26216
30	$\mathcal{O}(0; \{2^9, 3^2, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^5, 3^5, 15, 30\})$	168
30	$\mathcal{O}(0; \{2, 3^8, 15, 30\})$	1368
30	$\mathcal{O}(0; \{2, 3^2, 5^5, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2^{10}, 6, 15, 30\})$	8
30	$\mathcal{O}(0; \{2^6, 3^3, 6, 15, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 3^6, 6, 15, 30\})$	680
30	$\mathcal{O}(0; \{2^2, 5^5, 6, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^7, 3, 6^2, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 15, 30\})$	344
30	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 15, 30\})$	168
30	$\mathcal{O}(0; \{3^5, 6^3, 15, 30\})$	1368
30	$\mathcal{O}(0; \{2^5, 6^4, 15, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^3, 6^4, 15, 30\})$	680
30	$\mathcal{O}(0; \{2^2, 3, 6^5, 15, 30\})$	344
30	$\mathcal{O}(0; \{6^7, 15, 30\})$	680
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 10, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3^5, 5^2, 10, 15, 30\})$	8568
30	$\mathcal{O}(0; \{2^5, 5^2, 6, 10, 15, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6, 10, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2, 10, 15, 30\})$	2040
30	$\mathcal{O}(0; \{5^2, 6^4, 10, 15, 30\})$	4488
30	$\mathcal{O}(0; \{5^4, 6, 10^2, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^3, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^3, 5, 6, 10^3, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^3, 15, 30\})$	8200
30	$\mathcal{O}(0; \{3^2, 10^5, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2, 6, 10^5, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^5, 5^3, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{5^3, 6^3, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2^8, 10, 15^2, 30\})$	104

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 3^3, 10, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{3^6, 10, 15^2, 30\})$	8840
30	$\mathcal{O}(0; \{5^5, 10, 15^2, 30\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 6, 10, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 3^4, 6, 10, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{2^3, 6^3, 10, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{3, 6^4, 10, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2^3, 5^2, 10^2, 15^2, 30\})$	6552
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^2, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2, 5, 10^4, 15^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{2, 3^4, 5, 15^3, 30\})$	17544
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 15^3, 30\})$	8568
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 15^3, 30\})$	4488
30	$\mathcal{O}(0; \{3, 5, 6^3, 15^3, 30\})$	17544
30	$\mathcal{O}(0; \{3, 5^3, 10, 15^3, 30\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 10^2, 15^3, 30\})$	8200
30	$\mathcal{O}(0; \{3^2, 6, 10^2, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{2, 6^2, 10^2, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 10, 15^4, 30\})$	137592
30	$\mathcal{O}(0; \{2, 5, 6, 10, 15^4, 30\})$	72072
30	$\mathcal{O}(0; \{2, 5^2, 15^5, 30\})$	288376
30	$\mathcal{O}(0; \{2, 3, 15^6, 30\})$	281736
30	$\mathcal{O}(0; \{2^{10}, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{2^6, 3^3, 5, 30^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3^6, 5, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 5^6, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 5, 6, 30^2\})$	72
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 6, 30^2\})$	504
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6^2, 30^2\})$	264
30	$\mathcal{O}(0; \{3^5, 5, 6^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^5, 5, 6^3, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^3, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^4, 30^2\})$	504
30	$\mathcal{O}(0; \{5, 6^6, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^5, 5^3, 10, 30^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 10, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 10, 30^2\})$	4920
30	$\mathcal{O}(0; \{5^3, 6^3, 10, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^8, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 10^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3^6, 10^2, 30^2\})$	4472

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5^5, 10^2, 30^2\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 6, 10^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 3^4, 6, 10^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^3, 6^3, 10^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3, 6^4, 10^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^3, 5^2, 10^3, 30^2\})$	6552
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^3, 30^2\})$	19656
30	$\mathcal{O}(0; \{2, 5, 10^5, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{5^4, 6^2, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^5, 3, 5, 10, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{2, 3^4, 5, 10, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 10, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{3, 5, 6^3, 10, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{3, 5^3, 10^2, 15, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 10^3, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{3^2, 6, 10^3, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 6^2, 10^3, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 15^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 15^2, 30^2\})$	34440
30	$\mathcal{O}(0; \{3^2, 5, 10^2, 15^2, 30^2\})$	72072
30	$\mathcal{O}(0; \{2, 5, 6, 10^2, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^6, 15^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^3, 15^3, 30^2\})$	17544
30	$\mathcal{O}(0; \{2^3, 3, 6, 15^3, 30^2\})$	8568
30	$\mathcal{O}(0; \{3^2, 6^2, 15^3, 30^2\})$	34680
30	$\mathcal{O}(0; \{2, 6^3, 15^3, 30^2\})$	17544
30	$\mathcal{O}(0; \{2, 5^2, 10, 15^3, 30^2\})$	131080
30	$\mathcal{O}(0; \{2, 3, 10, 15^4, 30^2\})$	137592
30	$\mathcal{O}(0; \{2^7, 3^2, 30^3\})$	120
30	$\mathcal{O}(0; \{2^3, 3^5, 30^3\})$	1032
30	$\mathcal{O}(0; \{2^8, 6, 30^3\})$	72
30	$\mathcal{O}(0; \{2^4, 3^3, 6, 30^3\})$	504
30	$\mathcal{O}(0; \{3^6, 6, 30^3\})$	4104
30	$\mathcal{O}(0; \{5^5, 6, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^5, 3, 6^2, 30^3\})$	264
30	$\mathcal{O}(0; \{2, 3^4, 6^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 30^3\})$	1032
30	$\mathcal{O}(0; \{2^3, 6^4, 30^3\})$	504
30	$\mathcal{O}(0; \{3, 6^5, 30^3\})$	2040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 10, 30^3\})$	4920
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10, 30^3\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 10^3, 30^3\})$	32760
30	$\mathcal{O}(0; \{2, 5, 6, 10^3, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^3, 5^3, 15, 30^3\})$	19656
30	$\mathcal{O}(0; \{3, 5^3, 6, 15, 30^3\})$	72072
30	$\mathcal{O}(0; \{2^6, 10, 15, 30^3\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^3, 10, 15, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^3, 3, 6, 10, 15, 30^3\})$	4488
30	$\mathcal{O}(0; \{3^2, 6^2, 10, 15, 30^3\})$	17544
30	$\mathcal{O}(0; \{2, 6^3, 10, 15, 30^3\})$	8568
30	$\mathcal{O}(0; \{2, 5^2, 10^2, 15, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^3, 3, 5, 15^2, 30^3\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 6, 15^2, 30^3\})$	70520
30	$\mathcal{O}(0; \{2, 5, 6^2, 15^2, 30^3\})$	34440
30	$\mathcal{O}(0; \{2, 3, 10^2, 15^2, 30^3\})$	72072
30	$\mathcal{O}(0; \{3, 5^4, 30^4\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 5, 10, 30^4\})$	8200
30	$\mathcal{O}(0; \{3^2, 5, 6, 10, 30^4\})$	34440
30	$\mathcal{O}(0; \{2, 5, 6^2, 10, 30^4\})$	18040
30	$\mathcal{O}(0; \{2, 3, 10^3, 30^4\})$	32760
30	$\mathcal{O}(0; \{3^2, 5^2, 15, 30^4\})$	137592
30	$\mathcal{O}(0; \{2, 5^2, 6, 15, 30^4\})$	72072
30	$\mathcal{O}(0; \{2^4, 15^2, 30^4\})$	18040
30	$\mathcal{O}(0; \{3^3, 15^2, 30^4\})$	139400
30	$\mathcal{O}(0; \{2, 3, 6, 15^2, 30^4\})$	70520
30	$\mathcal{O}(0; \{2, 5^3, 30^5\})$	131080
30	$\mathcal{O}(0; \{2^4, 10, 30^5\})$	8200
30	$\mathcal{O}(0; \{3^3, 10, 30^5\})$	70520
30	$\mathcal{O}(0; \{2, 3, 6, 10, 30^5\})$	34440
30	$\mathcal{O}(0; \{2, 3, 5, 15, 30^5\})$	137592
30	$\mathcal{O}(0; \{2^2, 15, 30^6\})$	137592
30	$\mathcal{O}(0; \{30^8\})$	1127288
32	$\mathcal{O}(2; \{2^3, 16^2\})$	7864320
32	$\mathcal{O}(2; \{4^2, 16^2\})$	31457280
32	$\mathcal{O}(2; \{2, 16, 32^2\})$	134217728
32	$\mathcal{O}(1; \{2^7, 16^2\})$	6144
32	$\mathcal{O}(1; \{2^4, 4^2, 16^2\})$	24576
32	$\mathcal{O}(1; \{2, 4^4, 16^2\})$	98304
32	$\mathcal{O}(1; \{2^2, 4, 8^2, 16^2\})$	196608
32	$\mathcal{O}(1; \{8^4, 16^2\})$	1572864
32	$\mathcal{O}(1; \{4, 8, 16^4\})$	3145728

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(1; \{2^5, 16, 32^2\})$	131072
32	$\mathcal{O}(1; \{2^2, 4^2, 16, 32^2\})$	524288
32	$\mathcal{O}(1; \{4, 8^2, 16, 32^2\})$	4194304
32	$\mathcal{O}(1; \{2^3, 32^4\})$	4194304
32	$\mathcal{O}(1; \{4^2, 32^4\})$	16777216
32	$\mathcal{O}(0; \{2^9, 16, 32^2\})$	128
32	$\mathcal{O}(0; \{2^6, 4^2, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{2^3, 4^4, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{4^6, 16, 32^2\})$	8192
32	$\mathcal{O}(0; \{2^4, 4, 8^2, 16, 32^2\})$	4096
32	$\mathcal{O}(0; \{2, 4^3, 8^2, 16, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^2, 8^4, 16, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^2, 4, 8, 16^3, 32^2\})$	65536
32	$\mathcal{O}(0; \{8^3, 16^3, 32^2\})$	524288
32	$\mathcal{O}(0; \{4, 16^5, 32^2\})$	1048576
32	$\mathcal{O}(0; \{2^7, 32^4\})$	4096
32	$\mathcal{O}(0; \{2^4, 4^2, 32^4\})$	16384
32	$\mathcal{O}(0; \{2, 4^4, 32^4\})$	65536
32	$\mathcal{O}(0; \{2^2, 4, 8^2, 32^4\})$	131072
32	$\mathcal{O}(0; \{8^4, 32^4\})$	1048576
32	$\mathcal{O}(0; \{4, 8, 16^2, 32^4\})$	2097152
33	$\mathcal{O}(2; \{3^2, 11, 33\})$	23718420
33	$\mathcal{O}(1; \{3^5, 11, 33\})$	239580
33	$\mathcal{O}(1; \{3^2, 33^4\})$	21801780
33	$\mathcal{O}(0; \{3^4, 11^5\})$	54540
33	$\mathcal{O}(0; \{3^8, 11, 33\})$	1700
33	$\mathcal{O}(0; \{3, 11^4, 33^3\})$	5454540
33	$\mathcal{O}(0; \{3^5, 33^4\})$	154700
35	$\mathcal{O}(2; \{35^3\})$	540225000
35	$\mathcal{O}(1; \{5^4, 7^2\})$	382200
35	$\mathcal{O}(0; \{5, 7^6, 35\})$	159960
35	$\mathcal{O}(0; \{5^3, 7^3, 35^2\})$	226440
35	$\mathcal{O}(0; \{5^5, 35^3\})$	393240
36	$\mathcal{O}(2; \{2^2, 9^2\})$	9447840
36	$\mathcal{O}(2; \{9, 18^2\})$	28343520
36	$\mathcal{O}(2; \{9, 12, 36\})$	40310784
36	$\mathcal{O}(2; \{6, 36^2\})$	40310784
36	$\mathcal{O}(1; \{2^6, 9^2\})$	5832
36	$\mathcal{O}(1; \{2^2, 3^3, 9^2\})$	46656
36	$\mathcal{O}(1; \{2^3, 4^2, 9^2\})$	15552
36	$\mathcal{O}(1; \{4^4, 9^2\})$	62208
36	$\mathcal{O}(1; \{2^3, 3, 6, 9^2\})$	23328
36	$\mathcal{O}(1; \{3, 4^2, 6, 9^2\})$	62208

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{3^2, 6^2, 9^2\})$	93312
36	$\mathcal{O}(1; \{2, 6^3, 9^2\})$	46656
36	$\mathcal{O}(1; \{3^2, 4, 9^2, 12\})$	124416
36	$\mathcal{O}(1; \{2, 4, 6, 9^2, 12\})$	62208
36	$\mathcal{O}(1; \{2, 3, 9^2, 12^2\})$	124416
36	$\mathcal{O}(1; \{2, 3, 9^3, 18\})$	314928
36	$\mathcal{O}(1; \{2^4, 9, 18^2\})$	17496
36	$\mathcal{O}(1; \{3^3, 9, 18^2\})$	139968
36	$\mathcal{O}(1; \{2, 4^2, 9, 18^2\})$	46656
36	$\mathcal{O}(1; \{2, 3, 6, 9, 18^2\})$	69984
36	$\mathcal{O}(1; \{2^2, 18^4\})$	157464
36	$\mathcal{O}(1; \{2^3, 3, 4, 9, 36\})$	31104
36	$\mathcal{O}(1; \{3, 4^3, 9, 36\})$	124416
36	$\mathcal{O}(1; \{3^2, 4, 6, 9, 36\})$	124416
36	$\mathcal{O}(1; \{2, 4, 6^2, 9, 36\})$	62208
36	$\mathcal{O}(1; \{2^4, 9, 12, 36\})$	31104
36	$\mathcal{O}(1; \{3^3, 9, 12, 36\})$	248832
36	$\mathcal{O}(1; \{2, 4^2, 9, 12, 36\})$	124416
36	$\mathcal{O}(1; \{2, 3, 6, 9, 12, 36\})$	124416
36	$\mathcal{O}(1; \{2, 3, 4, 18^2, 36\})$	93312
36	$\mathcal{O}(1; \{2^2, 12, 18^2, 36\})$	93312
36	$\mathcal{O}(1; \{2^3, 3^2, 36^2\})$	62208
36	$\mathcal{O}(1; \{3^2, 4^2, 36^2\})$	248832
36	$\mathcal{O}(1; \{2^4, 6, 36^2\})$	31104
36	$\mathcal{O}(1; \{3^3, 6, 36^2\})$	248832
36	$\mathcal{O}(1; \{2, 4^2, 6, 36^2\})$	124416
36	$\mathcal{O}(1; \{2, 3, 6^2, 36^2\})$	124416
36	$\mathcal{O}(1; \{2, 3, 4, 12, 36^2\})$	248832
36	$\mathcal{O}(1; \{2^2, 12^2, 36^2\})$	248832
36	$\mathcal{O}(1; \{2^2, 9, 18, 36^2\})$	419904
36	$\mathcal{O}(1; \{18^3, 36^2\})$	2099520
36	$\mathcal{O}(1; \{12, 18, 36^3\})$	3359232
36	$\mathcal{O}(1; \{9, 36^4\})$	8398080
36	$\mathcal{O}(0; \{2^7, 4^2, 9^2\})$	12
36	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 9^2\})$	96
36	$\mathcal{O}(0; \{2^4, 4^4, 9^2\})$	48
36	$\mathcal{O}(0; \{3^3, 4^4, 9^2\})$	384
36	$\mathcal{O}(0; \{2, 4^6, 9^2\})$	192
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 9^2\})$	48
36	$\mathcal{O}(0; \{3^4, 4^2, 6, 9^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 4^4, 6, 9^2\})$	192
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 9^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 9^2\})$	96

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{4^2, 6, 9^5\})$	3240
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3^5, 4, 9^2, 12\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2^5, 4, 6, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{4, 6^4, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{3, 4, 9^5, 12\})$	6480
36	$\mathcal{O}(0; \{2^5, 3, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2^3, 6^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{4^2, 6^2, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{3, 6^3, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2, 9^5, 12^2\})$	6480
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 12^3\})$	384
36	$\mathcal{O}(0; \{4^3, 9^2, 12^3\})$	1536
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 12^3\})$	1536
36	$\mathcal{O}(0; \{3^2, 9^2, 12^4\})$	3072
36	$\mathcal{O}(0; \{2, 6, 9^2, 12^4\})$	1536
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^3, 18\})$	648
36	$\mathcal{O}(0; \{4^2, 6^2, 9^3, 18\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 9^3, 12, 18\})$	648
36	$\mathcal{O}(0; \{4^3, 9^3, 12, 18\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6, 9^3, 12, 18\})$	2592
36	$\mathcal{O}(0; \{3^2, 9^3, 12^2, 18\})$	5184
36	$\mathcal{O}(0; \{2, 6, 9^3, 12^2, 18\})$	2592
36	$\mathcal{O}(0; \{2^5, 4^2, 9, 18^2\})$	36
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2^2, 4^4, 9, 18^2\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 9, 18^2\})$	144
36	$\mathcal{O}(0; \{4^2, 6^3, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 12, 18^2\})$	144
36	$\mathcal{O}(0; \{4^3, 6, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 9, 12^2, 18^2\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 9, 12^2, 18^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 6, 9, 12^2, 18^2\})$	1152
36	$\mathcal{O}(0; \{2, 6^2, 9, 12^2, 18^2\})$	576

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 4, 9, 12^3, 18^2\})$	1152
36	$\mathcal{O}(0; \{3, 4^2, 9^2, 18^3\})$	3240
36	$\mathcal{O}(0; \{2, 4, 9^2, 12, 18^3\})$	3240
36	$\mathcal{O}(0; \{2^3, 4^2, 18^4\})$	324
36	$\mathcal{O}(0; \{4^4, 18^4\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 18^4\})$	1296
36	$\mathcal{O}(0; \{3^2, 4, 12, 18^4\})$	2592
36	$\mathcal{O}(0; \{2, 4, 6, 12, 18^4\})$	1296
36	$\mathcal{O}(0; \{2, 3, 12^2, 18^4\})$	2592
36	$\mathcal{O}(0; \{2^7, 3, 4, 9, 36\})$	24
36	$\mathcal{O}(0; \{2^3, 3^4, 4, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^4, 3, 4^3, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^4, 4^3, 9, 36\})$	768
36	$\mathcal{O}(0; \{2, 3, 4^5, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^5, 4, 6, 9, 36\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^5, 4, 6^2, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 9, 36\})$	192
36	$\mathcal{O}(0; \{4, 6^3, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 4, 9^4, 36\})$	1620
36	$\mathcal{O}(0; \{4^3, 9^4, 36\})$	6480
36	$\mathcal{O}(0; \{3, 4, 6, 9^4, 36\})$	6480
36	$\mathcal{O}(0; \{2^8, 9, 12, 36\})$	24
36	$\mathcal{O}(0; \{2^4, 3^3, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3^6, 9, 12, 36\})$	1536
36	$\mathcal{O}(0; \{2^5, 4^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 4^4, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^5, 3, 6, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 6, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 6^3, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{4^2, 6^3, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{3, 6^4, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{3^2, 9^4, 12, 36\})$	12960
36	$\mathcal{O}(0; \{2, 6, 9^4, 12, 36\})$	6480
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 12^2, 36\})$	384
36	$\mathcal{O}(0; \{4^3, 6, 9, 12^2, 36\})$	1536

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{2^3, 3, 9, 12^3, 36\})$	768
36	$\mathcal{O}(0; \{3, 4^2, 9, 12^3, 36\})$	3072
36	$\mathcal{O}(0; \{3^2, 6, 9, 12^3, 36\})$	3072
36	$\mathcal{O}(0; \{2, 6^2, 9, 12^3, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4, 9, 12^4, 36\})$	3072
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 6, 9^2, 18, 36\})$	648
36	$\mathcal{O}(0; \{4^3, 6, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6^2, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2^3, 3, 9^2, 12, 18, 36\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 9^2, 12, 18, 36\})$	5184
36	$\mathcal{O}(0; \{3^2, 6, 9^2, 12, 18, 36\})$	5184
36	$\mathcal{O}(0; \{2, 6^2, 9^2, 12, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 9^2, 12^2, 18, 36\})$	5184
36	$\mathcal{O}(0; \{2^5, 3, 4, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^4, 4, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{4^3, 6^2, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^3, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2, 4, 9^3, 18^2, 36\})$	10692
36	$\mathcal{O}(0; \{2^6, 12, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 3^3, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 4^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{4^4, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2^3, 3, 6, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 6, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{3^2, 6^2, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 6^3, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{3^2, 4, 12^2, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{2, 4, 6, 12^2, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3, 12^3, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 9, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 6, 9, 18^3, 36\})$	3240
36	$\mathcal{O}(0; \{2, 3, 9, 12, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{2^7, 3^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^3, 3^5, 36^2\})$	384
36	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 36^2\})$	192
36	$\mathcal{O}(0; \{3^5, 4^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3^2, 4^4, 36^2\})$	768
36	$\mathcal{O}(0; \{2^8, 6, 36^2\})$	24

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^4, 3^3, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{3^6, 6, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^5, 4^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 4^4, 6, 36^2\})$	384
36	$\mathcal{O}(0; \{2^5, 3, 6^2, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 6^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 36^2\})$	384
36	$\mathcal{O}(0; \{2^3, 6^4, 36^2\})$	192
36	$\mathcal{O}(0; \{4^2, 6^4, 36^2\})$	768
36	$\mathcal{O}(0; \{3, 6^5, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 3, 9^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{3, 4^2, 9^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{3^2, 6, 9^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 6^2, 9^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^5, 3, 4, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 3^4, 4, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{4^3, 6^2, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{3, 4, 6^3, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 4, 9^3, 12, 36^2\})$	12960
36	$\mathcal{O}(0; \{2^6, 12^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3^3, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^3, 4^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{4^4, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2^3, 3, 6, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{3, 4^2, 6, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{3^2, 6^2, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 6^3, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{3^2, 4, 12^3, 36^2\})$	6144
36	$\mathcal{O}(0; \{2, 4, 6, 12^3, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 3, 12^4, 36^2\})$	6144
36	$\mathcal{O}(0; \{2^6, 9, 18, 36^2\})$	324
36	$\mathcal{O}(0; \{2^2, 3^3, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^3, 4^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{4^4, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^3, 3, 6, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{3^2, 6^2, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 6^3, 9, 18, 36^2\})$	2592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^2, 4, 9, 12, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{2, 4, 6, 9, 12, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 3, 9, 12^2, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{2, 3, 9^2, 18^2, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^4, 18^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{3^3, 18^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 4^2, 18^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 3, 6, 18^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 36^3\})$	12960
36	$\mathcal{O}(0; \{2, 3, 9^2, 12, 36^3\})$	25920
36	$\mathcal{O}(0; \{2^3, 3, 4, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{3, 4^3, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{3^2, 4, 6, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4, 6^2, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{2^4, 12, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{3^3, 12, 18, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 4^2, 12, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 3, 6, 12, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2^4, 9, 36^4\})$	6480
36	$\mathcal{O}(0; \{3^3, 9, 36^4\})$	51840
36	$\mathcal{O}(0; \{2, 4^2, 9, 36^4\})$	25920
36	$\mathcal{O}(0; \{2, 3, 6, 9, 36^4\})$	25920
36	$\mathcal{O}(0; \{2^2, 18^2, 36^4\})$	42768
36	$\mathcal{O}(0; \{2, 3, 4, 36^5\})$	51840
36	$\mathcal{O}(0; \{2^2, 12, 36^5\})$	51840
36	$\mathcal{O}(0; \{18, 36^6\})$	979776
39	$\mathcal{O}(1; \{3, 13^3, 39\})$	4855032
39	$\mathcal{O}(0; \{3^4, 13^3, 39\})$	15960
39	$\mathcal{O}(0; \{3, 13^2, 39^4\})$	2296920
40	$\mathcal{O}(1; \{2^2, 4^2, 10^2\})$	9600
40	$\mathcal{O}(1; \{4, 8^2, 10^2\})$	51200
40	$\mathcal{O}(1; \{2^2, 4, 5^2, 20\})$	28800
40	$\mathcal{O}(1; \{5^2, 8^2, 20\})$	153600
40	$\mathcal{O}(1; \{4, 5, 10^2, 20\})$	124800
40	$\mathcal{O}(1; \{5^3, 20^2\})$	489600
40	$\mathcal{O}(1; \{2^3, 10, 20^2\})$	28800
40	$\mathcal{O}(1; \{4^2, 10, 20^2\})$	115200
40	$\mathcal{O}(1; \{2, 20^4\})$	499200
40	$\mathcal{O}(1; \{4, 5, 8, 10, 40\})$	153600
40	$\mathcal{O}(1; \{2^3, 8, 20, 40\})$	51200
40	$\mathcal{O}(1; \{4^2, 8, 20, 40\})$	204800
40	$\mathcal{O}(1; \{4, 5^2, 40^2\})$	665600

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(1; \{2, 10, 20, 40^2\})$	665600
40	$\mathcal{O}(1; \{2, 8, 40^3\})$	1228800
40	$\mathcal{O}(0; \{2, 4, 5^3, 8^2, 10\})$	416
40	$\mathcal{O}(0; \{2^4, 4, 8^2, 10^2\})$	32
40	$\mathcal{O}(0; \{2, 4^3, 8^2, 10^2\})$	128
40	$\mathcal{O}(0; \{2^2, 8^4, 10^2\})$	256
40	$\mathcal{O}(0; \{2^4, 5^2, 8^2, 20\})$	96
40	$\mathcal{O}(0; \{2, 4^2, 5^2, 8^2, 20\})$	384
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 10^2, 20\})$	416
40	$\mathcal{O}(0; \{8^2, 10^4, 20\})$	1632
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 10, 20^2\})$	384
40	$\mathcal{O}(0; \{8^4, 10, 20^2\})$	3072
40	$\mathcal{O}(0; \{5, 8^2, 10, 20^3\})$	6528
40	$\mathcal{O}(0; \{4, 8^2, 20^4\})$	6656
40	$\mathcal{O}(0; \{2, 4, 5^4, 8, 40\})$	1632
40	$\mathcal{O}(0; \{2^4, 4, 5, 8, 10, 40\})$	96
40	$\mathcal{O}(0; \{2, 4^3, 5, 8, 10, 40\})$	384
40	$\mathcal{O}(0; \{2^2, 5, 8^3, 10, 40\})$	768
40	$\mathcal{O}(0; \{2^2, 4, 8, 10^3, 40\})$	416
40	$\mathcal{O}(0; \{8^3, 10^3, 40\})$	3328
40	$\mathcal{O}(0; \{2^7, 8, 20, 40\})$	32
40	$\mathcal{O}(0; \{2^4, 4^2, 8, 20, 40\})$	128
40	$\mathcal{O}(0; \{2, 4^4, 8, 20, 40\})$	512
40	$\mathcal{O}(0; \{2^2, 4, 8^3, 20, 40\})$	1024
40	$\mathcal{O}(0; \{8^5, 20, 40\})$	8192
40	$\mathcal{O}(0; \{2^2, 5^2, 8, 10, 20, 40\})$	1632
40	$\mathcal{O}(0; \{5, 8, 10^3, 20, 40\})$	6560
40	$\mathcal{O}(0; \{2^2, 4, 5, 8, 20^2, 40\})$	1664
40	$\mathcal{O}(0; \{5, 8^3, 20^2, 40\})$	13312
40	$\mathcal{O}(0; \{4, 8, 10^2, 20^2, 40\})$	6528
40	$\mathcal{O}(0; \{5^2, 8, 20^3, 40\})$	26240
40	$\mathcal{O}(0; \{2^4, 4, 5^2, 40^2\})$	416
40	$\mathcal{O}(0; \{2, 4^3, 5^2, 40^2\})$	1664
40	$\mathcal{O}(0; \{2^2, 5^2, 8^2, 40^2\})$	3328
40	$\mathcal{O}(0; \{2^2, 4, 5, 10^2, 40^2\})$	1632
40	$\mathcal{O}(0; \{5, 8^2, 10^2, 40^2\})$	13056
40	$\mathcal{O}(0; \{4, 10^4, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^2, 5^3, 20, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^5, 10, 20, 40^2\})$	416
40	$\mathcal{O}(0; \{2^2, 4^2, 10, 20, 40^2\})$	1664
40	$\mathcal{O}(0; \{4, 8^2, 10, 20, 40^2\})$	13312
40	$\mathcal{O}(0; \{5^2, 10^2, 20, 40^2\})$	26208
40	$\mathcal{O}(0; \{4, 5, 10, 20^2, 40^2\})$	26240

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^3, 20^3, 40^2\})$	6528
40	$\mathcal{O}(0; \{4^2, 20^3, 40^2\})$	26112
40	$\mathcal{O}(0; \{2^5, 8, 40^3\})$	768
40	$\mathcal{O}(0; \{2^2, 4^2, 8, 40^3\})$	3072
40	$\mathcal{O}(0; \{4, 8^3, 40^3\})$	24576
40	$\mathcal{O}(0; \{5^2, 8, 10, 40^3\})$	52480
40	$\mathcal{O}(0; \{4, 5, 8, 20, 40^3\})$	52224
40	$\mathcal{O}(0; \{5^3, 40^4\})$	209664
40	$\mathcal{O}(0; \{2^3, 10, 40^4\})$	13056
40	$\mathcal{O}(0; \{4^2, 10, 40^4\})$	52224
40	$\mathcal{O}(0; \{2, 20^2, 40^4\})$	209920
42	$\mathcal{O}(1; \{3^2, 7, 21^2\})$	238140
42	$\mathcal{O}(1; \{2, 6, 7, 21^2\})$	105840
42	$\mathcal{O}(1; \{3^2, 7, 14, 42\})$	105840
42	$\mathcal{O}(1; \{2, 6, 7, 14, 42\})$	105840
42	$\mathcal{O}(1; \{2^3, 3, 21, 42\})$	21168
42	$\mathcal{O}(1; \{3^2, 6, 21, 42\})$	105840
42	$\mathcal{O}(1; \{2, 6^2, 21, 42\})$	63504
42	$\mathcal{O}(1; \{2, 3, 42^3\})$	317520
42	$\mathcal{O}(0; \{2, 3^2, 6, 7^4\})$	372
42	$\mathcal{O}(0; \{2^2, 6^2, 7^4\})$	372
42	$\mathcal{O}(0; \{6^2, 7^3, 14^2\})$	2220
42	$\mathcal{O}(0; \{2, 3^3, 7^2, 14, 21\})$	1116
42	$\mathcal{O}(0; \{2^2, 3, 6, 7^2, 14, 21\})$	372
42	$\mathcal{O}(0; \{6^3, 7^2, 14, 21\})$	1116
42	$\mathcal{O}(0; \{3, 6, 7, 14^3, 21\})$	2220
42	$\mathcal{O}(0; \{2^4, 3^2, 7, 21^2\})$	180
42	$\mathcal{O}(0; \{2^5, 6, 7, 21^2\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 7, 21^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7, 21^2\})$	300
42	$\mathcal{O}(0; \{6^4, 7, 21^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3^2, 14^2, 21^2\})$	1116
42	$\mathcal{O}(0; \{2^3, 6, 14^2, 21^2\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 14^2, 21^2\})$	1860
42	$\mathcal{O}(0; \{2, 7, 14, 21^4\})$	39996
42	$\mathcal{O}(0; \{2, 6, 21^5\})$	24420
42	$\mathcal{O}(0; \{6, 7^5, 42\})$	13332
42	$\mathcal{O}(0; \{2^4, 3^2, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{3^5, 7, 14, 42\})$	660
42	$\mathcal{O}(0; \{2^5, 6, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 7, 14, 42\})$	300
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7, 14, 42\})$	180
42	$\mathcal{O}(0; \{6^4, 7, 14, 42\})$	300

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^2, 3^2, 14^3, 42\})$	372
42	$\mathcal{O}(0; \{2^3, 6, 14^3, 42\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 14^3, 42\})$	1116
42	$\mathcal{O}(0; \{2^7, 3, 21, 42\})$	12
42	$\mathcal{O}(0; \{2^3, 3^4, 21, 42\})$	132
42	$\mathcal{O}(0; \{2^4, 3^2, 6, 21, 42\})$	60
42	$\mathcal{O}(0; \{3^5, 6, 21, 42\})$	516
42	$\mathcal{O}(0; \{2^5, 6^2, 21, 42\})$	36
42	$\mathcal{O}(0; \{2, 3^3, 6^2, 21, 42\})$	252
42	$\mathcal{O}(0; \{2^2, 3, 6^3, 21, 42\})$	132
42	$\mathcal{O}(0; \{6^5, 21, 42\})$	252
42	$\mathcal{O}(0; \{3, 7^3, 14, 21, 42\})$	13332
42	$\mathcal{O}(0; \{2^3, 7^2, 21^2, 42\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7^2, 21^2, 42\})$	11100
42	$\mathcal{O}(0; \{2, 7, 14^2, 21^2, 42\})$	13332
42	$\mathcal{O}(0; \{3^2, 14, 21^3, 42\})$	24420
42	$\mathcal{O}(0; \{2, 6, 14, 21^3, 42\})$	11100
42	$\mathcal{O}(0; \{2^3, 7^2, 14, 42^2\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7^2, 14, 42^2\})$	6660
42	$\mathcal{O}(0; \{2, 7, 14^3, 42^2\})$	13332
42	$\mathcal{O}(0; \{2^2, 3^2, 7, 21, 42^2\})$	1860
42	$\mathcal{O}(0; \{2^3, 6, 7, 21, 42^2\})$	1116
42	$\mathcal{O}(0; \{3, 6^2, 7, 21, 42^2\})$	4092
42	$\mathcal{O}(0; \{3^2, 14^2, 21, 42^2\})$	11100
42	$\mathcal{O}(0; \{2, 6, 14^2, 21, 42^2\})$	6660
42	$\mathcal{O}(0; \{2^5, 3, 42^3\})$	180
42	$\mathcal{O}(0; \{2, 3^4, 42^3\})$	1260
42	$\mathcal{O}(0; \{2^2, 3^2, 6, 42^3\})$	660
42	$\mathcal{O}(0; \{2^3, 6^2, 42^3\})$	300
42	$\mathcal{O}(0; \{3, 6^3, 42^3\})$	1260
42	$\mathcal{O}(0; \{2, 7^2, 21, 42^3\})$	39996
42	$\mathcal{O}(0; \{3^2, 7, 42^4\})$	24420
42	$\mathcal{O}(0; \{2, 6, 7, 42^4\})$	11100
43	$\mathcal{O}(3; \emptyset)$	6321363048
44	$\mathcal{O}(2; \{22^2\})$	35138400
44	$\mathcal{O}(1; \{2^4, 22^2\})$	14520
44	$\mathcal{O}(1; \{2, 4^2, 22^2\})$	38720
44	$\mathcal{O}(1; \{2^2, 22, 44^2\})$	348480
44	$\mathcal{O}(1; \{44^4\})$	14094080
44	$\mathcal{O}(0; \{2^5, 4^2, 22^2\})$	20
44	$\mathcal{O}(0; \{2^2, 4^4, 22^2\})$	80
44	$\mathcal{O}(0; \{2, 4, 11^3, 22, 44\})$	18180
44	$\mathcal{O}(0; \{2^6, 22, 44^2\})$	180

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
44	$\mathcal{O}(0; \{2^3, 4^2, 22, 44^2\})$	720
44	$\mathcal{O}(0; \{4^4, 22, 44^2\})$	2880
44	$\mathcal{O}(0; \{2^4, 44^4\})$	7280
44	$\mathcal{O}(0; \{2, 4^2, 44^4\})$	29120
45	$\mathcal{O}(1; \{15^2, 45^2\})$	2527200
45	$\mathcal{O}(1; \{9, 45^3\})$	3936600
45	$\mathcal{O}(0; \{3, 5^2, 9^4\})$	1296
45	$\mathcal{O}(0; \{3, 5^3, 9^2, 45\})$	1872
45	$\mathcal{O}(0; \{3^2, 5, 9^2, 15, 45\})$	1728
45	$\mathcal{O}(0; \{3, 5^4, 45^2\})$	9840
45	$\mathcal{O}(0; \{3^2, 5^2, 15, 45^2\})$	9792
45	$\mathcal{O}(0; \{3^3, 15^2, 45^2\})$	9984
45	$\mathcal{O}(0; \{3^3, 9, 45^3\})$	15552
45	$\mathcal{O}(0; \{15, 45^5\})$	1328400
48	$\mathcal{O}(1; \{2, 3^2, 8^2\})$	13824
48	$\mathcal{O}(1; \{8^2, 12^2\})$	55296
48	$\mathcal{O}(1; \{6, 8, 12, 24\})$	27648
48	$\mathcal{O}(1; \{2^2, 3, 24^2\})$	13824
48	$\mathcal{O}(1; \{6^2, 24^2\})$	41472
48	$\mathcal{O}(1; \{4, 12, 24^2\})$	55296
48	$\mathcal{O}(1; \{2^2, 3, 16, 48\})$	36864
48	$\mathcal{O}(1; \{6^2, 16, 48\})$	36864
48	$\mathcal{O}(1; \{4, 12, 16, 48\})$	147456
48	$\mathcal{O}(1; \{4, 8, 48^2\})$	294912
48	$\mathcal{O}(1; \{3, 24, 48^2\})$	442368
48	$\mathcal{O}(0; \{2^3, 3^2, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{3^2, 4^2, 8, 16^2\})$	256
48	$\mathcal{O}(0; \{3^3, 6, 8, 16^2\})$	192
48	$\mathcal{O}(0; \{2, 3, 6^2, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 3, 4, 8, 12, 16^2\})$	256
48	$\mathcal{O}(0; \{2^2, 8, 12^2, 16^2\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 16^4\})$	1024
48	$\mathcal{O}(0; \{12^2, 16^4\})$	4096
48	$\mathcal{O}(0; \{3^3, 4, 16^2, 24\})$	384
48	$\mathcal{O}(0; \{2, 3, 4, 6, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 12, 16^2, 24\})$	384
48	$\mathcal{O}(0; \{2^2, 6, 12, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{12^3, 16^2, 24\})$	1536
48	$\mathcal{O}(0; \{8, 12, 16^2, 24^2\})$	2048
48	$\mathcal{O}(0; \{6, 16^2, 24^3\})$	3072
48	$\mathcal{O}(0; \{2^6, 3, 16, 48\})$	16
48	$\mathcal{O}(0; \{2^2, 3^4, 16, 48\})$	80
48	$\mathcal{O}(0; \{2^3, 3, 4^2, 16, 48\})$	64

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3, 4^4, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^3, 3^2, 6, 16, 48\})$	48
48	$\mathcal{O}(0; \{3^2, 4^2, 6, 16, 48\})$	192
48	$\mathcal{O}(0; \{2^4, 6^2, 16, 48\})$	16
48	$\mathcal{O}(0; \{3^3, 6^2, 16, 48\})$	176
48	$\mathcal{O}(0; \{2, 4^2, 6^2, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 3, 6^3, 16, 48\})$	80
48	$\mathcal{O}(0; \{2, 3, 4, 8^2, 16, 48\})$	512
48	$\mathcal{O}(0; \{2^4, 4, 12, 16, 48\})$	64
48	$\mathcal{O}(0; \{3^3, 4, 12, 16, 48\})$	320
48	$\mathcal{O}(0; \{2, 4^3, 12, 16, 48\})$	256
48	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 16, 48\})$	192
48	$\mathcal{O}(0; \{2^2, 8^2, 12, 16, 48\})$	512
48	$\mathcal{O}(0; \{2, 3^2, 12^2, 16, 48\})$	320
48	$\mathcal{O}(0; \{2^2, 6, 12^2, 16, 48\})$	192
48	$\mathcal{O}(0; \{12^4, 16, 48\})$	1280
48	$\mathcal{O}(0; \{8, 12, 16^3, 48\})$	8192
48	$\mathcal{O}(0; \{2, 3^2, 8, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{2^2, 6, 8, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{8, 12^2, 16, 24, 48\})$	3072
48	$\mathcal{O}(0; \{6, 16^3, 24, 48\})$	4096
48	$\mathcal{O}(0; \{2^2, 4, 16, 24^2, 48\})$	512
48	$\mathcal{O}(0; \{8^2, 16, 24^2, 48\})$	4096
48	$\mathcal{O}(0; \{6, 12, 16, 24^2, 48\})$	2560
48	$\mathcal{O}(0; \{2^4, 4, 8, 48^2\})$	128
48	$\mathcal{O}(0; \{3^3, 4, 8, 48^2\})$	640
48	$\mathcal{O}(0; \{2, 4^3, 8, 48^2\})$	512
48	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 48^2\})$	384
48	$\mathcal{O}(0; \{2^2, 8^3, 48^2\})$	1024
48	$\mathcal{O}(0; \{2, 3^2, 8, 12, 48^2\})$	640
48	$\mathcal{O}(0; \{2^2, 6, 8, 12, 48^2\})$	384
48	$\mathcal{O}(0; \{8, 12^3, 48^2\})$	2560
48	$\mathcal{O}(0; \{2^2, 4, 16^2, 48^2\})$	2048
48	$\mathcal{O}(0; \{8^2, 16^2, 48^2\})$	16384
48	$\mathcal{O}(0; \{6, 12, 16^2, 48^2\})$	6144
48	$\mathcal{O}(0; \{2^4, 3, 24, 48^2\})$	192
48	$\mathcal{O}(0; \{3^4, 24, 48^2\})$	1344
48	$\mathcal{O}(0; \{2, 3, 4^2, 24, 48^2\})$	768
48	$\mathcal{O}(0; \{2, 3^2, 6, 24, 48^2\})$	704
48	$\mathcal{O}(0; \{2^2, 6^2, 24, 48^2\})$	320
48	$\mathcal{O}(0; \{2^2, 4, 12, 24, 48^2\})$	768
48	$\mathcal{O}(0; \{8^2, 12, 24, 48^2\})$	6144
48	$\mathcal{O}(0; \{6, 12^2, 24, 48^2\})$	2816

Continued on next page

Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{6, 8, 24^2, 48^2\})$	5120
48	$\mathcal{O}(0; \{4, 24^3, 48^2\})$	10240
48	$\mathcal{O}(0; \{6, 8, 16, 48^3\})$	12288
48	$\mathcal{O}(0; \{4, 16, 24, 48^3\})$	24576
48	$\mathcal{O}(0; \{2^2, 3, 48^4\})$	5120
48	$\mathcal{O}(0; \{6^2, 48^4\})$	11264
48	$\mathcal{O}(0; \{4, 12, 48^4\})$	20480
49	$\mathcal{O}(0; \{7^3, 49^3\})$	317520
50	$\mathcal{O}(1; \{2^3, 25, 50\})$	50000
50	$\mathcal{O}(1; \{2, 50^3\})$	750000
50	$\mathcal{O}(0; \{2^7, 25, 50\})$	20
50	$\mathcal{O}(0; \{2^2, 5^2, 10, 25, 50\})$	1280
50	$\mathcal{O}(0; \{5, 10^3, 25, 50\})$	5120
50	$\mathcal{O}(0; \{2^5, 50^3\})$	300
50	$\mathcal{O}(0; \{5^2, 10, 50^3\})$	19200
52	$\mathcal{O}(1; \{2, 13^2, 26\})$	267696
52	$\mathcal{O}(0; \{2^2, 4^2, 13^2, 26\})$	264
52	$\mathcal{O}(0; \{4^2, 13, 26^3\})$	3192
52	$\mathcal{O}(0; \{2^3, 13^2, 52^2\})$	3192
52	$\mathcal{O}(0; \{4^2, 13^2, 52^2\})$	12768
52	$\mathcal{O}(0; \{2, 13, 26^2, 52^2\})$	38280
54	$\mathcal{O}(0; \{2, 6, 27^4\})$	8748
54	$\mathcal{O}(0; \{2, 9^2, 27^2, 54\})$	5832
54	$\mathcal{O}(0; \{3^2, 18, 27^2, 54\})$	3888
54	$\mathcal{O}(0; \{2, 6, 18, 27^2, 54\})$	1944
54	$\mathcal{O}(0; \{2^2, 3^2, 9, 54^2\})$	432
54	$\mathcal{O}(0; \{2^3, 6, 9, 54^2\})$	216
54	$\mathcal{O}(0; \{3, 6^2, 9, 54^2\})$	864
54	$\mathcal{O}(0; \{2, 9^2, 18, 54^2\})$	3888
54	$\mathcal{O}(0; \{3^2, 18^2, 54^2\})$	2592
54	$\mathcal{O}(0; \{2, 6, 18^2, 54^2\})$	1296
55	$\mathcal{O}(0; \{5^3, 11^3\})$	1080
56	$\mathcal{O}(1; \{2, 4, 7, 28\})$	28224
56	$\mathcal{O}(0; \{4, 7^3, 8^2\})$	240
56	$\mathcal{O}(0; \{2^3, 7, 8^2, 28\})$	48
56	$\mathcal{O}(0; \{4^2, 7, 8^2, 28\})$	192
56	$\mathcal{O}(0; \{2, 8^2, 14^2, 28\})$	240
56	$\mathcal{O}(0; \{2^3, 7^2, 8, 56\})$	120
56	$\mathcal{O}(0; \{4^2, 7^2, 8, 56\})$	480
56	$\mathcal{O}(0; \{2, 7, 8, 14^2, 56\})$	744
56	$\mathcal{O}(0; \{2^3, 4, 8, 28, 56\})$	96
56	$\mathcal{O}(0; \{4^3, 8, 28, 56\})$	384
56	$\mathcal{O}(0; \{2, 8^3, 28, 56\})$	768

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_{\mathcal{O}}(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2^3, 4, 7, 56^2\})$	240
56	$\mathcal{O}(0; \{4^3, 7, 56^2\})$	960
56	$\mathcal{O}(0; \{2, 7, 8^2, 56^2\})$	1920
56	$\mathcal{O}(0; \{2, 4, 14^2, 56^2\})$	1488
56	$\mathcal{O}(0; \{2, 4, 8, 56^3\})$	3840
58	$\mathcal{O}(1; \{2^2, 58^2\})$	94192
58	$\mathcal{O}(0; \{2^6, 58^2\})$	28
59	$\mathcal{O}(0; \{59^5\})$	11124690
60	$\mathcal{O}(1; \{2^2, 15^2\})$	21600
60	$\mathcal{O}(1; \{15, 30^2\})$	64800
60	$\mathcal{O}(1; \{15, 20, 60\})$	172800
60	$\mathcal{O}(1; \{12, 30, 60\})$	57600
60	$\mathcal{O}(1; \{10, 60^2\})$	172800
60	$\mathcal{O}(0; \{4^2, 5, 6^2, 10\})$	16
60	$\mathcal{O}(0; \{3, 4, 5, 6, 10, 12\})$	16
60	$\mathcal{O}(0; \{3^2, 5, 10, 12^2\})$	48
60	$\mathcal{O}(0; \{2, 5, 6, 10, 12^2\})$	16
60	$\mathcal{O}(0; \{4^2, 5^2, 6, 15\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 5^2, 12^2, 15\})$	48
60	$\mathcal{O}(0; \{2^3, 4^2, 15^2\})$	16
60	$\mathcal{O}(0; \{4^4, 15^2\})$	64
60	$\mathcal{O}(0; \{3, 4^2, 6, 15^2\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 12, 15^2\})$	80
60	$\mathcal{O}(0; \{2, 4, 6, 12, 15^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 12^2, 15^2\})$	80
60	$\mathcal{O}(0; \{3^2, 4, 10, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 6, 10, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 10, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 15^2, 20\})$	208
60	$\mathcal{O}(0; \{3^2, 5, 6, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 5, 6^2, 20^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 6, 10, 30\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10, 12, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 6, 10, 12, 30\})$	16
60	$\mathcal{O}(0; \{2, 3, 10, 12^2, 30\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 15, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 12, 15, 30\})$	48
60	$\mathcal{O}(0; \{3^3, 20^2, 30\})$	144
60	$\mathcal{O}(0; \{2, 3, 6, 20^2, 30\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 15, 30^2\})$	48
60	$\mathcal{O}(0; \{2^2, 3^2, 4, 5, 60\})$	16
60	$\mathcal{O}(0; \{2^3, 4, 5, 6, 60\})$	16

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{4^3, 5, 6, 60\})$	64
60	$\mathcal{O}(0; \{3, 4, 5, 6^2, 60\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 10^2, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 6, 10^2, 60\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 5, 12, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 5, 12, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 5, 6, 12, 60\})$	80
60	$\mathcal{O}(0; \{2, 5, 6^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 10^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 12^2, 60\})$	64
60	$\mathcal{O}(0; \{2, 4, 5, 10, 15, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 5^2, 20, 60\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 6, 20, 60\})$	208
60	$\mathcal{O}(0; \{2^4, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{3^3, 15, 20, 60\})$	240
60	$\mathcal{O}(0; \{2, 4^2, 15, 20, 60\})$	192
60	$\mathcal{O}(0; \{2, 3, 6, 15, 20, 60\})$	144
60	$\mathcal{O}(0; \{2^3, 3, 4, 30, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^3, 30, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 4, 6, 30, 60\})$	80
60	$\mathcal{O}(0; \{2, 4, 6^2, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^4, 12, 30, 60\})$	16
60	$\mathcal{O}(0; \{3^3, 12, 30, 60\})$	176
60	$\mathcal{O}(0; \{2, 4^2, 12, 30, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 12, 30, 60\})$	80
60	$\mathcal{O}(0; \{2, 3, 5, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{2^2, 20, 30^2, 60\})$	208
60	$\mathcal{O}(0; \{2, 5^3, 60^2\})$	816
60	$\mathcal{O}(0; \{2^4, 10, 60^2\})$	48
60	$\mathcal{O}(0; \{3^3, 10, 60^2\})$	240
60	$\mathcal{O}(0; \{2, 4^2, 10, 60^2\})$	192
60	$\mathcal{O}(0; \{2, 3, 6, 10, 60^2\})$	144
60	$\mathcal{O}(0; \{2, 3, 5, 15, 60^2\})$	624
60	$\mathcal{O}(0; \{2^2, 20^2, 60^2\})$	832
60	$\mathcal{O}(0; \{2^2, 15, 30, 60^2\})$	624
60	$\mathcal{O}(0; \{30^3, 60^2\})$	4080
60	$\mathcal{O}(0; \{2, 3, 4, 60^3\})$	576
60	$\mathcal{O}(0; \{2^2, 12, 60^3\})$	576
60	$\mathcal{O}(0; \{20, 30, 60^3\})$	9792
60	$\mathcal{O}(0; \{15, 60^4\})$	16320
63	$\mathcal{O}(1; \{7, 9, 63\})$	142884
63	$\mathcal{O}(0; \{3^3, 7, 9, 63\})$	288
63	$\mathcal{O}(0; \{9, 21^3, 63\})$	8928

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
63	$\mathcal{O}(0; \{7, 21^2, 63^2\})$	26640
63	$\mathcal{O}(0; \{9^2, 63^3\})$	24300
64	$\mathcal{O}(1; \{4, 32^2\})$	98304
64	$\mathcal{O}(0; \{2^2, 4, 32, 64^2\})$	1024
64	$\mathcal{O}(0; \{8^2, 32, 64^2\})$	8192
64	$\mathcal{O}(0; \{4, 64^4\})$	65536
66	$\mathcal{O}(1; \{3, 33^2\})$	65340
66	$\mathcal{O}(1; \{3, 22, 66\})$	87120
66	$\mathcal{O}(0; \{2, 3^2, 11^2, 22\})$	180
66	$\mathcal{O}(0; \{2^4, 3, 33^2\})$	20
66	$\mathcal{O}(0; \{2, 3^2, 6, 33^2\})$	100
66	$\mathcal{O}(0; \{2^2, 6^2, 33^2\})$	60
66	$\mathcal{O}(0; \{2^4, 3, 22, 66\})$	20
66	$\mathcal{O}(0; \{3^4, 22, 66\})$	100
66	$\mathcal{O}(0; \{2, 3^2, 6, 22, 66\})$	60
66	$\mathcal{O}(0; \{2^2, 6^2, 22, 66\})$	20
66	$\mathcal{O}(0; \{6, 11^2, 33, 66\})$	1820
66	$\mathcal{O}(0; \{2^2, 3, 33, 66^2\})$	540
66	$\mathcal{O}(0; \{6^2, 33, 66^2\})$	900
66	$\mathcal{O}(0; \{3, 66^4\})$	9100
70	$\mathcal{O}(1; \{2, 35, 70\})$	117600
70	$\mathcal{O}(0; \{2^2, 5^2, 14^2\})$	24
70	$\mathcal{O}(0; \{5, 10^2, 14^2\})$	72
70	$\mathcal{O}(0; \{5, 7, 10, 14, 35\})$	360
70	$\mathcal{O}(0; \{7^3, 10, 70\})$	744
70	$\mathcal{O}(0; \{2^5, 35, 70\})$	24
70	$\mathcal{O}(0; \{5^2, 10, 35, 70\})$	1224
70	$\mathcal{O}(0; \{2^3, 70^3\})$	360
72	$\mathcal{O}(0; \{4, 8^2, 18^2\})$	48
72	$\mathcal{O}(0; \{3, 8, 18^2, 24\})$	96
72	$\mathcal{O}(0; \{4, 8, 9^2, 72\})$	144
72	$\mathcal{O}(0; \{4, 6, 8, 18, 72\})$	96
72	$\mathcal{O}(0; \{3, 8, 12, 18, 72\})$	192
72	$\mathcal{O}(0; \{3, 9^2, 24, 72\})$	288
72	$\mathcal{O}(0; \{2^3, 18, 24, 72\})$	48
72	$\mathcal{O}(0; \{4^2, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 6, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 8, 9, 36, 72\})$	288
72	$\mathcal{O}(0; \{2, 24, 36^2, 72\})$	576
72	$\mathcal{O}(0; \{2^2, 3, 4, 72^2\})$	96
72	$\mathcal{O}(0; \{4, 6^2, 72^2\})$	192
72	$\mathcal{O}(0; \{3, 8^2, 72^2\})$	768
72	$\mathcal{O}(0; \{2^3, 12, 72^2\})$	96

Continued on next page

Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{4^2, 12, 72^2\})$	384
72	$\mathcal{O}(0; \{3, 6, 12, 72^2\})$	384
72	$\mathcal{O}(0; \{2, 24^2, 72^2\})$	1536
72	$\mathcal{O}(0; \{2, 18, 36, 72^2\})$	1296
75	$\mathcal{O}(0; \{3^2, 75^3\})$	3000
78	$\mathcal{O}(0; \{2, 6, 13, 39^2\})$	264
78	$\mathcal{O}(0; \{3^2, 13, 26, 78\})$	264
78	$\mathcal{O}(0; \{2, 6, 13, 26, 78\})$	264
80	$\mathcal{O}(0; \{2, 5, 16^2, 40\})$	128
80	$\mathcal{O}(0; \{2, 4, 16, 40, 80\})$	256
80	$\mathcal{O}(0; \{2, 5, 8, 80^2\})$	384
84	$\mathcal{O}(0; \{3, 4, 7^2, 12\})$	24
84	$\mathcal{O}(0; \{2, 7^2, 12^2\})$	24
84	$\mathcal{O}(0; \{3, 4^2, 14, 21\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 14, 21\})$	24
84	$\mathcal{O}(0; \{2, 3, 21, 28^2\})$	120
84	$\mathcal{O}(0; \{2, 4, 7, 21, 84\})$	120
84	$\mathcal{O}(0; \{2, 3, 14, 28, 84\})$	120
84	$\mathcal{O}(0; \{3^2, 4, 42, 84\})$	72
84	$\mathcal{O}(0; \{2, 4, 6, 42, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 12, 42, 84\})$	72
86	$\mathcal{O}(2; \emptyset)$	51282000
86	$\mathcal{O}(1; \{2^4\})$	7392
87	$\mathcal{O}(1; \{87^2\})$	423864
87	$\mathcal{O}(0; \{3^3, 87^2\})$	280
88	$\mathcal{O}(1; \{44^2\})$	116160
88	$\mathcal{O}(0; \{2^2, 44, 88^2\})$	720
88	$\mathcal{O}(0; \{88^4\})$	58240
90	$\mathcal{O}(0; \{2^2, 18, 45, 90\})$	72
90	$\mathcal{O}(0; \{30, 45^2, 90\})$	1872
90	$\mathcal{O}(0; \{2^2, 15, 90^2\})$	144
90	$\mathcal{O}(0; \{30^2, 90^2\})$	1248
90	$\mathcal{O}(0; \{18, 90^3\})$	1944
91	$\mathcal{O}(0; \{13, 91^3\})$	47880
96	$\mathcal{O}(0; \{2, 3^2, 32, 96\})$	32
96	$\mathcal{O}(0; \{2^2, 6, 32, 96\})$	32
96	$\mathcal{O}(0; \{12^2, 32, 96\})$	128
96	$\mathcal{O}(0; \{8, 24, 32, 96\})$	512
96	$\mathcal{O}(0; \{8, 16, 96^2\})$	1024
96	$\mathcal{O}(0; \{6, 48, 96^2\})$	768
98	$\mathcal{O}(0; \{7, 14, 49, 98\})$	1512
99	$\mathcal{O}(0; \{9^2, 33, 99\})$	360
100	$\mathcal{O}(0; \{2^2, 4, 50, 100\})$	40

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
100	$\mathcal{O}(0; \{5, 20, 50, 100\})$	640
100	$\mathcal{O}(0; \{4, 100^3\})$	2400
104	$\mathcal{O}(0; \{8^2, 13, 52\})$	96
104	$\mathcal{O}(0; \{4, 13, 104^2\})$	1056
105	$\mathcal{O}(0; \{5, 15, 21^2\})$	48
105	$\mathcal{O}(0; \{7^2, 15, 105\})$	240
105	$\mathcal{O}(0; \{5, 7, 105^2\})$	720
105	$\mathcal{O}(0; \{3, 105^3\})$	2160
108	$\mathcal{O}(0; \{4, 12, 27^2\})$	72
108	$\mathcal{O}(0; \{4, 9, 27, 108\})$	216
108	$\mathcal{O}(0; \{3, 27, 36, 108\})$	432
108	$\mathcal{O}(0; \{3, 18, 108^2\})$	432
110	$\mathcal{O}(0; \{5, 10, 11, 22\})$	40
112	$\mathcal{O}(0; \{4, 7, 16, 112\})$	96
116	$\mathcal{O}(0; \{2^3, 116^2\})$	56
116	$\mathcal{O}(0; \{4^2, 116^2\})$	224
117	$\mathcal{O}(0; \{3, 9, 13, 117\})$	144
118	$\mathcal{O}(0; \{2, 59^2, 118\})$	3306
120	$\mathcal{O}(0; \{3, 8, 10, 120\})$	32
120	$\mathcal{O}(0; \{3, 5, 40, 120\})$	96
120	$\mathcal{O}(0; \{2, 30, 40, 120\})$	96
120	$\mathcal{O}(0; \{2, 24, 60, 120\})$	64
120	$\mathcal{O}(0; \{2, 20, 120^2\})$	192
126	$\mathcal{O}(0; \{2, 14, 18, 126\})$	36
126	$\mathcal{O}(0; \{2, 9, 63, 126\})$	108
129	$\mathcal{O}(1; \{3^2\})$	33264
132	$\mathcal{O}(0; \{3^2, 44, 132\})$	40
132	$\mathcal{O}(0; \{2, 6, 44, 132\})$	40
140	$\mathcal{O}(0; \{2, 4, 70, 140\})$	48
150	$\mathcal{O}(0; \{2, 3, 75, 150\})$	40
172	$\mathcal{O}(1; \{2^2\})$	22176
174	$\mathcal{O}(0; \{2^2, 174^2\})$	56
175	$\mathcal{O}(0; \{175^3\})$	9000
176	$\mathcal{O}(0; \{88, 176^2\})$	2880
177	$\mathcal{O}(0; \{59, 177^2\})$	6612
180	$\mathcal{O}(0; \{45, 60, 180\})$	288
180	$\mathcal{O}(0; \{36, 90, 180\})$	144
180	$\mathcal{O}(0; \{30, 180^2\})$	288
182	$\mathcal{O}(0; \{26, 91, 182\})$	792
189	$\mathcal{O}(0; \{21, 27, 189\})$	216
192	$\mathcal{O}(0; \{12, 64, 192\})$	128
198	$\mathcal{O}(0; \{9, 66, 198\})$	120
200	$\mathcal{O}(0; \{8, 100, 200\})$	160

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
203	$\mathcal{O}(0; \{7, 203^2\})$	840
210	$\mathcal{O}(0; \{7, 30, 210\})$	48
210	$\mathcal{O}(0; \{6, 105, 210\})$	48
232	$\mathcal{O}(0; \{4, 232^2\})$	224
236	$\mathcal{O}(0; \{4, 59, 236\})$	116
261	$\mathcal{O}(0; \{3, 261^2\})$	336
264	$\mathcal{O}(0; \{3, 88, 264\})$	80
348	$\mathcal{O}(0; \{2, 348^2\})$	112
350	$\mathcal{O}(0; \{2, 175, 350\})$	120

Table 8: 88-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(88; \emptyset)$	1
2	$\mathcal{O}(44; \{2^2\})$	309485009821345068724781056
2	$\mathcal{O}(43; \{2^6\})$	77371252455336267181195264
2	$\mathcal{O}(42; \{2^{10}\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^{14}\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{18}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{22}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{26}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{30}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{34}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{38}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{42}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{46}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{50}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{54}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{58}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{62}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{66}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{70}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{74}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{78}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{82}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{86}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{90}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{94}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{98}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{102}\})$	274877906944

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(18; \{2^{106}\})$	68719476736
2	$\mathcal{O}(17; \{2^{110}\})$	17179869184
2	$\mathcal{O}(16; \{2^{114}\})$	4294967296
2	$\mathcal{O}(15; \{2^{118}\})$	1073741824
2	$\mathcal{O}(14; \{2^{122}\})$	268435456
2	$\mathcal{O}(13; \{2^{126}\})$	67108864
2	$\mathcal{O}(12; \{2^{130}\})$	16777216
2	$\mathcal{O}(11; \{2^{134}\})$	4194304
2	$\mathcal{O}(10; \{2^{138}\})$	1048576
2	$\mathcal{O}(9; \{2^{142}\})$	262144
2	$\mathcal{O}(8; \{2^{146}\})$	65536
2	$\mathcal{O}(7; \{2^{150}\})$	16384
2	$\mathcal{O}(6; \{2^{154}\})$	4096
2	$\mathcal{O}(5; \{2^{158}\})$	1024
2	$\mathcal{O}(4; \{2^{162}\})$	256
2	$\mathcal{O}(3; \{2^{166}\})$	64
2	$\mathcal{O}(2; \{2^{170}\})$	16
2	$\mathcal{O}(1; \{2^{174}\})$	4
2	$\mathcal{O}(0; \{2^{178}\})$	1
3	$\mathcal{O}(30; \emptyset)$	42391158275216203514294433200
3	$\mathcal{O}(29; \{3^3\})$	9420257394492489669843207378
3	$\mathcal{O}(28; \{3^6\})$	11513647926601931818697253462
3	$\mathcal{O}(27; \{3^9\})$	9885455290516810147366328730
3	$\mathcal{O}(26; \{3^{12}\})$	8825837860683635726341441206
3	$\mathcal{O}(25; \{3^{15}\})$	7840881821570413974548659578
3	$\mathcal{O}(24; \{3^{18}\})$	6970151328943273656880210902
3	$\mathcal{O}(23; \{3^{21}\})$	6195636892543080891109167450
3	$\mathcal{O}(22; \{3^{24}\})$	5507238701997040560431101686
3	$\mathcal{O}(21; \{3^{27}\})$	4895322634150101264642379578
3	$\mathcal{O}(20; \{3^{30}\})$	4351397969968304989579243542
3	$\mathcal{O}(19; \{3^{33}\})$	3867909298533383018032486170
3	$\mathcal{O}(18; \{3^{36}\})$	3438141599596908272255315766
3	$\mathcal{O}(17; \{3^{39}\})$	3056125866208299818473392378
3	$\mathcal{O}(16; \{3^{42}\})$	2716556325529606848665015382
3	$\mathcal{O}(15; \{3^{45}\})$	2414716733802859629798556890
3	$\mathcal{O}(14; \{3^{48}\})$	2146414874491568042797891446
3	$\mathcal{O}(13; \{3^{51}\})$	1907924332881378564625377978
3	$\mathcal{O}(12; \{3^{54}\})$	1695932740339004863133110422
3	$\mathcal{O}(11; \{3^{57}\})$	1507495769190226356720851610
3	$\mathcal{O}(10; \{3^{60}\})$	1339996239280201226894796726
3	$\mathcal{O}(9; \{3^{63}\})$	1191107768249067754915296378
3	$\mathcal{O}(8; \{3^{66}\})$	1058762460665838004627432662
3	$\mathcal{O}(7; \{3^{69}\})$	941122187258522670751242330

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(6; \{3^{72}\})$	836553055340909040670959606
3	$\mathcal{O}(5; \{3^{75}\})$	743602715858585813929387578
3	$\mathcal{O}(4; \{3^{78}\})$	660980191874298501270606102
3	$\mathcal{O}(3; \{3^{81}\})$	587537948332709778907201050
3	$\mathcal{O}(2; \{3^{84}\})$	522255954073519803473068086
3	$\mathcal{O}(1; \{3^{87}\})$	464227514732017603087171578
3	$\mathcal{O}(0; \{3^{90}\})$	412646679761793424966374742
4	$\mathcal{O}(22; \{4^2\})$	618970019642690137449562112
4	$\mathcal{O}(21; \{2^4, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(21; \{2, 4^4\})$	154742504910672534362390528
4	$\mathcal{O}(20; \{2^8, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^5, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(20; \{2^2, 4^6\})$	38685626227668133590597632
4	$\mathcal{O}(19; \{2^{12}, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^9, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^6, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^3, 4^8\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{4^{10}\})$	38685626227668133590597632
4	$\mathcal{O}(18; \{2^{16}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{13}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^{10}, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^7, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^4, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2, 4^{12}\})$	9671406556917033397649408
4	$\mathcal{O}(17; \{2^{20}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{17}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{14}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^{11}, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^8, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^5, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^2, 4^{14}\})$	2417851639229258349412352
4	$\mathcal{O}(16; \{2^{24}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{21}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{18}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{15}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^{12}, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^9, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^6, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2^3, 4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{4^{18}\})$	2417851639229258349412352
4	$\mathcal{O}(15; \{2^{28}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{25}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{22}, 4^6\})$	36893488147419103232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(15; \{2^{19}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{16}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{13}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^{10}, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^7, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^4, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2, 4^{20}\})$	604462909807314587353088
4	$\mathcal{O}(14; \{2^{32}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{29}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{26}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{23}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{20}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{17}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{14}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^{11}, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^8, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^5, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^2, 4^{22}\})$	151115727451828646838272
4	$\mathcal{O}(13; \{2^{36}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{33}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{30}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{27}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{24}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{21}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{18}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{15}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^{12}, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^9, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^6, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^3, 4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{4^{26}\})$	151115727451828646838272
4	$\mathcal{O}(12; \{2^{40}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{37}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{34}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{31}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{28}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{25}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{22}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{19}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{16}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{13}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^{10}, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^7, 4^{24}\})$	2361183241434822606848

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(12; \{2^4, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2, 4^{28}\})$	37778931862957161709568
4	$\mathcal{O}(11; \{2^{44}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{41}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{38}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{35}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{32}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{29}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{26}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{23}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{20}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{17}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{14}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^{11}, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^8, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^5, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^2, 4^{30}\})$	9444732965739290427392
4	$\mathcal{O}(10; \{2^{48}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{45}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{42}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{39}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{36}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{33}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{30}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{27}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{24}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{21}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{18}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{15}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^{12}, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^9, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^6, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^3, 4^{32}\})$	2361183241434822606848
4	$\mathcal{O}(10; \{4^{34}\})$	9444732965739290427392
4	$\mathcal{O}(9; \{2^{52}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{49}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{46}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{43}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{40}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{37}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{34}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{31}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{28}, 4^{18}\})$	9007199254740992

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(9; \{2^{25}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{22}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{19}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{16}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{13}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^{10}, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^7, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^4, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2, 4^{36}\})$	2361183241434822606848
4	$\mathcal{O}(8; \{2^{56}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{53}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{50}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{47}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{44}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{41}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{38}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{35}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{32}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{29}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{26}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{23}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{20}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{17}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{14}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^{11}, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^8, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^5, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^2, 4^{38}\})$	590295810358705651712
4	$\mathcal{O}(7; \{2^{60}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{57}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{54}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{51}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{48}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{45}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{42}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{39}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{36}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{33}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{30}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{27}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{24}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{21}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{18}, 4^{30}\})$	144115188075855872

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^{15}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^{12}, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^9, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^6, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^3, 4^{40}\})$	147573952589676412928
4	$\mathcal{O}(7; \{4^{42}\})$	590295810358705651712
4	$\mathcal{O}(6; \{2^{64}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{61}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{58}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{55}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{52}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{49}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{46}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{43}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{40}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{37}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{34}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{31}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{28}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{25}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{22}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{19}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{16}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{13}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^{10}, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^7, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^4, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2, 4^{44}\})$	147573952589676412928
4	$\mathcal{O}(5; \{2^{68}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{65}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{62}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{59}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{56}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{53}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{50}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{47}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{44}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{41}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{38}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{35}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{32}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{29}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{26}, 4^{30}\})$	562949953421312

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{23}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{20}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{17}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{14}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^{11}, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^8, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^5, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^2, 4^{46}\})$	36893488147419103232
4	$\mathcal{O}(4; \{2^{72}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{69}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{66}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{63}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{60}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{57}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{54}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{51}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{48}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{45}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{42}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{39}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{36}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{33}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{30}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{27}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{24}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{21}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{18}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{15}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^{12}, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^9, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^6, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^3, 4^{48}\})$	9223372036854775808
4	$\mathcal{O}(4; \{4^{50}\})$	36893488147419103232
4	$\mathcal{O}(3; \{2^{76}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{73}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{70}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{67}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{64}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{61}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{58}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{55}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{52}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{49}, 4^{20}\})$	2147483648

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{46}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{43}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{40}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{37}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{34}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{31}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{28}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{25}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{22}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{19}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{16}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{13}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^{10}, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^7, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{2^4, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2, 4^{52}\})$	9223372036854775808
4	$\mathcal{O}(2; \{2^{80}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{77}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{74}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{71}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{68}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{65}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{62}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{59}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{56}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{53}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{50}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{47}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{44}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{41}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{38}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{35}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{32}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{29}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{26}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{23}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{20}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{17}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{14}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^{11}, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^8, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^5, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(2; \{2^2, 4^{54}\})$	2305843009213693952

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{84}, 4^{22}\})$	32
4	$\mathcal{O}(1; \{2^{81}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{78}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{75}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{72}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{69}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{66}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{63}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{60}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{57}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{54}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{51}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{48}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{45}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{42}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{39}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{36}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{33}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{30}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{27}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{24}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{21}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{18}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{15}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^{12}, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^9, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^6, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^3, 4^{56}\})$	576460752303423488
4	$\mathcal{O}(1; \{4^{58}\})$	2305843009213693952
4	$\mathcal{O}(0; \{2^{88}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{85}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{82}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{79}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{76}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{73}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{70}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{67}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{64}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{61}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{58}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{55}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{52}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{49}, 4^{28}\})$	134217728

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{46}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{43}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{40}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{37}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{34}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{31}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{28}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{25}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{22}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{19}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{16}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{13}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^{10}, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^7, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^4, 4^{58}\})$	144115188075855872
4	$\mathcal{O}(0; \{2, 4^{60}\})$	576460752303423488
5	$\mathcal{O}(16; \{5^6\})$	19092112779617309570312500
5	$\mathcal{O}(14; \{5^{11}\})$	31249970197677612304687500
5	$\mathcal{O}(12; \{5^{16}\})$	51200000047683715820312500
5	$\mathcal{O}(10; \{5^{21}\})$	83886079999923706054687500
5	$\mathcal{O}(8; \{5^{26}\})$	137438953472000122070312500
5	$\mathcal{O}(6; \{5^{31}\})$	225179981368524799804687500
5	$\mathcal{O}(4; \{5^{36}\})$	368934881474191032320312500
5	$\mathcal{O}(2; \{5^{41}\})$	604462909807314587353087500
5	$\mathcal{O}(0; \{5^{46}\})$	990352031428304219919299380
6	$\mathcal{O}(15; \{2^2\})$	221073919720732284157952
6	$\mathcal{O}(14; \{2^6\})$	6140942214464547061760
6	$\mathcal{O}(14; \{2^2, 3^3\})$	12281884428929630994432
6	$\mathcal{O}(14; \{2^3, 3, 6\})$	12281884428929630994432
6	$\mathcal{O}(14; \{3^2, 6^2\})$	36845653286788892983296
6	$\mathcal{O}(14; \{2, 6^3\})$	12281884428929630994432
6	$\mathcal{O}(13; \{2^{10}\})$	170581728179511099392
6	$\mathcal{O}(13; \{2^6, 3^3\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^2, 3^6\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^7, 3, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^3, 3^4, 6\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^4, 3^2, 6^2\})$	1023490369077469249536
6	$\mathcal{O}(13; \{3^5, 6^2\})$	7164432583542284746752
6	$\mathcal{O}(13; \{2^5, 6^3\})$	341163456359156416512
6	$\mathcal{O}(13; \{2, 3^3, 6^3\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^2, 3, 6^4\})$	1705817281795782082560
6	$\mathcal{O}(13; \{6^6\})$	3752798019950720581632
6	$\mathcal{O}(12; \{2^{14}\})$	4738381338304839680

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(12; \{2^{10}, 3^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^6, 3^6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^2, 3^9\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^{11}, 3, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^7, 3^4, 6\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^3, 3^7, 6\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^8, 3^2, 6^2\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^4, 3^5, 6^2\})$	199012016209507909632
6	$\mathcal{O}(12; \{3^8, 6^2\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2^9, 6^3\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^5, 3^3, 6^3\})$	104244389443075571712
6	$\mathcal{O}(12; \{2, 3^6, 6^3\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^6, 3, 6^4\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^2, 3^4, 6^4\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^3, 3^2, 6^5\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^4, 6^6\})$	104244389443075571712
6	$\mathcal{O}(12; \{3^3, 6^6\})$	805524827514674872320
6	$\mathcal{O}(12; \{2, 3, 6^7\})$	407500795095659053056
6	$\mathcal{O}(11; \{2^{18}\})$	131621703838072832
6	$\mathcal{O}(11; \{2^{14}, 3^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{10}, 3^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^6, 3^9\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^2, 3^{12}\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{15}, 3, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{11}, 3^4, 6\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^7, 3^7, 6\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^3, 3^{10}, 6\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{12}, 3^2, 6^2\})$	789730223053602816
6	$\mathcal{O}(11; \{2^8, 3^5, 6^2\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^4, 3^8, 6^2\})$	45014622714055360512
6	$\mathcal{O}(11; \{3^{11}, 6^2\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^{13}, 6^3\})$	263243407684534272
6	$\mathcal{O}(11; \{2^9, 3^3, 6^3\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^5, 3^6, 6^3\})$	22375689653185413120
6	$\mathcal{O}(11; \{2, 3^9, 6^3\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{10}, 3, 6^4\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^6, 3^4, 6^4\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^2, 3^7, 6^4\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^7, 3^2, 6^5\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^3, 3^5, 6^5\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^8, 6^6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^4, 3^3, 6^6\})$	22375689653185413120
6	$\mathcal{O}(11; \{3^6, 6^6\})$	179795247448536907776

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(11; \{2^5, 3, 6^7\})$	11319466530434973696
6	$\mathcal{O}(11; \{2, 3^4, 6^7\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^2, 3^2, 6^8\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^3, 6^9\})$	22375689653185413120
6	$\mathcal{O}(11; \{3, 6^{10}\})$	89766002020426186752
6	$\mathcal{O}(10; \{2^{22}\})$	3656158439014400
6	$\mathcal{O}(10; \{2^{18}, 3^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{14}, 3^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^{10}, 3^9\})$	621546934810705920
6	$\mathcal{O}(10; \{2^6, 3^{12}\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^2, 3^{15}\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{19}, 3, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{15}, 3^4, 6\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{11}, 3^7, 6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^7, 3^{10}, 6\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^3, 3^{13}, 6\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{16}, 3^2, 6^2\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{12}, 3^5, 6^2\})$	153558654482644992
6	$\mathcal{O}(10; \{2^8, 3^8, 6^2\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^4, 3^{11}, 6^2\})$	9981312541371924480
6	$\mathcal{O}(10; \{3^{14}, 6^2\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^{17}, 6^3\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{13}, 3^3, 6^3\})$	80435485681385472
6	$\mathcal{O}(10; \{2^9, 3^6, 6^3\})$	621546934810705920
6	$\mathcal{O}(10; \{2^5, 3^9, 6^3\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 3^{12}, 6^3\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{14}, 3, 6^4\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{10}, 3^4, 6^4\})$	314429625845415936
6	$\mathcal{O}(10; \{2^6, 3^7, 6^4\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^{10}, 6^4\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{11}, 3^2, 6^5\})$	153558654482644992
6	$\mathcal{O}(10; \{2^7, 3^5, 6^5\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 3^8, 6^5\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^{12}, 6^6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^8, 3^3, 6^6\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 3^6, 6^6\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^9, 6^6\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^9, 3, 6^7\})$	314429625845415936
6	$\mathcal{O}(10; \{2^5, 3^4, 6^7\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^7, 6^7\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^6, 3^2, 6^8\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^5, 6^8\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^7, 6^9\})$	621546934810705920

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^3, 3^3, 6^9\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^4, 3, 6^{10}\})$	2493500056122949632
6	$\mathcal{O}(10; \{3^4, 6^{10}\})$	19969937399623974912
6	$\mathcal{O}(10; \{2, 3^2, 6^{11}\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^2, 6^{12}\})$	4994312429126025216
6	$\mathcal{O}(9; \{2^{26}\})$	101559956406272
6	$\mathcal{O}(9; \{2^{22}, 3^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^{18}, 3^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{14}, 3^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^{10}, 3^{12}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^6, 3^{15}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^2, 3^{18}\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{23}, 3, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{19}, 3^4, 6\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{15}, 3^7, 6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{11}, 3^{10}, 6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^7, 3^{13}, 6\})$	554720483322888192
6	$\mathcal{O}(9; \{2^3, 3^{16}, 6\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{20}, 3^2, 6^2\})$	609359740010496
6	$\mathcal{O}(9; \{2^{16}, 3^5, 6^2\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{12}, 3^8, 6^2\})$	34733505180598272
6	$\mathcal{O}(9; \{2^8, 3^{11}, 6^2\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 3^{14}, 6^2\})$	2218678813378215936
6	$\mathcal{O}(9; \{3^{17}, 6^2\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{21}, 6^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^{17}, 3^3, 6^3\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{13}, 3^6, 6^3\})$	17265192633630720
6	$\mathcal{O}(9; \{2^9, 3^9, 6^3\})$	138730900809056256
6	$\mathcal{O}(9; \{2^5, 3^{12}, 6^3\})$	1109237846732439552
6	$\mathcal{O}(9; \{2, 3^{15}, 6^3\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{18}, 3, 6^4\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{14}, 3^4, 6^4\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{10}, 3^7, 6^4\})$	69263890447859712
6	$\mathcal{O}(9; \{2^6, 3^{10}, 6^4\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3^{13}, 6^4\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{15}, 3^2, 6^5\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{11}, 3^5, 6^5\})$	34733505180598272
6	$\mathcal{O}(9; \{2^7, 3^8, 6^5\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3^{11}, 6^5\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{16}, 6^6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{12}, 3^3, 6^6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^8, 3^6, 6^6\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^9, 6^6\})$	1109237846732439552

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{3^{12}, 6^6\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{13}, 3, 6^7\})$	8734156273483776
6	$\mathcal{O}(9; \{2^9, 3^4, 6^7\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^7, 6^7\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^{10}, 6^7\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{10}, 3^2, 6^8\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^5, 6^8\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^8, 6^8\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{11}, 6^9\})$	17265192633630720
6	$\mathcal{O}(9; \{2^7, 3^3, 6^9\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^6, 6^9\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^8, 3, 6^{10}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^4, 3^4, 6^{10}\})$	554720483322888192
6	$\mathcal{O}(9; \{3^7, 6^{10}\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^5, 3^2, 6^{11}\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^5, 6^{11}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^6, 6^{12}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^2, 3^3, 6^{12}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^3, 3, 6^{13}\})$	554720483322888192
6	$\mathcal{O}(9; \{3^2, 6^{14}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2, 6^{15}\})$	1109237846732439552
6	$\mathcal{O}(8; \{2^{30}\})$	2821109841920
6	$\mathcal{O}(8; \{2^{26}, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{22}, 3^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{18}, 3^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^{14}, 3^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^{10}, 3^{15}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^6, 3^{18}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^2, 3^{21}\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{27}, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{23}, 3^4, 6\})$	28211099074560
6	$\mathcal{O}(8; \{2^{19}, 3^7, 6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{15}, 3^{10}, 6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{11}, 3^{13}, 6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^7, 3^{16}, 6\})$	123254291856752640
6	$\mathcal{O}(8; \{2^3, 3^{19}, 6\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{24}, 3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{2^{20}, 3^5, 6^2\})$	118486616113152
6	$\mathcal{O}(8; \{2^{16}, 3^8, 6^2\})$	964819588349952
6	$\mathcal{O}(8; \{2^{12}, 3^{11}, 6^2\})$	7701630047354880
6	$\mathcal{O}(8; \{2^8, 3^{14}, 6^2\})$	61629967038283776
6	$\mathcal{O}(8; \{2^4, 3^{17}, 6^2\})$	493022809646825472
6	$\mathcal{O}(8; \{3^{20}, 6^2\})$	3944199403834048512

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{25}, 6^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^{21}, 3^3, 6^3\})$	62064417964032
6	$\mathcal{O}(8; \{2^{17}, 3^6, 6^3\})$	479588684267520
6	$\mathcal{O}(8; \{2^{13}, 3^9, 6^3\})$	3853636133584896
6	$\mathcal{O}(8; \{2^9, 3^{12}, 6^3\})$	30812162409234432
6	$\mathcal{O}(8; \{2^5, 3^{15}, 6^3\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 3^{18}, 6^3\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{22}, 3, 6^4\})$	28211099074560
6	$\mathcal{O}(8; \{2^{18}, 3^4, 6^4\})$	242615452041216
6	$\mathcal{O}(8; \{2^{14}, 3^7, 6^4\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{10}, 3^{10}, 6^4\})$	15408902314524672
6	$\mathcal{O}(8; \{2^6, 3^{13}, 6^4\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^{16}, 6^4\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{19}, 3^2, 6^5\})$	118486616113152
6	$\mathcal{O}(8; \{2^{15}, 3^5, 6^5\})$	964819588349952
6	$\mathcal{O}(8; \{2^{11}, 3^8, 6^5\})$	7701630047354880
6	$\mathcal{O}(8; \{2^7, 3^{11}, 6^5\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^{14}, 6^5\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{20}, 6^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{16}, 3^3, 6^6\})$	479588684267520
6	$\mathcal{O}(8; \{2^{12}, 3^6, 6^6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^9, 6^6\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^{12}, 6^6\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{15}, 6^6\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{17}, 3, 6^7\})$	242615452041216
6	$\mathcal{O}(8; \{2^{13}, 3^4, 6^7\})$	1923996956884992
6	$\mathcal{O}(8; \{2^9, 3^7, 6^7\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^{10}, 6^7\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^{13}, 6^7\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{14}, 3^2, 6^8\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^5, 6^8\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^8, 6^8\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^{11}, 6^8\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{15}, 6^9\})$	479588684267520
6	$\mathcal{O}(8; \{2^{11}, 3^3, 6^9\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^6, 6^9\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^9, 6^9\})$	246514225933320192
6	$\mathcal{O}(8; \{2^{12}, 3, 6^{10}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^8, 3^4, 6^{10}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^7, 6^{10}\})$	123254291856752640
6	$\mathcal{O}(8; \{3^{10}, 6^{10}\})$	986051261513465856
6	$\mathcal{O}(8; \{2^9, 3^2, 6^{11}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^5, 6^{11}\})$	61629967038283776

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2, 3^8, 6^{11}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{10}, 6^{12}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^6, 3^3, 6^{12}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^6, 6^{12}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^7, 3, 6^{13}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^3, 3^4, 6^{13}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^4, 3^2, 6^{14}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^5, 6^{14}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^5, 6^{15}\})$	30812162409234432
6	$\mathcal{O}(8; \{2, 3^3, 6^{15}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^2, 3, 6^{16}\})$	123254291856752640
6	$\mathcal{O}(8; \{6^{18}\})$	246514225933320192
6	$\mathcal{O}(7; \{2^{34}\})$	78364147712
6	$\mathcal{O}(7; \{2^{30}, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{26}, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{22}, 3^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{18}, 3^{12}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{14}, 3^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2^{10}, 3^{18}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^6, 3^{21}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^2, 3^{24}\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{31}, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{27}, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^{23}, 3^7, 6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{19}, 3^{10}, 6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{15}, 3^{13}, 6\})$	428025064292352
6	$\mathcal{O}(7; \{2^{11}, 3^{16}, 6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^7, 3^{19}, 6\})$	27390312819818496
6	$\mathcal{O}(7; \{2^3, 3^{22}, 6\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{28}, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^{24}, 3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{2^{20}, 3^8, 6^2\})$	26800544120832
6	$\mathcal{O}(7; \{2^{16}, 3^{11}, 6^2\})$	213934167982080
6	$\mathcal{O}(7; \{2^{12}, 3^{14}, 6^2\})$	1711943528841216
6	$\mathcal{O}(7; \{2^8, 3^{17}, 6^2\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 3^{20}, 6^2\})$	109561094550945792
6	$\mathcal{O}(7; \{3^{23}, 6^2\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{29}, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2^{25}, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2^{21}, 3^6, 6^3\})$	13321907896320
6	$\mathcal{O}(7; \{2^{17}, 3^9, 6^3\})$	107045448155136
6	$\mathcal{O}(7; \{2^{13}, 3^{12}, 6^3\})$	855893400256512
6	$\mathcal{O}(7; \{2^9, 3^{15}, 6^3\})$	6847617387036672

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^5, 3^{18}, 6^3\})$	54780468911308800
6	$\mathcal{O}(7; \{2, 3^{21}, 6^3\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{26}, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{2^{22}, 3^4, 6^4\})$	6739318112256
6	$\mathcal{O}(7; \{2^{18}, 3^7, 6^4\})$	53444359913472
6	$\mathcal{O}(7; \{2^{14}, 3^{10}, 6^4\})$	428025064292352
6	$\mathcal{O}(7; \{2^{10}, 3^{13}, 6^4\})$	3423730329354240
6	$\mathcal{O}(7; \{2^6, 3^{16}, 6^4\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3^{19}, 6^4\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{23}, 3^2, 6^5\})$	3291294892032
6	$\mathcal{O}(7; \{2^{19}, 3^5, 6^5\})$	26800544120832
6	$\mathcal{O}(7; \{2^{15}, 3^8, 6^5\})$	213934167982080
6	$\mathcal{O}(7; \{2^{11}, 3^{11}, 6^5\})$	1711943528841216
6	$\mathcal{O}(7; \{2^7, 3^{14}, 6^5\})$	13695078045745152
6	$\mathcal{O}(7; \{2^3, 3^{17}, 6^5\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{24}, 6^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{20}, 3^3, 6^6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{16}, 3^6, 6^6\})$	107045448155136
6	$\mathcal{O}(7; \{2^{12}, 3^9, 6^6\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^{12}, 6^6\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{15}, 6^6\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{18}, 6^6\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{21}, 3, 6^7\})$	6739318112256
6	$\mathcal{O}(7; \{2^{17}, 3^4, 6^7\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^7, 6^7\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^{10}, 6^7\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^{13}, 6^7\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{16}, 6^7\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{18}, 3^2, 6^8\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^5, 6^8\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^8, 6^8\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^{11}, 6^8\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{14}, 6^8\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{19}, 6^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{15}, 3^3, 6^9\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^6, 6^9\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^9, 6^9\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{12}, 6^9\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{16}, 3, 6^{10}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{12}, 3^4, 6^{10}\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^7, 6^{10}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^{10}, 6^{10}\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{13}, 6^{10}\})$	219122032373563392

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{13}, 3^2, 6^{11}\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^5, 6^{11}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^8, 6^{11}\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^{11}, 6^{11}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{14}, 6^{12}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{10}, 3^3, 6^{12}\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^6, 6^{12}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^9, 6^{12}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{11}, 3, 6^{13}\})$	428025064292352
6	$\mathcal{O}(7; \{2^7, 3^4, 6^{13}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^7, 6^{13}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^8, 3^2, 6^{14}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^5, 6^{14}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^8, 6^{14}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^9, 6^{15}\})$	855893400256512
6	$\mathcal{O}(7; \{2^5, 3^3, 6^{15}\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^6, 6^{15}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^6, 3, 6^{16}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^2, 3^4, 6^{16}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^3, 3^2, 6^{17}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 6^{18}\})$	6847617387036672
6	$\mathcal{O}(7; \{3^3, 6^{18}\})$	54780468911308800
6	$\mathcal{O}(7; \{2, 3, 6^{19}\})$	27390312819818496
6	$\mathcal{O}(6; \{2^{38}\})$	2176778240
6	$\mathcal{O}(6; \{2^{34}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{30}, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{26}, 3^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{22}, 3^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{18}, 3^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{14}, 3^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{2^{10}, 3^{21}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^6, 3^{24}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^2, 3^{27}\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{35}, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{31}, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^{27}, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^{23}, 3^{10}, 6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{19}, 3^{13}, 6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{15}, 3^{16}, 6\})$	95103620259840
6	$\mathcal{O}(6; \{2^{11}, 3^{19}, 6\})$	760842022772736
6	$\mathcal{O}(6; \{2^7, 3^{22}, 6\})$	6086723121487872
6	$\mathcal{O}(6; \{2^3, 3^{25}, 6\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{32}, 3^2, 6^2\})$	13060694016

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{28}, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^{24}, 3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{2^{20}, 3^{11}, 6^2\})$	5942615777280
6	$\mathcal{O}(6; \{2^{16}, 3^{14}, 6^2\})$	47553986912256
6	$\mathcal{O}(6; \{2^{12}, 3^{17}, 6^2\})$	380418834604032
6	$\mathcal{O}(6; \{2^8, 3^{20}, 6^2\})$	3043363737526272
6	$\mathcal{O}(6; \{2^4, 3^{23}, 6^2\})$	24346896839516160
6	$\mathcal{O}(6; \{3^{26}, 6^2\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{33}, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{29}, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^{25}, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2^{21}, 3^9, 6^3\})$	2973484670976
6	$\mathcal{O}(6; \{2^{17}, 3^{12}, 6^3\})$	23774816673792
6	$\mathcal{O}(6; \{2^{13}, 3^{15}, 6^3\})$	190211594084352
6	$\mathcal{O}(6; \{2^9, 3^{18}, 6^3\})$	1521679691980800
6	$\mathcal{O}(6; \{2^5, 3^{21}, 6^3\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 3^{24}, 6^3\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{30}, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^{26}, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2^{22}, 3^7, 6^4\})$	1484565553152
6	$\mathcal{O}(6; \{2^{18}, 3^{10}, 6^4\})$	11889585119232
6	$\mathcal{O}(6; \{2^{14}, 3^{13}, 6^4\})$	95103620259840
6	$\mathcal{O}(6; \{2^{10}, 3^{16}, 6^4\})$	760842022772736
6	$\mathcal{O}(6; \{2^6, 3^{19}, 6^4\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^{22}, 6^4\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{27}, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^{23}, 3^5, 6^5\})$	744459558912
6	$\mathcal{O}(6; \{2^{19}, 3^8, 6^5\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^{11}, 6^5\})$	47553986912256
6	$\mathcal{O}(6; \{2^{11}, 3^{14}, 6^5\})$	380418834604032
6	$\mathcal{O}(6; \{2^7, 3^{17}, 6^5\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 3^{20}, 6^5\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{28}, 6^6\})$	47889211392
6	$\mathcal{O}(6; \{2^{24}, 3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{2^{20}, 3^6, 6^6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^9, 6^6\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^{12}, 6^6\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{15}, 6^6\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{18}, 6^6\})$	12173450596540416
6	$\mathcal{O}(6; \{3^{21}, 6^6\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{25}, 3, 6^7\})$	187203280896
6	$\mathcal{O}(6; \{2^{21}, 3^4, 6^7\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^7, 6^7\})$	11889585119232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{13}, 3^{10}, 6^7\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^{13}, 6^7\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{16}, 6^7\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{19}, 6^7\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{22}, 3^2, 6^8\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^5, 6^8\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^8, 6^8\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^{11}, 6^8\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{14}, 6^8\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{17}, 6^8\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{23}, 6^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{19}, 3^3, 6^9\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^6, 6^9\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^9, 6^9\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{12}, 6^9\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{15}, 6^9\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{20}, 3, 6^{10}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{16}, 3^4, 6^{10}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^7, 6^{10}\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^{10}, 6^{10}\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{13}, 6^{10}\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{16}, 6^{10}\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{17}, 3^2, 6^{11}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^5, 6^{11}\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^8, 6^{11}\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^{11}, 6^{11}\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{14}, 6^{11}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{18}, 6^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 3^3, 6^{12}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^6, 6^{12}\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^9, 6^{12}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{12}, 6^{12}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{15}, 3, 6^{13}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{11}, 3^4, 6^{13}\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^7, 6^{13}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^{10}, 6^{13}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{12}, 3^2, 6^{14}\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^5, 6^{14}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^8, 6^{14}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^{11}, 6^{14}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{13}, 6^{15}\})$	23774816673792
6	$\mathcal{O}(6; \{2^9, 3^3, 6^{15}\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^6, 6^{15}\})$	1521679691980800

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2, 3^9, 6^{15}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{10}, 3, 6^{16}\})$	95103620259840
6	$\mathcal{O}(6; \{2^6, 3^4, 6^{16}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^7, 6^{16}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^7, 3^2, 6^{17}\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^5, 6^{17}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^8, 6^{18}\})$	190211594084352
6	$\mathcal{O}(6; \{2^4, 3^3, 6^{18}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^6, 6^{18}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^5, 3, 6^{19}\})$	760842022772736
6	$\mathcal{O}(6; \{2, 3^4, 6^{19}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^2, 6^{20}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 6^{21}\})$	1521679691980800
6	$\mathcal{O}(6; \{3, 6^{22}\})$	6086723121487872
6	$\mathcal{O}(5; \{2^{42}\})$	60465152
6	$\mathcal{O}(5; \{2^{38}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{34}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{30}, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{26}, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{22}, 3^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{18}, 3^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{14}, 3^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{2^{10}, 3^{24}\})$	338151405459456
6	$\mathcal{O}(5; \{2^6, 3^{27}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^2, 3^{30}\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{39}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{35}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^{31}, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^{27}, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^{23}, 3^{13}, 6\})$	330266253312
6	$\mathcal{O}(5; \{2^{19}, 3^{16}, 6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{15}, 3^{19}, 6\})$	21134500632576
6	$\mathcal{O}(5; \{2^{11}, 3^{22}, 6\})$	169075642263552
6	$\mathcal{O}(5; \{2^7, 3^{25}, 6\})$	1352605500905472
6	$\mathcal{O}(5; \{2^3, 3^{28}, 6\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{36}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^{32}, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^{28}, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^{24}, 3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{2^{20}, 3^{14}, 6^2\})$	1320944080896
6	$\mathcal{O}(5; \{2^{16}, 3^{17}, 6^2\})$	10567189850112
6	$\mathcal{O}(5; \{2^{12}, 3^{20}, 6^2\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 3^{23}, 6^2\})$	676302689986560

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^4, 3^{26}, 6^2\})$	5410421882689536
6	$\mathcal{O}(5; \{3^{29}, 6^2\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{37}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^{33}, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^{29}, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^{25}, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2^{21}, 3^{12}, 6^3\})$	660411574272
6	$\mathcal{O}(5; \{2^{17}, 3^{15}, 6^3\})$	5283655391232
6	$\mathcal{O}(5; \{2^{13}, 3^{18}, 6^3\})$	42268880332800
6	$\mathcal{O}(5; \{2^9, 3^{21}, 6^3\})$	338151405459456
6	$\mathcal{O}(5; \{2^5, 3^{24}, 6^3\})$	2705210880878592
6	$\mathcal{O}(5; \{2, 3^{27}, 6^3\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{34}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^{30}, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^{26}, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{2^{22}, 3^{10}, 6^4\})$	330266253312
6	$\mathcal{O}(5; \{2^{18}, 3^{13}, 6^4\})$	2641767229440
6	$\mathcal{O}(5; \{2^{14}, 3^{16}, 6^4\})$	21134500632576
6	$\mathcal{O}(5; \{2^{10}, 3^{19}, 6^4\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3^{22}, 6^4\})$	1352605500905472
6	$\mathcal{O}(5; \{2^2, 3^{25}, 6^4\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{31}, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^{27}, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^{23}, 3^8, 6^5\})$	165072660480
6	$\mathcal{O}(5; \{2^{19}, 3^{11}, 6^5\})$	1320944080896
6	$\mathcal{O}(5; \{2^{15}, 3^{14}, 6^5\})$	10567189850112
6	$\mathcal{O}(5; \{2^{11}, 3^{17}, 6^5\})$	84537881597952
6	$\mathcal{O}(5; \{2^7, 3^{20}, 6^5\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3^{23}, 6^5\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{32}, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{28}, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^{24}, 3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^9, 6^6\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^{12}, 6^6\})$	5283655391232
6	$\mathcal{O}(5; \{2^{12}, 3^{15}, 6^6\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{18}, 6^6\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{21}, 6^6\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{24}, 6^6\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{29}, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2^{25}, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^7, 6^7\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^{10}, 6^7\})$	2641767229440
6	$\mathcal{O}(5; \{2^{13}, 3^{13}, 6^7\})$	21134500632576

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^9, 3^{16}, 6^7\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{19}, 6^7\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{22}, 6^7\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{26}, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2^{22}, 3^5, 6^8\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^8, 6^8\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^{11}, 6^8\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{14}, 6^8\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{17}, 6^8\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{20}, 6^8\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{27}, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{23}, 3^3, 6^9\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^6, 6^9\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^9, 6^9\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{12}, 6^9\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{15}, 6^9\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{18}, 6^9\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{24}, 3, 6^{10}\})$	41237932032
6	$\mathcal{O}(5; \{2^{20}, 3^4, 6^{10}\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^7, 6^{10}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^{10}, 6^{10}\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{13}, 6^{10}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{16}, 6^{10}\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{19}, 6^{10}\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{21}, 3^2, 6^{11}\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^5, 6^{11}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^8, 6^{11}\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^{11}, 6^{11}\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{14}, 6^{11}\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{17}, 6^{11}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{22}, 6^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{18}, 3^3, 6^{12}\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^6, 6^{12}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^9, 6^{12}\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{12}, 6^{12}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{15}, 6^{12}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{19}, 3, 6^{13}\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^4, 6^{13}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^7, 6^{13}\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^{10}, 6^{13}\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{13}, 6^{13}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{16}, 3^2, 6^{14}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^5, 6^{14}\})$	10567189850112

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^8, 3^8, 6^{14}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^{11}, 6^{14}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{14}, 6^{14}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{17}, 6^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^3, 6^{15}\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^6, 6^{15}\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^9, 6^{15}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{12}, 6^{15}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{14}, 3, 6^{16}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{10}, 3^4, 6^{16}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^7, 6^{16}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^{10}, 6^{16}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{11}, 3^2, 6^{17}\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^5, 6^{17}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^8, 6^{17}\})$	676302689986560
6	$\mathcal{O}(5; \{2^{12}, 6^{18}\})$	5283655391232
6	$\mathcal{O}(5; \{2^8, 3^3, 6^{18}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^6, 6^{18}\})$	338151405459456
6	$\mathcal{O}(5; \{3^9, 6^{18}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^9, 3, 6^{19}\})$	21134500632576
6	$\mathcal{O}(5; \{2^5, 3^4, 6^{19}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^7, 6^{19}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^6, 3^2, 6^{20}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^5, 6^{20}\})$	676302689986560
6	$\mathcal{O}(5; \{2^7, 6^{21}\})$	42268880332800
6	$\mathcal{O}(5; \{2^3, 3^3, 6^{21}\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3, 6^{22}\})$	169075642263552
6	$\mathcal{O}(5; \{3^4, 6^{22}\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^2, 6^{23}\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 6^{24}\})$	338151405459456
6	$\mathcal{O}(4; \{2^{46}\})$	1679360
6	$\mathcal{O}(4; \{2^{42}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{38}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{34}, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^{30}, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{26}, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{22}, 3^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{18}, 3^{21}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{14}, 3^{24}\})$	9393094596096
6	$\mathcal{O}(4; \{2^{10}, 3^{27}\})$	75144746691072
6	$\mathcal{O}(4; \{2^6, 3^{30}\})$	601157983606272
6	$\mathcal{O}(4; \{2^2, 3^{33}\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{43}, 3, 6\})$	3359232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{39}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{35}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^{31}, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^{27}, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2^{23}, 3^{16}, 6\})$	73382423040
6	$\mathcal{O}(4; \{2^{19}, 3^{19}, 6\})$	587069462016
6	$\mathcal{O}(4; \{2^{15}, 3^{22}, 6\})$	4696545618432
6	$\mathcal{O}(4; \{2^{11}, 3^{25}, 6\})$	37572375025152
6	$\mathcal{O}(4; \{2^7, 3^{28}, 6\})$	300578990123520
6	$\mathcal{O}(4; \{2^3, 3^{31}, 6\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{40}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{36}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^{32}, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^{28}, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^{24}, 3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{2^{20}, 3^{17}, 6^2\})$	293533051392
6	$\mathcal{O}(4; \{2^{16}, 3^{20}, 6^2\})$	2348274488832
6	$\mathcal{O}(4; \{2^{12}, 3^{23}, 6^2\})$	18786185832960
6	$\mathcal{O}(4; \{2^8, 3^{26}, 6^2\})$	150289496741376
6	$\mathcal{O}(4; \{2^4, 3^{29}, 6^2\})$	1202315963853312
6	$\mathcal{O}(4; \{3^{32}, 6^2\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{41}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{37}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^{33}, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^{29}, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^{25}, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2^{21}, 3^{15}, 6^3\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 3^{18}, 6^3\})$	1174135564800
6	$\mathcal{O}(4; \{2^{13}, 3^{21}, 6^3\})$	9393094596096
6	$\mathcal{O}(4; \{2^9, 3^{24}, 6^3\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 3^{27}, 6^3\})$	601157983606272
6	$\mathcal{O}(4; \{2, 3^{30}, 6^3\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{38}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{34}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^{30}, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^{26}, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^{22}, 3^{13}, 6^4\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^{16}, 6^4\})$	587069462016
6	$\mathcal{O}(4; \{2^{14}, 3^{19}, 6^4\})$	4696545618432
6	$\mathcal{O}(4; \{2^{10}, 3^{22}, 6^4\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 3^{25}, 6^4\})$	300578990123520
6	$\mathcal{O}(4; \{2^2, 3^{28}, 6^4\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{35}, 3^2, 6^5\})$	70543872

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{31}, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^{27}, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^{23}, 3^{11}, 6^5\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 3^{14}, 6^5\})$	293533051392
6	$\mathcal{O}(4; \{2^{15}, 3^{17}, 6^5\})$	2348274488832
6	$\mathcal{O}(4; \{2^{11}, 3^{20}, 6^5\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^{23}, 6^5\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^{26}, 6^5\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{36}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^{32}, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^{28}, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^{12}, 6^6\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{15}, 6^6\})$	1174135564800
6	$\mathcal{O}(4; \{2^{12}, 3^{18}, 6^6\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{21}, 6^6\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{24}, 6^6\})$	601157983606272
6	$\mathcal{O}(4; \{3^{27}, 6^6\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{33}, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^{29}, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^{10}, 6^7\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^{13}, 6^7\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{16}, 6^7\})$	4696545618432
6	$\mathcal{O}(4; \{2^9, 3^{19}, 6^7\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3^{22}, 6^7\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{25}, 6^7\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{30}, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^8, 6^8\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^{11}, 6^8\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{14}, 6^8\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{17}, 6^8\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{20}, 6^8\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{23}, 6^8\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{31}, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^{27}, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^6, 6^9\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^9, 6^9\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{12}, 6^9\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{15}, 6^9\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{18}, 6^9\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{21}, 6^9\})$	601157983606272

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{28}, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{2^{24}, 3^4, 6^{10}\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^7, 6^{10}\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^{10}, 6^{10}\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{13}, 6^{10}\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{16}, 6^{10}\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{19}, 6^{10}\})$	300578990123520
6	$\mathcal{O}(4; \{3^{22}, 6^{10}\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{25}, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^5, 6^{11}\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^8, 6^{11}\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^{11}, 6^{11}\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{14}, 6^{11}\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{17}, 6^{11}\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{20}, 6^{11}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{26}, 6^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{22}, 3^3, 6^{12}\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^6, 6^{12}\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^9, 6^{12}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{12}, 6^{12}\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{15}, 6^{12}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{18}, 6^{12}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{23}, 3, 6^{13}\})$	9174062592
6	$\mathcal{O}(4; \{2^{19}, 3^4, 6^{13}\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^7, 6^{13}\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^{10}, 6^{13}\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{13}, 6^{13}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{16}, 6^{13}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{20}, 3^2, 6^{14}\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^5, 6^{14}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^8, 6^{14}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^{11}, 6^{14}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{14}, 6^{14}\})$	150289496741376
6	$\mathcal{O}(4; \{3^{17}, 6^{14}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{21}, 6^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{17}, 3^3, 6^{15}\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^6, 6^{15}\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^9, 6^{15}\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{12}, 6^{15}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{15}, 6^{15}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{18}, 3, 6^{16}\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3^4, 6^{16}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^7, 6^{16}\})$	4696545618432

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^6, 3^{10}, 6^{16}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{13}, 6^{16}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{15}, 3^2, 6^{17}\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^5, 6^{17}\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^8, 6^{17}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^{11}, 6^{17}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{16}, 6^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{12}, 3^3, 6^{18}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^6, 6^{18}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^9, 6^{18}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{12}, 6^{18}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{13}, 3, 6^{19}\})$	587069462016
6	$\mathcal{O}(4; \{2^9, 3^4, 6^{19}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^7, 6^{19}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^{10}, 6^{19}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^{20}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^5, 6^{20}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^8, 6^{20}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{11}, 6^{21}\})$	1174135564800
6	$\mathcal{O}(4; \{2^7, 3^3, 6^{21}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^6, 6^{21}\})$	75144746691072
6	$\mathcal{O}(4; \{2^8, 3, 6^{22}\})$	4696545618432
6	$\mathcal{O}(4; \{2^4, 3^4, 6^{22}\})$	37572375025152
6	$\mathcal{O}(4; \{3^7, 6^{22}\})$	300578990123520
6	$\mathcal{O}(4; \{2^5, 3^2, 6^{23}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^5, 6^{23}\})$	150289496741376
6	$\mathcal{O}(4; \{2^6, 6^{24}\})$	9393094596096
6	$\mathcal{O}(4; \{2^2, 3^3, 6^{24}\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3, 6^{25}\})$	37572375025152
6	$\mathcal{O}(4; \{3^2, 6^{26}\})$	150289496741376
6	$\mathcal{O}(4; \{2, 6^{27}\})$	75144746691072
6	$\mathcal{O}(3; \{2^{50}\})$	46592
6	$\mathcal{O}(3; \{2^{46}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{42}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{38}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{34}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{30}, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{26}, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{22}, 3^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^{18}, 3^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^{14}, 3^{27}\})$	2087354074752
6	$\mathcal{O}(3; \{2^{10}, 3^{30}\})$	16698832877952
6	$\mathcal{O}(3; \{2^6, 3^{33}\})$	133590662743680

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^{36}\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{47}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{43}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{39}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{35}, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^{31}, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^{27}, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^{23}, 3^{19}, 6\})$	16307485056
6	$\mathcal{O}(3; \{2^{19}, 3^{22}, 6\})$	130459600512
6	$\mathcal{O}(3; \{2^{15}, 3^{25}, 6\})$	1043677084032
6	$\mathcal{O}(3; \{2^{11}, 3^{28}, 6\})$	8349416392320
6	$\mathcal{O}(3; \{2^7, 3^{31}, 6\})$	66795331418496
6	$\mathcal{O}(3; \{2^3, 3^{34}, 6\})$	534362651068032
6	$\mathcal{O}(3; \{2^{44}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{40}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{36}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^{32}, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^{28}, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^{24}, 3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{2^{20}, 3^{20}, 6^2\})$	65229846912
6	$\mathcal{O}(3; \{2^{16}, 3^{23}, 6^2\})$	521838495360
6	$\mathcal{O}(3; \{2^{12}, 3^{26}, 6^2\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 3^{29}, 6^2\})$	33397665662592
6	$\mathcal{O}(3; \{2^4, 3^{32}, 6^2\})$	267181325580672
6	$\mathcal{O}(3; \{3^{35}, 6^2\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{45}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{41}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{37}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^{33}, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^{29}, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^{25}, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2^{21}, 3^{18}, 6^3\})$	32614876800
6	$\mathcal{O}(3; \{2^{17}, 3^{21}, 6^3\})$	260919294336
6	$\mathcal{O}(3; \{2^{13}, 3^{24}, 6^3\})$	2087354074752
6	$\mathcal{O}(3; \{2^9, 3^{27}, 6^3\})$	16698832877952
6	$\mathcal{O}(3; \{2^5, 3^{30}, 6^3\})$	133590662743680
6	$\mathcal{O}(3; \{2, 3^{33}, 6^3\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{42}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{38}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{34}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^{30}, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^{26}, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^{22}, 3^{16}, 6^4\})$	16307485056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{18}, 3^{19}, 6^4\})$	130459600512
6	$\mathcal{O}(3; \{2^{14}, 3^{22}, 6^4\})$	1043677084032
6	$\mathcal{O}(3; \{2^{10}, 3^{25}, 6^4\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3^{28}, 6^4\})$	66795331418496
6	$\mathcal{O}(3; \{2^2, 3^{31}, 6^4\})$	534362651068032
6	$\mathcal{O}(3; \{2^{39}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{35}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^{31}, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^{27}, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^{23}, 3^{14}, 6^5\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3^{17}, 6^5\})$	65229846912
6	$\mathcal{O}(3; \{2^{15}, 3^{20}, 6^5\})$	521838495360
6	$\mathcal{O}(3; \{2^{11}, 3^{23}, 6^5\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3^{26}, 6^5\})$	33397665662592
6	$\mathcal{O}(3; \{2^3, 3^{29}, 6^5\})$	267181325580672
6	$\mathcal{O}(3; \{2^{40}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{36}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^{32}, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{15}, 6^6\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{18}, 6^6\})$	260919294336
6	$\mathcal{O}(3; \{2^{12}, 3^{21}, 6^6\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{24}, 6^6\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{27}, 6^6\})$	133590662743680
6	$\mathcal{O}(3; \{3^{30}, 6^6\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{37}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^{33}, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^{29}, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^{10}, 6^7\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^{13}, 6^7\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{16}, 6^7\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{19}, 6^7\})$	1043677084032
6	$\mathcal{O}(3; \{2^9, 3^{22}, 6^7\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{25}, 6^7\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{28}, 6^7\})$	534362651068032
6	$\mathcal{O}(3; \{2^{34}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^{11}, 6^8\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{14}, 6^8\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{17}, 6^8\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{20}, 6^8\})$	4174708242816

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^6, 3^{23}, 6^8\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{26}, 6^8\})$	267181325580672
6	$\mathcal{O}(3; \{2^{35}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^{31}, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^9, 6^9\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{12}, 6^9\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{15}, 6^9\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{18}, 6^9\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{21}, 6^9\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{24}, 6^9\})$	133590662743680
6	$\mathcal{O}(3; \{2^{32}, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^{28}, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^{10}, 6^{10}\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{13}, 6^{10}\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{16}, 6^{10}\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{19}, 6^{10}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{22}, 6^{10}\})$	66795331418496
6	$\mathcal{O}(3; \{3^{25}, 6^{10}\})$	534362651068032
6	$\mathcal{O}(3; \{2^{29}, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^5, 6^{11}\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^8, 6^{11}\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^{11}, 6^{11}\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{14}, 6^{11}\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{17}, 6^{11}\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{20}, 6^{11}\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{23}, 6^{11}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{30}, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{26}, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^6, 6^{12}\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^9, 6^{12}\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{12}, 6^{12}\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{15}, 6^{12}\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{18}, 6^{12}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{21}, 6^{12}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{27}, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{2^{23}, 3^4, 6^{13}\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^7, 6^{13}\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^{10}, 6^{13}\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{13}, 6^{13}\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{16}, 6^{13}\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{19}, 6^{13}\})$	66795331418496

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{24}, 3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^5, 6^{14}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^8, 6^{14}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^{11}, 6^{14}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{14}, 6^{14}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{17}, 6^{14}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{20}, 6^{14}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{25}, 6^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{21}, 3^3, 6^{15}\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^6, 6^{15}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^9, 6^{15}\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{12}, 6^{15}\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{15}, 6^{15}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{18}, 6^{15}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{22}, 3, 6^{16}\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^4, 6^{16}\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^7, 6^{16}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^{10}, 6^{16}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{13}, 6^{16}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{16}, 6^{16}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{19}, 3^2, 6^{17}\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^5, 6^{17}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^8, 6^{17}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^{11}, 6^{17}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{14}, 6^{17}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{20}, 6^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^3, 6^{18}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^6, 6^{18}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^9, 6^{18}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{12}, 6^{18}\})$	16698832877952
6	$\mathcal{O}(3; \{3^{15}, 6^{18}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{17}, 3, 6^{19}\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6^{19}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^7, 6^{19}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6^{19}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{13}, 6^{19}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^{20}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^{20}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^8, 6^{20}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^{20}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{15}, 6^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^{21}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^6, 6^{21}\})$	2087354074752

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^3, 3^9, 6^{21}\})$	16698832877952
6	$\mathcal{O}(3; \{2^{12}, 3, 6^{22}\})$	130459600512
6	$\mathcal{O}(3; \{2^8, 3^4, 6^{22}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^7, 6^{22}\})$	8349416392320
6	$\mathcal{O}(3; \{3^{10}, 6^{22}\})$	66795331418496
6	$\mathcal{O}(3; \{2^9, 3^2, 6^{23}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^5, 6^{23}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^8, 6^{23}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{10}, 6^{24}\})$	260919294336
6	$\mathcal{O}(3; \{2^6, 3^3, 6^{24}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^6, 6^{24}\})$	16698832877952
6	$\mathcal{O}(3; \{2^7, 3, 6^{25}\})$	1043677084032
6	$\mathcal{O}(3; \{2^3, 3^4, 6^{25}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^2, 6^{26}\})$	4174708242816
6	$\mathcal{O}(3; \{3^5, 6^{26}\})$	33397665662592
6	$\mathcal{O}(3; \{2^5, 6^{27}\})$	2087354074752
6	$\mathcal{O}(3; \{2, 3^3, 6^{27}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3, 6^{28}\})$	8349416392320
6	$\mathcal{O}(3; \{6^{30}\})$	16698832877952
6	$\mathcal{O}(2; \{2^{54}\})$	1280
6	$\mathcal{O}(2; \{2^{50}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{46}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{42}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{38}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{34}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{30}, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{26}, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{22}, 3^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^{18}, 3^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2^{14}, 3^{30}\})$	463856468832
6	$\mathcal{O}(2; \{2^{10}, 3^{33}\})$	3710851742880
6	$\mathcal{O}(2; \{2^6, 3^{36}\})$	29686813950816
6	$\mathcal{O}(2; \{2^2, 3^{39}\})$	237494511598752
6	$\mathcal{O}(2; \{2^{51}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{47}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{43}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{39}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{35}, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^{31}, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^{27}, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^{23}, 3^{22}, 6\})$	3623877792
6	$\mathcal{O}(2; \{2^{19}, 3^{25}, 6\})$	28991030112
6	$\mathcal{O}(2; \{2^{15}, 3^{28}, 6\})$	231928233120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{11}, 3^{31}, 6\})$	1855425872736
6	$\mathcal{O}(2; \{2^7, 3^{34}, 6\})$	14843406974112
6	$\mathcal{O}(2; \{2^3, 3^{37}, 6\})$	118747255800672
6	$\mathcal{O}(2; \{2^{48}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{44}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{40}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{36}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^{32}, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^{28}, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^{24}, 3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{2^{20}, 3^{23}, 6^2\})$	14495513760
6	$\mathcal{O}(2; \{2^{16}, 3^{26}, 6^2\})$	115964117856
6	$\mathcal{O}(2; \{2^{12}, 3^{29}, 6^2\})$	927712935072
6	$\mathcal{O}(2; \{2^8, 3^{32}, 6^2\})$	7421703488352
6	$\mathcal{O}(2; \{2^4, 3^{35}, 6^2\})$	59373627899040
6	$\mathcal{O}(2; \{3^{38}, 6^2\})$	474989023200096
6	$\mathcal{O}(2; \{2^{49}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{45}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{41}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{37}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^{33}, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^{29}, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^{25}, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2^{21}, 3^{21}, 6^3\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 3^{24}, 6^3\})$	57982057632
6	$\mathcal{O}(2; \{2^{13}, 3^{27}, 6^3\})$	463856468832
6	$\mathcal{O}(2; \{2^9, 3^{30}, 6^3\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 3^{33}, 6^3\})$	29686813950816
6	$\mathcal{O}(2; \{2, 3^{36}, 6^3\})$	237494511598752
6	$\mathcal{O}(2; \{2^{46}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{42}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{38}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{34}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^{30}, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^{26}, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^{19}, 6^4\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^{22}, 6^4\})$	28991030112
6	$\mathcal{O}(2; \{2^{14}, 3^{25}, 6^4\})$	231928233120
6	$\mathcal{O}(2; \{2^{10}, 3^{28}, 6^4\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^{31}, 6^4\})$	14843406974112
6	$\mathcal{O}(2; \{2^2, 3^{34}, 6^4\})$	118747255800672
6	$\mathcal{O}(2; \{2^{43}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{39}, 3^5, 6^5\})$	443232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{35}, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^{31}, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^{27}, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 3^{17}, 6^5\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^{20}, 6^5\})$	14495513760
6	$\mathcal{O}(2; \{2^{15}, 3^{23}, 6^5\})$	115964117856
6	$\mathcal{O}(2; \{2^{11}, 3^{26}, 6^5\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^{29}, 6^5\})$	7421703488352
6	$\mathcal{O}(2; \{2^3, 3^{32}, 6^5\})$	59373627899040
6	$\mathcal{O}(2; \{2^{44}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{40}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{36}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{15}, 6^6\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{18}, 6^6\})$	7247758176
6	$\mathcal{O}(2; \{2^{16}, 3^{21}, 6^6\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{24}, 6^6\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{27}, 6^6\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{30}, 6^6\})$	29686813950816
6	$\mathcal{O}(2; \{3^{33}, 6^6\})$	237494511598752
6	$\mathcal{O}(2; \{2^{41}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{37}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{16}, 6^7\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{19}, 6^7\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{22}, 6^7\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{25}, 6^7\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{28}, 6^7\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{31}, 6^7\})$	118747255800672
6	$\mathcal{O}(2; \{2^{38}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{14}, 6^8\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{17}, 6^8\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{20}, 6^8\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{23}, 6^8\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{26}, 6^8\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{29}, 6^8\})$	59373627899040
6	$\mathcal{O}(2; \{2^{39}, 6^9\})$	220320

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{35}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{12}, 6^9\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{15}, 6^9\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{18}, 6^9\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{21}, 6^9\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{24}, 6^9\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{27}, 6^9\})$	29686813950816
6	$\mathcal{O}(2; \{2^{36}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^{32}, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{13}, 6^{10}\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{16}, 6^{10}\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{19}, 6^{10}\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{22}, 6^{10}\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{25}, 6^{10}\})$	14843406974112
6	$\mathcal{O}(2; \{3^{28}, 6^{10}\})$	118747255800672
6	$\mathcal{O}(2; \{2^{33}, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^{11}, 6^{11}\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{14}, 6^{11}\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{17}, 6^{11}\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{20}, 6^{11}\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{23}, 6^{11}\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{26}, 6^{11}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{34}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{30}, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^9, 6^{12}\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{12}, 6^{12}\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{15}, 6^{12}\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{18}, 6^{12}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{21}, 6^{12}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{24}, 6^{12}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{31}, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^{27}, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^7, 6^{13}\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^{10}, 6^{13}\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{13}, 6^{13}\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{16}, 6^{13}\})$	231928233120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^7, 3^{19}, 6^{13}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{22}, 6^{13}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{28}, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^8, 6^{14}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^{11}, 6^{14}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{14}, 6^{14}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{17}, 6^{14}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{20}, 6^{14}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{23}, 6^{14}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{29}, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{25}, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^6, 6^{15}\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^9, 6^{15}\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{12}, 6^{15}\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{15}, 6^{15}\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{18}, 6^{15}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{21}, 6^{15}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{26}, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{2^{22}, 3^4, 6^{16}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^7, 6^{16}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^{10}, 6^{16}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{13}, 6^{16}\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{16}, 6^{16}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{19}, 6^{16}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{23}, 3^2, 6^{17}\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^5, 6^{17}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^8, 6^{17}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^{11}, 6^{17}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{14}, 6^{17}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{17}, 6^{17}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{24}, 6^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3^3, 6^{18}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^6, 6^{18}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^9, 6^{18}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{12}, 6^{18}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{15}, 6^{18}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{18}, 6^{18}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{21}, 3, 6^{19}\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^4, 6^{19}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^7, 6^{19}\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^{10}, 6^{19}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{13}, 6^{19}\})$	1855425872736

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2, 3^{16}, 6^{19}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{18}, 3^2, 6^{20}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^5, 6^{20}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^8, 6^{20}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^{11}, 6^{20}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{14}, 6^{20}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{19}, 6^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 3^3, 6^{21}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^6, 6^{21}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^9, 6^{21}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{12}, 6^{21}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{16}, 3, 6^{22}\})$	3623877792
6	$\mathcal{O}(2; \{2^{12}, 3^4, 6^{22}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^7, 6^{22}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^{10}, 6^{22}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{13}, 6^{22}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{13}, 3^2, 6^{23}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^5, 6^{23}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^8, 6^{23}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^{11}, 6^{23}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{14}, 6^{24}\})$	7247758176
6	$\mathcal{O}(2; \{2^{10}, 3^3, 6^{24}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^6, 6^{24}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^9, 6^{24}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{11}, 3, 6^{25}\})$	28991030112
6	$\mathcal{O}(2; \{2^7, 3^4, 6^{25}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^7, 6^{25}\})$	1855425872736
6	$\mathcal{O}(2; \{2^8, 3^2, 6^{26}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^5, 6^{26}\})$	927712935072
6	$\mathcal{O}(2; \{3^8, 6^{26}\})$	7421703488352
6	$\mathcal{O}(2; \{2^9, 6^{27}\})$	57982057632
6	$\mathcal{O}(2; \{2^5, 3^3, 6^{27}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^6, 6^{27}\})$	3710851742880
6	$\mathcal{O}(2; \{2^6, 3, 6^{28}\})$	231928233120
6	$\mathcal{O}(2; \{2^2, 3^4, 6^{28}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^2, 6^{29}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 6^{30}\})$	463856468832
6	$\mathcal{O}(2; \{3^3, 6^{30}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3, 6^{31}\})$	1855425872736
6	$\mathcal{O}(1; \{2^{58}\})$	32
6	$\mathcal{O}(1; \{2^{54}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{50}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{46}, 3^9\})$	6120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{42}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{38}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{34}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{30}, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{26}, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{22}, 3^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^{18}, 3^{30}\})$	12884901912
6	$\mathcal{O}(1; \{2^{14}, 3^{33}\})$	103079215080
6	$\mathcal{O}(1; \{2^{10}, 3^{36}\})$	824633720856
6	$\mathcal{O}(1; \{2^6, 3^{39}\})$	6597069766632
6	$\mathcal{O}(1; \{2^2, 3^{42}\})$	52776558133272
6	$\mathcal{O}(1; \{2^{55}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{51}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{47}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{43}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{39}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{35}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^{31}, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^{27}, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2^{23}, 3^{25}, 6\})$	805306392
6	$\mathcal{O}(1; \{2^{19}, 3^{28}, 6\})$	6442450920
6	$\mathcal{O}(1; \{2^{15}, 3^{31}, 6\})$	51539607576
6	$\mathcal{O}(1; \{2^{11}, 3^{34}, 6\})$	412316860392
6	$\mathcal{O}(1; \{2^7, 3^{37}, 6\})$	3298534883352
6	$\mathcal{O}(1; \{2^3, 3^{40}, 6\})$	26388279066600
6	$\mathcal{O}(1; \{2^{52}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{48}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{44}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{40}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{36}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^{32}, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^{28}, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{2^{20}, 3^{26}, 6^2\})$	3221225496
6	$\mathcal{O}(1; \{2^{16}, 3^{29}, 6^2\})$	25769803752
6	$\mathcal{O}(1; \{2^{12}, 3^{32}, 6^2\})$	206158430232
6	$\mathcal{O}(1; \{2^8, 3^{35}, 6^2\})$	1649267441640
6	$\mathcal{O}(1; \{2^4, 3^{38}, 6^2\})$	13194139533336
6	$\mathcal{O}(1; \{3^{41}, 6^2\})$	105553116266472
6	$\mathcal{O}(1; \{2^{53}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{49}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{45}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{41}, 3^9, 6^3\})$	49176

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{37}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^{33}, 3^{15}, 6^3\})$	3145752
6	$\mathcal{O}(1; \{2^{29}, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2^{25}, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2^{21}, 3^{24}, 6^3\})$	1610612712
6	$\mathcal{O}(1; \{2^{17}, 3^{27}, 6^3\})$	12884901912
6	$\mathcal{O}(1; \{2^{13}, 3^{30}, 6^3\})$	103079215080
6	$\mathcal{O}(1; \{2^9, 3^{33}, 6^3\})$	824633720856
6	$\mathcal{O}(1; \{2^5, 3^{36}, 6^3\})$	6597069766632
6	$\mathcal{O}(1; \{2, 3^{39}, 6^3\})$	52776558133272
6	$\mathcal{O}(1; \{2^{50}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^{46}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{42}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{38}, 3^{10}, 6^4\})$	196632
6	$\mathcal{O}(1; \{2^{34}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^{30}, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^{26}, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3^{22}, 6^4\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3^{25}, 6^4\})$	6442450920
6	$\mathcal{O}(1; \{2^{14}, 3^{28}, 6^4\})$	51539607576
6	$\mathcal{O}(1; \{2^{10}, 3^{31}, 6^4\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3^{34}, 6^4\})$	3298534883352
6	$\mathcal{O}(1; \{2^2, 3^{37}, 6^4\})$	26388279066600
6	$\mathcal{O}(1; \{2^{47}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{43}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{39}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{35}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^{31}, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^{27}, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2^{23}, 3^{20}, 6^5\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3^{23}, 6^5\})$	3221225496
6	$\mathcal{O}(1; \{2^{15}, 3^{26}, 6^5\})$	25769803752
6	$\mathcal{O}(1; \{2^{11}, 3^{29}, 6^5\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3^{32}, 6^5\})$	1649267441640
6	$\mathcal{O}(1; \{2^3, 3^{35}, 6^5\})$	13194139533336
6	$\mathcal{O}(1; \{2^{48}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{44}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{40}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{21}, 6^6\})$	1610612712

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^{24}, 6^6\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{27}, 6^6\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{30}, 6^6\})$	824633720856
6	$\mathcal{O}(1; \{2^4, 3^{33}, 6^6\})$	6597069766632
6	$\mathcal{O}(1; \{3^{36}, 6^6\})$	52776558133272
6	$\mathcal{O}(1; \{2^{45}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{41}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^{25}, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{19}, 6^7\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{22}, 6^7\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{25}, 6^7\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{28}, 6^7\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{31}, 6^7\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{34}, 6^7\})$	26388279066600
6	$\mathcal{O}(1; \{2^{42}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{17}, 6^8\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{20}, 6^8\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{23}, 6^8\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{26}, 6^8\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{29}, 6^8\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{32}, 6^8\})$	13194139533336
6	$\mathcal{O}(1; \{2^{43}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{39}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{15}, 6^9\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{18}, 6^9\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{21}, 6^9\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{24}, 6^9\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{27}, 6^9\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{30}, 6^9\})$	6597069766632
6	$\mathcal{O}(1; \{2^{40}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{36}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^{10}, 6^{10}\})$	12582936

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{24}, 3^{13}, 6^{10}\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{16}, 6^{10}\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{19}, 6^{10}\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{22}, 6^{10}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{25}, 6^{10}\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{28}, 6^{10}\})$	3298534883352
6	$\mathcal{O}(1; \{3^{31}, 6^{10}\})$	26388279066600
6	$\mathcal{O}(1; \{2^{37}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{14}, 6^{11}\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{17}, 6^{11}\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{20}, 6^{11}\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{23}, 6^{11}\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{26}, 6^{11}\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{29}, 6^{11}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{38}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{34}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{12}, 6^{12}\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{15}, 6^{12}\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{18}, 6^{12}\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{21}, 6^{12}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{24}, 6^{12}\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{27}, 6^{12}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{35}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^{31}, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^{10}, 6^{13}\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{13}, 6^{13}\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{16}, 6^{13}\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{19}, 6^{13}\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{22}, 6^{13}\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{25}, 6^{13}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{32}, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^{11}, 6^{14}\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{14}, 6^{14}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{17}, 6^{14}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{20}, 6^{14}\})$	206158430232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^4, 3^{23}, 6^{14}\})$	1649267441640
6	$\mathcal{O}(1; \{3^{26}, 6^{14}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{33}, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{29}, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^6, 6^{15}\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^9, 6^{15}\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{12}, 6^{15}\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{15}, 6^{15}\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{18}, 6^{15}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{21}, 6^{15}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{24}, 6^{15}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{30}, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^{26}, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^7, 6^{16}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^{10}, 6^{16}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{13}, 6^{16}\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{16}, 6^{16}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{19}, 6^{16}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{22}, 6^{16}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{27}, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^5, 6^{17}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^8, 6^{17}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^{11}, 6^{17}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{14}, 6^{17}\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{17}, 6^{17}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{20}, 6^{17}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{28}, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{24}, 3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^6, 6^{18}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^9, 6^{18}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{12}, 6^{18}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{15}, 6^{18}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{18}, 6^{18}\})$	824633720856
6	$\mathcal{O}(1; \{3^{21}, 6^{18}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{25}, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(1; \{2^{21}, 3^4, 6^{19}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^7, 6^{19}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6^{19}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{13}, 6^{19}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{16}, 6^{19}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{19}, 6^{19}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{22}, 3^2, 6^{20}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^5, 6^{20}\})$	402653160

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{14}, 3^8, 6^{20}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^{11}, 6^{20}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{14}, 6^{20}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{17}, 6^{20}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{23}, 6^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^{19}, 3^3, 6^{21}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^6, 6^{21}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^9, 6^{21}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{12}, 6^{21}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{15}, 6^{21}\})$	824633720856
6	$\mathcal{O}(1; \{2^{20}, 3, 6^{22}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3^4, 6^{22}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^7, 6^{22}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^{10}, 6^{22}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{13}, 6^{22}\})$	412316860392
6	$\mathcal{O}(1; \{3^{16}, 6^{22}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{17}, 3^2, 6^{23}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^5, 6^{23}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^8, 6^{23}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^{11}, 6^{23}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{14}, 6^{23}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{18}, 6^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^3, 6^{24}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^6, 6^{24}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^9, 6^{24}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{12}, 6^{24}\})$	824633720856
6	$\mathcal{O}(1; \{2^{15}, 3, 6^{25}\})$	805306392
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6^{25}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^7, 6^{25}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6^{25}\})$	412316860392
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^{26}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^5, 6^{26}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^8, 6^{26}\})$	206158430232
6	$\mathcal{O}(1; \{3^{11}, 6^{26}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{13}, 6^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^9, 3^3, 6^{27}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^6, 6^{27}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^9, 6^{27}\})$	824633720856
6	$\mathcal{O}(1; \{2^{10}, 3, 6^{28}\})$	6442450920
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{28}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{28}\})$	412316860392
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{29}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{29}\})$	206158430232

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 6^{30}\})$	12884901912
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{30}\})$	103079215080
6	$\mathcal{O}(1; \{3^6, 6^{30}\})$	824633720856
6	$\mathcal{O}(1; \{2^5, 3, 6^{31}\})$	51539607576
6	$\mathcal{O}(1; \{2, 3^4, 6^{31}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{32}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 6^{33}\})$	103079215080
6	$\mathcal{O}(1; \{3, 6^{34}\})$	412316860392
6	$\mathcal{O}(0; \{2^{58}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{54}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{50}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{46}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{42}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{38}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{34}, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{30}, 3^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{26}, 3^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{22}, 3^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^{18}, 3^{33}\})$	2863311530
6	$\mathcal{O}(0; \{2^{14}, 3^{36}\})$	22906492246
6	$\mathcal{O}(0; \{2^{10}, 3^{39}\})$	183251937962
6	$\mathcal{O}(0; \{2^6, 3^{42}\})$	1466015503702
6	$\mathcal{O}(0; \{2^2, 3^{45}\})$	11728124029610
6	$\mathcal{O}(0; \{2^{59}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{55}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{51}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{47}, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{43}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{39}, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^{35}, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2^{31}, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^{27}, 3^{25}, 6\})$	22369622
6	$\mathcal{O}(0; \{2^{23}, 3^{28}, 6\})$	178956970
6	$\mathcal{O}(0; \{2^{19}, 3^{31}, 6\})$	1431655766
6	$\mathcal{O}(0; \{2^{15}, 3^{34}, 6\})$	11453246122
6	$\mathcal{O}(0; \{2^{11}, 3^{37}, 6\})$	91625968982
6	$\mathcal{O}(0; \{2^7, 3^{40}, 6\})$	733007751850
6	$\mathcal{O}(0; \{2^3, 3^{43}, 6\})$	5864062014806
6	$\mathcal{O}(0; \{2^{56}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{52}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{48}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{44}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{40}, 3^{14}, 6^2\})$	21846

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{36}, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^{32}, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^{28}, 3^{23}, 6^2\})$	11184810
6	$\mathcal{O}(0; \{2^{24}, 3^{26}, 6^2\})$	89478486
6	$\mathcal{O}(0; \{2^{20}, 3^{29}, 6^2\})$	715827882
6	$\mathcal{O}(0; \{2^{16}, 3^{32}, 6^2\})$	5726623062
6	$\mathcal{O}(0; \{2^{12}, 3^{35}, 6^2\})$	45812984490
6	$\mathcal{O}(0; \{2^8, 3^{38}, 6^2\})$	366503875926
6	$\mathcal{O}(0; \{2^4, 3^{41}, 6^2\})$	2932031007402
6	$\mathcal{O}(0; \{3^{44}, 6^2\})$	23456248059222
6	$\mathcal{O}(0; \{2^{57}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{53}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{49}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{45}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{41}, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^{37}, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^{33}, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^{29}, 3^{21}, 6^3\})$	5592406
6	$\mathcal{O}(0; \{2^{25}, 3^{24}, 6^3\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 3^{27}, 6^3\})$	357913942
6	$\mathcal{O}(0; \{2^{17}, 3^{30}, 6^3\})$	2863311530
6	$\mathcal{O}(0; \{2^{13}, 3^{33}, 6^3\})$	22906492246
6	$\mathcal{O}(0; \{2^9, 3^{36}, 6^3\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 3^{39}, 6^3\})$	1466015503702
6	$\mathcal{O}(0; \{2, 3^{42}, 6^3\})$	11728124029610
6	$\mathcal{O}(0; \{2^{54}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{50}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^{46}, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^{42}, 3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^{38}, 3^{13}, 6^4\})$	43690
6	$\mathcal{O}(0; \{2^{34}, 3^{16}, 6^4\})$	349526
6	$\mathcal{O}(0; \{2^{30}, 3^{19}, 6^4\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^{22}, 6^4\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^{25}, 6^4\})$	178956970
6	$\mathcal{O}(0; \{2^{18}, 3^{28}, 6^4\})$	1431655766
6	$\mathcal{O}(0; \{2^{14}, 3^{31}, 6^4\})$	11453246122
6	$\mathcal{O}(0; \{2^{10}, 3^{34}, 6^4\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^{37}, 6^4\})$	733007751850
6	$\mathcal{O}(0; \{2^2, 3^{40}, 6^4\})$	5864062014806
6	$\mathcal{O}(0; \{2^{51}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^{47}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{43}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{39}, 3^{11}, 6^5\})$	21846

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{35}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^{31}, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^{23}, 6^5\})$	89478486
6	$\mathcal{O}(0; \{2^{19}, 3^{26}, 6^5\})$	715827882
6	$\mathcal{O}(0; \{2^{15}, 3^{29}, 6^5\})$	5726623062
6	$\mathcal{O}(0; \{2^{11}, 3^{32}, 6^5\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^{35}, 6^5\})$	366503875926
6	$\mathcal{O}(0; \{2^3, 3^{38}, 6^5\})$	2932031007402
6	$\mathcal{O}(0; \{2^{52}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{48}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{44}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^{32}, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{24}, 6^6\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{27}, 6^6\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{30}, 6^6\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{33}, 6^6\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{36}, 6^6\})$	1466015503702
6	$\mathcal{O}(0; \{3^{39}, 6^6\})$	11728124029610
6	$\mathcal{O}(0; \{2^{49}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{45}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{41}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{19}, 6^7\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{22}, 6^7\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{25}, 6^7\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{28}, 6^7\})$	11453246122
6	$\mathcal{O}(0; \{2^9, 3^{31}, 6^7\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{34}, 6^7\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{37}, 6^7\})$	5864062014806
6	$\mathcal{O}(0; \{2^{46}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{17}, 6^8\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{20}, 6^8\})$	89478486

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{18}, 3^{23}, 6^8\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{26}, 6^8\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{29}, 6^8\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{32}, 6^8\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{35}, 6^8\})$	2932031007402
6	$\mathcal{O}(0; \{2^{47}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{43}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{18}, 6^9\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{21}, 6^9\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{24}, 6^9\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{27}, 6^9\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{30}, 6^9\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{33}, 6^9\})$	1466015503702
6	$\mathcal{O}(0; \{2^{44}, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{2^{40}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{13}, 6^{10}\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{19}, 6^{10}\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{22}, 6^{10}\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{25}, 6^{10}\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{28}, 6^{10}\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{31}, 6^{10}\})$	733007751850
6	$\mathcal{O}(0; \{3^{34}, 6^{10}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{41}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^8, 6^{11}\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{17}, 6^{11}\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{20}, 6^{11}\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{23}, 6^{11}\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{26}, 6^{11}\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{29}, 6^{11}\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{32}, 6^{11}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{42}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{38}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^6, 6^{12}\})$	87382

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{30}, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{15}, 6^{12}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{18}, 6^{12}\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{21}, 6^{12}\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{24}, 6^{12}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{27}, 6^{12}\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{30}, 6^{12}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{39}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{35}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{13}, 6^{13}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{16}, 6^{13}\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{19}, 6^{13}\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{22}, 6^{13}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{25}, 6^{13}\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{28}, 6^{13}\})$	733007751850
6	$\mathcal{O}(0; \{2^{36}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{14}, 6^{14}\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{17}, 6^{14}\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{20}, 6^{14}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{23}, 6^{14}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{26}, 6^{14}\})$	366503875926
6	$\mathcal{O}(0; \{3^{29}, 6^{14}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{37}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{33}, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{12}, 6^{15}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{15}, 6^{15}\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{18}, 6^{15}\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{21}, 6^{15}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{24}, 6^{15}\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{27}, 6^{15}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{34}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^{30}, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^{10}, 6^{16}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{13}, 6^{16}\})$	178956970

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{14}, 3^{16}, 6^{16}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{19}, 6^{16}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{22}, 6^{16}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{25}, 6^{16}\})$	733007751850
6	$\mathcal{O}(0; \{2^{31}, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^8, 6^{17}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^{11}, 6^{17}\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{14}, 6^{17}\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{17}, 6^{17}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{20}, 6^{17}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{23}, 6^{17}\})$	366503875926
6	$\mathcal{O}(0; \{2^{32}, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{28}, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^9, 6^{18}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{12}, 6^{18}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{15}, 6^{18}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{18}, 6^{18}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{21}, 6^{18}\})$	183251937962
6	$\mathcal{O}(0; \{3^{24}, 6^{18}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{29}, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^7, 6^{19}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^{10}, 6^{19}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{13}, 6^{19}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{16}, 6^{19}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{19}, 6^{19}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{22}, 6^{19}\})$	733007751850
6	$\mathcal{O}(0; \{2^{26}, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^5, 6^{20}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^8, 6^{20}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^{11}, 6^{20}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{14}, 6^{20}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{17}, 6^{20}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{20}, 6^{20}\})$	366503875926
6	$\mathcal{O}(0; \{2^{27}, 6^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^3, 6^{21}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^6, 6^{21}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^9, 6^{21}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6^{21}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{15}, 6^{21}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{18}, 6^{21}\})$	183251937962

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{24}, 3, 6^{22}\})$	2796202
6	$\mathcal{O}(0; \{2^{20}, 3^4, 6^{22}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^7, 6^{22}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6^{22}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{13}, 6^{22}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{16}, 6^{22}\})$	91625968982
6	$\mathcal{O}(0; \{3^{19}, 6^{22}\})$	733007751850
6	$\mathcal{O}(0; \{2^{21}, 3^2, 6^{23}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^5, 6^{23}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^8, 6^{23}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^{11}, 6^{23}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{14}, 6^{23}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{17}, 6^{23}\})$	366503875926
6	$\mathcal{O}(0; \{2^{22}, 6^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^{18}, 3^3, 6^{24}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^6, 6^{24}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^9, 6^{24}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{12}, 6^{24}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{15}, 6^{24}\})$	183251937962
6	$\mathcal{O}(0; \{2^{19}, 3, 6^{25}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3^4, 6^{25}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^7, 6^{25}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^{10}, 6^{25}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{13}, 6^{25}\})$	91625968982
6	$\mathcal{O}(0; \{2^{16}, 3^2, 6^{26}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^5, 6^{26}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^8, 6^{26}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^{11}, 6^{26}\})$	45812984490
6	$\mathcal{O}(0; \{3^{14}, 6^{26}\})$	366503875926
6	$\mathcal{O}(0; \{2^{17}, 6^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6^{27}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^6, 6^{27}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^9, 6^{27}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{12}, 6^{27}\})$	183251937962
6	$\mathcal{O}(0; \{2^{14}, 3, 6^{28}\})$	178956970
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^{28}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^7, 6^{28}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^{28}\})$	91625968982
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^{29}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^5, 6^{29}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^8, 6^{29}\})$	45812984490
6	$\mathcal{O}(0; \{2^{12}, 6^{30}\})$	357913942
6	$\mathcal{O}(0; \{2^8, 3^3, 6^{30}\})$	2863311530

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^6, 6^{30}\})$	22906492246
6	$\mathcal{O}(0; \{3^9, 6^{30}\})$	183251937962
6	$\mathcal{O}(0; \{2^9, 3, 6^{31}\})$	1431655766
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{31}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^7, 6^{31}\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{32}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{32}\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 6^{33}\})$	2863311530
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{33}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3, 6^{34}\})$	11453246122
6	$\mathcal{O}(0; \{3^4, 6^{34}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^2, 6^{35}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 6^{36}\})$	22906492246
7	$\mathcal{O}(10; \{7^8\})$	19145835129046809191946
7	$\mathcal{O}(7; \{7^{15}\})$	45555757863217864419990
7	$\mathcal{O}(4; \{7^{22}\})$	108396132847372208924106
7	$\mathcal{O}(1; \{7^{29}\})$	257919573007522250883030
8	$\mathcal{O}(11; \{8^2\})$	295147905179352825856
8	$\mathcal{O}(10; \{2^4, 8^2\})$	4611686018427387904
8	$\mathcal{O}(10; \{2, 4^2, 8^2\})$	18446744073709551616
8	$\mathcal{O}(9; \{2^8, 8^2\})$	72057594037927936
8	$\mathcal{O}(9; \{2^5, 4^2, 8^2\})$	288230376151711744
8	$\mathcal{O}(9; \{2^2, 4^4, 8^2\})$	1152921504606846976
8	$\mathcal{O}(9; \{2^3, 4, 8^4\})$	2305843009213693952
8	$\mathcal{O}(9; \{4^3, 8^4\})$	9223372036854775808
8	$\mathcal{O}(9; \{2, 8^6\})$	18446744073709551616
8	$\mathcal{O}(8; \{2^{12}, 8^2\})$	1125899906842624
8	$\mathcal{O}(8; \{2^9, 4^2, 8^2\})$	4503599627370496
8	$\mathcal{O}(8; \{2^6, 4^4, 8^2\})$	18014398509481984
8	$\mathcal{O}(8; \{2^3, 4^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(8; \{4^8, 8^2\})$	288230376151711744
8	$\mathcal{O}(8; \{2^7, 4, 8^4\})$	36028797018963968
8	$\mathcal{O}(8; \{2^4, 4^3, 8^4\})$	144115188075855872
8	$\mathcal{O}(8; \{2, 4^5, 8^4\})$	576460752303423488
8	$\mathcal{O}(8; \{2^5, 8^6\})$	288230376151711744
8	$\mathcal{O}(8; \{2^2, 4^2, 8^6\})$	1152921504606846976
8	$\mathcal{O}(8; \{4, 8^8\})$	9223372036854775808
8	$\mathcal{O}(7; \{2^{16}, 8^2\})$	17592186044416
8	$\mathcal{O}(7; \{2^{13}, 4^2, 8^2\})$	70368744177664
8	$\mathcal{O}(7; \{2^{10}, 4^4, 8^2\})$	281474976710656
8	$\mathcal{O}(7; \{2^7, 4^6, 8^2\})$	1125899906842624
8	$\mathcal{O}(7; \{2^4, 4^8, 8^2\})$	4503599627370496
8	$\mathcal{O}(7; \{2, 4^{10}, 8^2\})$	18014398509481984

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^{11}, 4, 8^4\})$	562949953421312
8	$\mathcal{O}(7; \{2^8, 4^3, 8^4\})$	2251799813685248
8	$\mathcal{O}(7; \{2^5, 4^5, 8^4\})$	9007199254740992
8	$\mathcal{O}(7; \{2^2, 4^7, 8^4\})$	36028797018963968
8	$\mathcal{O}(7; \{2^9, 8^6\})$	4503599627370496
8	$\mathcal{O}(7; \{2^6, 4^2, 8^6\})$	18014398509481984
8	$\mathcal{O}(7; \{2^3, 4^4, 8^6\})$	72057594037927936
8	$\mathcal{O}(7; \{4^6, 8^6\})$	288230376151711744
8	$\mathcal{O}(7; \{2^4, 4, 8^8\})$	144115188075855872
8	$\mathcal{O}(7; \{2, 4^3, 8^8\})$	576460752303423488
8	$\mathcal{O}(7; \{2^2, 8^{10}\})$	1152921504606846976
8	$\mathcal{O}(6; \{2^{20}, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^{17}, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{2^{14}, 4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2^{11}, 4^6, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^8, 4^8, 8^2\})$	70368744177664
8	$\mathcal{O}(6; \{2^5, 4^{10}, 8^2\})$	281474976710656
8	$\mathcal{O}(6; \{2^2, 4^{12}, 8^2\})$	1125899906842624
8	$\mathcal{O}(6; \{2^{15}, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(6; \{2^{12}, 4^3, 8^4\})$	35184372088832
8	$\mathcal{O}(6; \{2^9, 4^5, 8^4\})$	140737488355328
8	$\mathcal{O}(6; \{2^6, 4^7, 8^4\})$	562949953421312
8	$\mathcal{O}(6; \{2^3, 4^9, 8^4\})$	2251799813685248
8	$\mathcal{O}(6; \{4^{11}, 8^4\})$	9007199254740992
8	$\mathcal{O}(6; \{2^{13}, 8^6\})$	70368744177664
8	$\mathcal{O}(6; \{2^{10}, 4^2, 8^6\})$	281474976710656
8	$\mathcal{O}(6; \{2^7, 4^4, 8^6\})$	1125899906842624
8	$\mathcal{O}(6; \{2^4, 4^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(6; \{2, 4^8, 8^6\})$	18014398509481984
8	$\mathcal{O}(6; \{2^8, 4, 8^8\})$	2251799813685248
8	$\mathcal{O}(6; \{2^5, 4^3, 8^8\})$	9007199254740992
8	$\mathcal{O}(6; \{2^2, 4^5, 8^8\})$	36028797018963968
8	$\mathcal{O}(6; \{2^6, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(6; \{2^3, 4^2, 8^{10}\})$	72057594037927936
8	$\mathcal{O}(6; \{4^4, 8^{10}\})$	288230376151711744
8	$\mathcal{O}(6; \{2, 4, 8^{12}\})$	576460752303423488
8	$\mathcal{O}(5; \{2^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^{21}, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^{18}, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^{15}, 4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^{12}, 4^8, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^9, 4^{10}, 8^2\})$	4398046511104
8	$\mathcal{O}(5; \{2^6, 4^{12}, 8^2\})$	17592186044416

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^3, 4^{14}, 8^2\})$	70368744177664
8	$\mathcal{O}(5; \{4^{16}, 8^2\})$	281474976710656
8	$\mathcal{O}(5; \{2^{19}, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^{16}, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^{13}, 4^5, 8^4\})$	2199023255552
8	$\mathcal{O}(5; \{2^{10}, 4^7, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^7, 4^9, 8^4\})$	35184372088832
8	$\mathcal{O}(5; \{2^4, 4^{11}, 8^4\})$	140737488355328
8	$\mathcal{O}(5; \{2, 4^{13}, 8^4\})$	562949953421312
8	$\mathcal{O}(5; \{2^{17}, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{2^{14}, 4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(5; \{2^{11}, 4^4, 8^6\})$	17592186044416
8	$\mathcal{O}(5; \{2^8, 4^6, 8^6\})$	70368744177664
8	$\mathcal{O}(5; \{2^5, 4^8, 8^6\})$	281474976710656
8	$\mathcal{O}(5; \{2^2, 4^{10}, 8^6\})$	1125899906842624
8	$\mathcal{O}(5; \{2^{12}, 4, 8^8\})$	35184372088832
8	$\mathcal{O}(5; \{2^9, 4^3, 8^8\})$	140737488355328
8	$\mathcal{O}(5; \{2^6, 4^5, 8^8\})$	562949953421312
8	$\mathcal{O}(5; \{2^3, 4^7, 8^8\})$	2251799813685248
8	$\mathcal{O}(5; \{4^9, 8^8\})$	9007199254740992
8	$\mathcal{O}(5; \{2^{10}, 8^{10}\})$	281474976710656
8	$\mathcal{O}(5; \{2^7, 4^2, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(5; \{2^4, 4^4, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(5; \{2, 4^6, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(5; \{2^5, 4, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(5; \{2^2, 4^3, 8^{12}\})$	36028797018963968
8	$\mathcal{O}(5; \{2^3, 8^{14}\})$	72057594037927936
8	$\mathcal{O}(5; \{4^2, 8^{14}\})$	288230376151711744
8	$\mathcal{O}(4; \{2^{28}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{25}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^{22}, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^{19}, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^{16}, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^{13}, 4^{10}, 8^2\})$	68719476736
8	$\mathcal{O}(4; \{2^{10}, 4^{12}, 8^2\})$	274877906944
8	$\mathcal{O}(4; \{2^7, 4^{14}, 8^2\})$	1099511627776
8	$\mathcal{O}(4; \{2^4, 4^{16}, 8^2\})$	4398046511104
8	$\mathcal{O}(4; \{2, 4^{18}, 8^2\})$	17592186044416
8	$\mathcal{O}(4; \{2^{23}, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^{20}, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^{17}, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^{14}, 4^7, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^{11}, 4^9, 8^4\})$	549755813888

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^8, 4^{11}, 8^4\})$	2199023255552
8	$\mathcal{O}(4; \{2^5, 4^{13}, 8^4\})$	8796093022208
8	$\mathcal{O}(4; \{2^2, 4^{15}, 8^4\})$	35184372088832
8	$\mathcal{O}(4; \{2^{21}, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^{18}, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2^{15}, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^{12}, 4^6, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^9, 4^8, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^6, 4^{10}, 8^6\})$	17592186044416
8	$\mathcal{O}(4; \{2^3, 4^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(4; \{4^{14}, 8^6\})$	281474976710656
8	$\mathcal{O}(4; \{2^{16}, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{2^{13}, 4^3, 8^8\})$	2199023255552
8	$\mathcal{O}(4; \{2^{10}, 4^5, 8^8\})$	8796093022208
8	$\mathcal{O}(4; \{2^7, 4^7, 8^8\})$	35184372088832
8	$\mathcal{O}(4; \{2^4, 4^9, 8^8\})$	140737488355328
8	$\mathcal{O}(4; \{2, 4^{11}, 8^8\})$	562949953421312
8	$\mathcal{O}(4; \{2^{14}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(4; \{2^{11}, 4^2, 8^{10}\})$	17592186044416
8	$\mathcal{O}(4; \{2^8, 4^4, 8^{10}\})$	70368744177664
8	$\mathcal{O}(4; \{2^5, 4^6, 8^{10}\})$	281474976710656
8	$\mathcal{O}(4; \{2^2, 4^8, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^9, 4, 8^{12}\})$	140737488355328
8	$\mathcal{O}(4; \{2^6, 4^3, 8^{12}\})$	562949953421312
8	$\mathcal{O}(4; \{2^3, 4^5, 8^{12}\})$	2251799813685248
8	$\mathcal{O}(4; \{4^7, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(4; \{2^7, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^4, 4^2, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(4; \{2, 4^4, 8^{14}\})$	18014398509481984
8	$\mathcal{O}(4; \{2^2, 4, 8^{16}\})$	36028797018963968
8	$\mathcal{O}(4; \{8^{18}\})$	288230376151711744
8	$\mathcal{O}(3; \{2^{32}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{29}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{26}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^{23}, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^{20}, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^{17}, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{14}, 4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^{11}, 4^{14}, 8^2\})$	17179869184
8	$\mathcal{O}(3; \{2^8, 4^{16}, 8^2\})$	68719476736
8	$\mathcal{O}(3; \{2^5, 4^{18}, 8^2\})$	274877906944
8	$\mathcal{O}(3; \{2^2, 4^{20}, 8^2\})$	1099511627776
8	$\mathcal{O}(3; \{2^{27}, 4, 8^4\})$	33554432

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{24}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^{21}, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^{18}, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{2^{15}, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{12}, 4^{11}, 8^4\})$	34359738368
8	$\mathcal{O}(3; \{2^9, 4^{13}, 8^4\})$	137438953472
8	$\mathcal{O}(3; \{2^6, 4^{15}, 8^4\})$	549755813888
8	$\mathcal{O}(3; \{2^3, 4^{17}, 8^4\})$	2199023255552
8	$\mathcal{O}(3; \{4^{19}, 8^4\})$	8796093022208
8	$\mathcal{O}(3; \{2^{25}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^{22}, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^{19}, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^{16}, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{13}, 4^8, 8^6\})$	68719476736
8	$\mathcal{O}(3; \{2^{10}, 4^{10}, 8^6\})$	274877906944
8	$\mathcal{O}(3; \{2^7, 4^{12}, 8^6\})$	1099511627776
8	$\mathcal{O}(3; \{2^4, 4^{14}, 8^6\})$	4398046511104
8	$\mathcal{O}(3; \{2, 4^{16}, 8^6\})$	17592186044416
8	$\mathcal{O}(3; \{2^{20}, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^{17}, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^{14}, 4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^{11}, 4^7, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^8, 4^9, 8^8\})$	2199023255552
8	$\mathcal{O}(3; \{2^5, 4^{11}, 8^8\})$	8796093022208
8	$\mathcal{O}(3; \{2^2, 4^{13}, 8^8\})$	35184372088832
8	$\mathcal{O}(3; \{2^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2^{15}, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(3; \{2^{12}, 4^4, 8^{10}\})$	1099511627776
8	$\mathcal{O}(3; \{2^9, 4^6, 8^{10}\})$	4398046511104
8	$\mathcal{O}(3; \{2^6, 4^8, 8^{10}\})$	17592186044416
8	$\mathcal{O}(3; \{2^3, 4^{10}, 8^{10}\})$	70368744177664
8	$\mathcal{O}(3; \{4^{12}, 8^{10}\})$	281474976710656
8	$\mathcal{O}(3; \{2^{13}, 4, 8^{12}\})$	2199023255552
8	$\mathcal{O}(3; \{2^{10}, 4^3, 8^{12}\})$	8796093022208
8	$\mathcal{O}(3; \{2^7, 4^5, 8^{12}\})$	35184372088832
8	$\mathcal{O}(3; \{2^4, 4^7, 8^{12}\})$	140737488355328
8	$\mathcal{O}(3; \{2, 4^9, 8^{12}\})$	562949953421312
8	$\mathcal{O}(3; \{2^{11}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(3; \{2^8, 4^2, 8^{14}\})$	70368744177664
8	$\mathcal{O}(3; \{2^5, 4^4, 8^{14}\})$	281474976710656
8	$\mathcal{O}(3; \{2^2, 4^6, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(3; \{2^6, 4, 8^{16}\})$	562949953421312
8	$\mathcal{O}(3; \{2^3, 4^3, 8^{16}\})$	2251799813685248

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{4^5, 8^{16}\})$	9007199254740992
8	$\mathcal{O}(3; \{2^4, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(3; \{2, 4^2, 8^{18}\})$	18014398509481984
8	$\mathcal{O}(2; \{2^{36}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{33}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{30}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{27}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{24}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^{21}, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{18}, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2^{15}, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{12}, 4^{16}, 8^2\})$	1073741824
8	$\mathcal{O}(2; \{2^9, 4^{18}, 8^2\})$	4294967296
8	$\mathcal{O}(2; \{2^6, 4^{20}, 8^2\})$	17179869184
8	$\mathcal{O}(2; \{2^3, 4^{22}, 8^2\})$	68719476736
8	$\mathcal{O}(2; \{4^{24}, 8^2\})$	274877906944
8	$\mathcal{O}(2; \{2^{31}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{28}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{25}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^{22}, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^{19}, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{16}, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{13}, 4^{13}, 8^4\})$	2147483648
8	$\mathcal{O}(2; \{2^{10}, 4^{15}, 8^4\})$	8589934592
8	$\mathcal{O}(2; \{2^7, 4^{17}, 8^4\})$	34359738368
8	$\mathcal{O}(2; \{2^4, 4^{19}, 8^4\})$	137438953472
8	$\mathcal{O}(2; \{2, 4^{21}, 8^4\})$	549755813888
8	$\mathcal{O}(2; \{2^{29}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{26}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^{23}, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^{20}, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^{17}, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^{14}, 4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^{11}, 4^{12}, 8^6\})$	17179869184
8	$\mathcal{O}(2; \{2^8, 4^{14}, 8^6\})$	68719476736
8	$\mathcal{O}(2; \{2^5, 4^{16}, 8^6\})$	274877906944
8	$\mathcal{O}(2; \{2^2, 4^{18}, 8^6\})$	1099511627776
8	$\mathcal{O}(2; \{2^{24}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^{21}, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^{18}, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^{15}, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{12}, 4^9, 8^8\})$	34359738368
8	$\mathcal{O}(2; \{2^9, 4^{11}, 8^8\})$	137438953472

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^6, 4^{13}, 8^8\})$	549755813888
8	$\mathcal{O}(2; \{2^3, 4^{15}, 8^8\})$	2199023255552
8	$\mathcal{O}(2; \{4^{17}, 8^8\})$	8796093022208
8	$\mathcal{O}(2; \{2^{22}, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^{19}, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^{16}, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^{13}, 4^6, 8^{10}\})$	68719476736
8	$\mathcal{O}(2; \{2^{10}, 4^8, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^7, 4^{10}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(2; \{2^4, 4^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(2; \{2, 4^{14}, 8^{10}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{17}, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{2^{14}, 4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2^{11}, 4^5, 8^{12}\})$	549755813888
8	$\mathcal{O}(2; \{2^8, 4^7, 8^{12}\})$	2199023255552
8	$\mathcal{O}(2; \{2^5, 4^9, 8^{12}\})$	8796093022208
8	$\mathcal{O}(2; \{2^2, 4^{11}, 8^{12}\})$	35184372088832
8	$\mathcal{O}(2; \{2^{15}, 8^{14}\})$	274877906944
8	$\mathcal{O}(2; \{2^{12}, 4^2, 8^{14}\})$	1099511627776
8	$\mathcal{O}(2; \{2^9, 4^4, 8^{14}\})$	4398046511104
8	$\mathcal{O}(2; \{2^6, 4^6, 8^{14}\})$	17592186044416
8	$\mathcal{O}(2; \{2^3, 4^8, 8^{14}\})$	70368744177664
8	$\mathcal{O}(2; \{4^{10}, 8^{14}\})$	281474976710656
8	$\mathcal{O}(2; \{2^{10}, 4, 8^{16}\})$	8796093022208
8	$\mathcal{O}(2; \{2^7, 4^3, 8^{16}\})$	35184372088832
8	$\mathcal{O}(2; \{2^4, 4^5, 8^{16}\})$	140737488355328
8	$\mathcal{O}(2; \{2, 4^7, 8^{16}\})$	562949953421312
8	$\mathcal{O}(2; \{2^8, 8^{18}\})$	70368744177664
8	$\mathcal{O}(2; \{2^5, 4^2, 8^{18}\})$	281474976710656
8	$\mathcal{O}(2; \{2^2, 4^4, 8^{18}\})$	1125899906842624
8	$\mathcal{O}(2; \{2^3, 4, 8^{20}\})$	2251799813685248
8	$\mathcal{O}(2; \{4^3, 8^{20}\})$	9007199254740992
8	$\mathcal{O}(2; \{2, 8^{22}\})$	18014398509481984
8	$\mathcal{O}(1; \{2^{40}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{37}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{34}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{31}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{28}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{25}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^{22}, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^{19}, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{16}, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{13}, 4^{18}, 8^2\})$	67108864

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{10}, 4^{20}, 8^2\})$	268435456
8	$\mathcal{O}(1; \{2^7, 4^{22}, 8^2\})$	1073741824
8	$\mathcal{O}(1; \{2^4, 4^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(1; \{2, 4^{26}, 8^2\})$	17179869184
8	$\mathcal{O}(1; \{2^{35}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{32}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{29}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{26}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^{23}, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^{20}, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{17}, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{14}, 4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^{11}, 4^{17}, 8^4\})$	536870912
8	$\mathcal{O}(1; \{2^8, 4^{19}, 8^4\})$	2147483648
8	$\mathcal{O}(1; \{2^5, 4^{21}, 8^4\})$	8589934592
8	$\mathcal{O}(1; \{2^2, 4^{23}, 8^4\})$	34359738368
8	$\mathcal{O}(1; \{2^{33}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{30}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{27}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{24}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{21}, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^{18}, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{15}, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{12}, 4^{14}, 8^6\})$	1073741824
8	$\mathcal{O}(1; \{2^9, 4^{16}, 8^6\})$	4294967296
8	$\mathcal{O}(1; \{2^6, 4^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(1; \{2^3, 4^{20}, 8^6\})$	68719476736
8	$\mathcal{O}(1; \{4^{22}, 8^6\})$	274877906944
8	$\mathcal{O}(1; \{2^{28}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{25}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^{22}, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^{19}, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^{16}, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{13}, 4^{11}, 8^8\})$	2147483648
8	$\mathcal{O}(1; \{2^{10}, 4^{13}, 8^8\})$	8589934592
8	$\mathcal{O}(1; \{2^7, 4^{15}, 8^8\})$	34359738368
8	$\mathcal{O}(1; \{2^4, 4^{17}, 8^8\})$	137438953472
8	$\mathcal{O}(1; \{2, 4^{19}, 8^8\})$	549755813888
8	$\mathcal{O}(1; \{2^{26}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^{23}, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^{20}, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^{17}, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{14}, 4^8, 8^{10}\})$	4294967296

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{11}, 4^{10}, 8^{10}\})$	17179869184
8	$\mathcal{O}(1; \{2^8, 4^{12}, 8^{10}\})$	68719476736
8	$\mathcal{O}(1; \{2^5, 4^{14}, 8^{10}\})$	274877906944
8	$\mathcal{O}(1; \{2^2, 4^{16}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{21}, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^{18}, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^{15}, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^{12}, 4^7, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^9, 4^9, 8^{12}\})$	137438953472
8	$\mathcal{O}(1; \{2^6, 4^{11}, 8^{12}\})$	549755813888
8	$\mathcal{O}(1; \{2^3, 4^{13}, 8^{12}\})$	2199023255552
8	$\mathcal{O}(1; \{4^{15}, 8^{12}\})$	8796093022208
8	$\mathcal{O}(1; \{2^{19}, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^{16}, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{2^{13}, 4^4, 8^{14}\})$	68719476736
8	$\mathcal{O}(1; \{2^{10}, 4^6, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^7, 4^8, 8^{14}\})$	1099511627776
8	$\mathcal{O}(1; \{2^4, 4^{10}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(1; \{2, 4^{12}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(1; \{2^{14}, 4, 8^{16}\})$	137438953472
8	$\mathcal{O}(1; \{2^{11}, 4^3, 8^{16}\})$	549755813888
8	$\mathcal{O}(1; \{2^8, 4^5, 8^{16}\})$	2199023255552
8	$\mathcal{O}(1; \{2^5, 4^7, 8^{16}\})$	8796093022208
8	$\mathcal{O}(1; \{2^2, 4^9, 8^{16}\})$	35184372088832
8	$\mathcal{O}(1; \{2^{12}, 8^{18}\})$	1099511627776
8	$\mathcal{O}(1; \{2^9, 4^2, 8^{18}\})$	4398046511104
8	$\mathcal{O}(1; \{2^6, 4^4, 8^{18}\})$	17592186044416
8	$\mathcal{O}(1; \{2^3, 4^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(1; \{4^8, 8^{18}\})$	281474976710656
8	$\mathcal{O}(1; \{2^7, 4, 8^{20}\})$	35184372088832
8	$\mathcal{O}(1; \{2^4, 4^3, 8^{20}\})$	140737488355328
8	$\mathcal{O}(1; \{2, 4^5, 8^{20}\})$	562949953421312
8	$\mathcal{O}(1; \{2^5, 8^{22}\})$	281474976710656
8	$\mathcal{O}(1; \{2^2, 4^2, 8^{22}\})$	1125899906842624
8	$\mathcal{O}(1; \{4, 8^{24}\})$	9007199254740992
8	$\mathcal{O}(0; \{2^{44}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{41}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{38}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{35}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{32}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{29}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{26}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^{23}, 4^{14}, 8^2\})$	65536

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{20}, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{17}, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{14}, 4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^{11}, 4^{22}, 8^2\})$	16777216
8	$\mathcal{O}(0; \{2^8, 4^{24}, 8^2\})$	67108864
8	$\mathcal{O}(0; \{2^5, 4^{26}, 8^2\})$	268435456
8	$\mathcal{O}(0; \{2^2, 4^{28}, 8^2\})$	1073741824
8	$\mathcal{O}(0; \{2^{39}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{36}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{33}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{30}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{27}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{24}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{21}, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{18}, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{15}, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{12}, 4^{19}, 8^4\})$	33554432
8	$\mathcal{O}(0; \{2^9, 4^{21}, 8^4\})$	134217728
8	$\mathcal{O}(0; \{2^6, 4^{23}, 8^4\})$	536870912
8	$\mathcal{O}(0; \{2^3, 4^{25}, 8^4\})$	2147483648
8	$\mathcal{O}(0; \{4^{27}, 8^4\})$	8589934592
8	$\mathcal{O}(0; \{2^{37}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{34}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{31}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{28}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{25}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{22}, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{19}, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{16}, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{13}, 4^{16}, 8^6\})$	67108864
8	$\mathcal{O}(0; \{2^{10}, 4^{18}, 8^6\})$	268435456
8	$\mathcal{O}(0; \{2^7, 4^{20}, 8^6\})$	1073741824
8	$\mathcal{O}(0; \{2^4, 4^{22}, 8^6\})$	4294967296
8	$\mathcal{O}(0; \{2, 4^{24}, 8^6\})$	17179869184
8	$\mathcal{O}(0; \{2^{32}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{29}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{26}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^{23}, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^{20}, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{17}, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{14}, 4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^{11}, 4^{15}, 8^8\})$	536870912
8	$\mathcal{O}(0; \{2^8, 4^{17}, 8^8\})$	2147483648

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^5, 4^{19}, 8^8\})$	8589934592
8	$\mathcal{O}(0; \{2^2, 4^{21}, 8^8\})$	34359738368
8	$\mathcal{O}(0; \{2^{30}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{27}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{24}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^{21}, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^{18}, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{15}, 4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^{12}, 4^{12}, 8^{10}\})$	1073741824
8	$\mathcal{O}(0; \{2^9, 4^{14}, 8^{10}\})$	4294967296
8	$\mathcal{O}(0; \{2^6, 4^{16}, 8^{10}\})$	17179869184
8	$\mathcal{O}(0; \{2^3, 4^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(0; \{4^{20}, 8^{10}\})$	274877906944
8	$\mathcal{O}(0; \{2^{25}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^{22}, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^{19}, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^{16}, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^{13}, 4^9, 8^{12}\})$	2147483648
8	$\mathcal{O}(0; \{2^{10}, 4^{11}, 8^{12}\})$	8589934592
8	$\mathcal{O}(0; \{2^7, 4^{13}, 8^{12}\})$	34359738368
8	$\mathcal{O}(0; \{2^4, 4^{15}, 8^{12}\})$	137438953472
8	$\mathcal{O}(0; \{2, 4^{17}, 8^{12}\})$	549755813888
8	$\mathcal{O}(0; \{2^{23}, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^{20}, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^{17}, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^{14}, 4^6, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^{11}, 4^8, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^8, 4^{10}, 8^{14}\})$	68719476736
8	$\mathcal{O}(0; \{2^5, 4^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(0; \{2^2, 4^{14}, 8^{14}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{18}, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2^{15}, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^{12}, 4^5, 8^{16}\})$	34359738368
8	$\mathcal{O}(0; \{2^9, 4^7, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^6, 4^9, 8^{16}\})$	549755813888
8	$\mathcal{O}(0; \{2^3, 4^{11}, 8^{16}\})$	2199023255552
8	$\mathcal{O}(0; \{4^{13}, 8^{16}\})$	8796093022208
8	$\mathcal{O}(0; \{2^{16}, 8^{18}\})$	17179869184
8	$\mathcal{O}(0; \{2^{13}, 4^2, 8^{18}\})$	68719476736
8	$\mathcal{O}(0; \{2^{10}, 4^4, 8^{18}\})$	274877906944
8	$\mathcal{O}(0; \{2^7, 4^6, 8^{18}\})$	1099511627776
8	$\mathcal{O}(0; \{2^4, 4^8, 8^{18}\})$	4398046511104
8	$\mathcal{O}(0; \{2, 4^{10}, 8^{18}\})$	17592186044416

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{11}, 4, 8^{20}\})$	549755813888
8	$\mathcal{O}(0; \{2^8, 4^3, 8^{20}\})$	2199023255552
8	$\mathcal{O}(0; \{2^5, 4^5, 8^{20}\})$	8796093022208
8	$\mathcal{O}(0; \{2^2, 4^7, 8^{20}\})$	35184372088832
8	$\mathcal{O}(0; \{2^9, 8^{22}\})$	4398046511104
8	$\mathcal{O}(0; \{2^6, 4^2, 8^{22}\})$	17592186044416
8	$\mathcal{O}(0; \{2^3, 4^4, 8^{22}\})$	70368744177664
8	$\mathcal{O}(0; \{4^6, 8^{22}\})$	281474976710656
8	$\mathcal{O}(0; \{2^4, 4, 8^{24}\})$	140737488355328
8	$\mathcal{O}(0; \{2, 4^3, 8^{24}\})$	562949953421312
8	$\mathcal{O}(0; \{2^2, 8^{26}\})$	1125899906842624
9	$\mathcal{O}(10; \{3^2\})$	24315330911140288800
9	$\mathcal{O}(9; \{3^5\})$	1500946349095786320
9	$\mathcal{O}(9; \{3, 9^3\})$	5403406870691968356
9	$\mathcal{O}(8; \{3^8\})$	159359732539240320
9	$\mathcal{O}(8; \{3^4, 9^3\})$	533669814389330208
9	$\mathcal{O}(8; \{9^6\})$	9906245929601941986
9	$\mathcal{O}(7; \{3^{11}\})$	15601969192298544
9	$\mathcal{O}(7; \{3^7, 9^3\})$	52708129816230144
9	$\mathcal{O}(7; \{3^3, 9^6\})$	978394659713772048
9	$\mathcal{O}(6; \{3^{14}\})$	1542627225528480
9	$\mathcal{O}(6; \{3^{10}, 9^3\})$	5205741216417792
9	$\mathcal{O}(6; \{3^6, 9^6\})$	96631571329755264
9	$\mathcal{O}(6; \{3^2, 9^9\})$	1260053728419251880
9	$\mathcal{O}(5; \{3^{17}\})$	152335030628880
9	$\mathcal{O}(5; \{3^{13}, 9^3\})$	514147280633856
9	$\mathcal{O}(5; \{3^9, 9^6\})$	9543858896765952
9	$\mathcal{O}(5; \{3^5, 9^9\})$	124449750954987840
9	$\mathcal{O}(5; \{3, 9^{12}\})$	1687483718647743204
9	$\mathcal{O}(4; \{3^{20}\})$	15043654964160
9	$\mathcal{O}(4; \{3^{16}, 9^3\})$	50779978334208
9	$\mathcal{O}(4; \{3^{12}, 9^6\})$	942603347828736
9	$\mathcal{O}(4; \{3^8, 9^9\})$	12291333427653120
9	$\mathcal{O}(4; \{3^4, 9^{12}\})$	166665058631875872
9	$\mathcal{O}(4; \{9^{15}\})$	2248742944737756378
9	$\mathcal{O}(3; \{3^{23}\})$	1483977955824
9	$\mathcal{O}(3; \{3^{19}, 9^3\})$	5015306502144
9	$\mathcal{O}(3; \{3^{15}, 9^6\})$	93096626946048
9	$\mathcal{O}(3; \{3^{11}, 9^9\})$	1213958857052160
9	$\mathcal{O}(3; \{3^7, 9^{12}\})$	16460746531543296
9	$\mathcal{O}(3; \{3^3, 9^{15}\})$	222098068616074704
9	$\mathcal{O}(2; \{3^{26}\})$	144955150560
9	$\mathcal{O}(2; \{3^{22}, 9^3\})$	495338913792

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(2; \{3^{18}, 9^6\})$	9194728587264
9	$\mathcal{O}(2; \{3^{14}, 9^9\})$	119897171066880
9	$\mathcal{O}(2; \{3^{10}, 9^{12}\})$	1625752743856128
9	$\mathcal{O}(2; \{3^6, 9^{15}\})$	21935611715167872
9	$\mathcal{O}(2; \{3^2, 9^{18}\})$	296151093081392904
9	$\mathcal{O}(1; \{3^{29}\})$	12884901840
9	$\mathcal{O}(1; \{3^{25}, 9^3\})$	48922361856
9	$\mathcal{O}(1; \{3^{21}, 9^6\})$	908121341952
9	$\mathcal{O}(1; \{3^{17}, 9^9\})$	11841695907840
9	$\mathcal{O}(1; \{3^{13}, 9^{12}\})$	160568172232704
9	$\mathcal{O}(1; \{3^9, 9^{15}\})$	2166480169399296
9	$\mathcal{O}(1; \{3^5, 9^{18}\})$	29249490674705472
9	$\mathcal{O}(1; \{3, 9^{21}\})$	394864734954086100
9	$\mathcal{O}(0; \{3^{28}, 9^3\})$	4831838208
9	$\mathcal{O}(0; \{3^{24}, 9^6\})$	89690996736
9	$\mathcal{O}(0; \{3^{20}, 9^9\})$	1169550213120
9	$\mathcal{O}(0; \{3^{16}, 9^{12}\})$	15858584911872
9	$\mathcal{O}(0; \{3^{12}, 9^{15}\})$	213973350064128
9	$\mathcal{O}(0; \{3^8, 9^{18}\})$	2888838585156096
9	$\mathcal{O}(0; \{3^4, 9^{21}\})$	38998986168304800
9	$\mathcal{O}(0; \{9^{24}\})$	526486878131187762
10	$\mathcal{O}(8; \{2^2, 5^3\})$	120000000000000000
10	$\mathcal{O}(8; \{5^2, 10^2\})$	520000000000000000
10	$\mathcal{O}(7; \{2^6, 5^3\})$	1200000000000000
10	$\mathcal{O}(7; \{2, 5^5, 10\})$	820000000000000000
10	$\mathcal{O}(7; \{2^4, 5^2, 10^2\})$	520000000000000000
10	$\mathcal{O}(7; \{2^2, 5, 10^4\})$	204000000000000000
10	$\mathcal{O}(7; \{10^6\})$	820000000000000000
10	$\mathcal{O}(6; \{2^{10}, 5^3\})$	1200000000000000
10	$\mathcal{O}(6; \{2^2, 5^8\})$	131080000000000000
10	$\mathcal{O}(6; \{2^5, 5^5, 10\})$	8200000000000000
10	$\mathcal{O}(6; \{2^8, 5^2, 10^2\})$	5200000000000000
10	$\mathcal{O}(6; \{5^7, 10^2\})$	524280000000000000
10	$\mathcal{O}(6; \{2^3, 5^4, 10^3\})$	327600000000000000
10	$\mathcal{O}(6; \{2^6, 5, 10^4\})$	204000000000000000
10	$\mathcal{O}(6; \{2, 5^3, 10^5\})$	131080000000000000
10	$\mathcal{O}(6; \{2^4, 10^6\})$	820000000000000000
10	$\mathcal{O}(5; \{2^{14}, 5^3\})$	1200000000000000
10	$\mathcal{O}(5; \{2^6, 5^8\})$	131080000000000000
10	$\mathcal{O}(5; \{2^9, 5^5, 10\})$	8200000000000000
10	$\mathcal{O}(5; \{2, 5^{10}, 10\})$	838860000000000000
10	$\mathcal{O}(5; \{2^{12}, 5^2, 10^2\})$	5200000000000000
10	$\mathcal{O}(5; \{2^4, 5^7, 10^2\})$	524280000000000000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(5; \{2^7, 5^4, 10^3\})$	32760000000000
10	$\mathcal{O}(5; \{2^{10}, 5, 10^4\})$	20400000000000
10	$\mathcal{O}(5; \{2^2, 5^6, 10^4\})$	2097160000000000
10	$\mathcal{O}(5; \{2^5, 5^3, 10^5\})$	1310800000000000
10	$\mathcal{O}(5; \{2^8, 10^6\})$	82000000000000
10	$\mathcal{O}(5; \{5^5, 10^6\})$	8388600000000000
10	$\mathcal{O}(5; \{2^3, 5^2, 10^7\})$	5242800000000000
10	$\mathcal{O}(5; \{2, 5, 10^9\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{18}, 5^3\})$	1200000000
10	$\mathcal{O}(4; \{2^{10}, 5^8\})$	13108000000000
10	$\mathcal{O}(4; \{2^2, 5^{13}\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{13}, 5^5, 10\})$	820000000000
10	$\mathcal{O}(4; \{2^5, 5^{10}, 10\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{16}, 5^2, 10^2\})$	5200000000
10	$\mathcal{O}(4; \{2^8, 5^7, 10^2\})$	52428000000000
10	$\mathcal{O}(4; \{5^{12}, 10^2\})$	5368709200000000
10	$\mathcal{O}(4; \{2^{11}, 5^4, 10^3\})$	32760000000000
10	$\mathcal{O}(4; \{2^3, 5^9, 10^3\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{14}, 5, 10^4\})$	204000000000
10	$\mathcal{O}(4; \{2^6, 5^6, 10^4\})$	2097160000000000
10	$\mathcal{O}(4; \{2^9, 5^3, 10^5\})$	13108000000000
10	$\mathcal{O}(4; \{2, 5^8, 10^5\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{12}, 10^6\})$	820000000000
10	$\mathcal{O}(4; \{2^4, 5^5, 10^6\})$	8388600000000000
10	$\mathcal{O}(4; \{2^7, 5^2, 10^7\})$	52428000000000
10	$\mathcal{O}(4; \{2^2, 5^4, 10^8\})$	3355444000000000
10	$\mathcal{O}(4; \{2^5, 5, 10^9\})$	2097160000000000
10	$\mathcal{O}(4; \{5^3, 10^{10}\})$	1342177200000000
10	$\mathcal{O}(4; \{2^3, 10^{11}\})$	8388600000000000
10	$\mathcal{O}(3; \{2^{22}, 5^3\})$	12000000
10	$\mathcal{O}(3; \{2^{14}, 5^8\})$	13108000000
10	$\mathcal{O}(3; \{2^6, 5^{13}\})$	13421772000000
10	$\mathcal{O}(3; \{2^{17}, 5^5, 10\})$	820000000
10	$\mathcal{O}(3; \{2^9, 5^{10}, 10\})$	8388600000000
10	$\mathcal{O}(3; \{2, 5^{15}, 10\})$	8589934600000000
10	$\mathcal{O}(3; \{2^{20}, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{2^{12}, 5^7, 10^2\})$	52428000000
10	$\mathcal{O}(3; \{2^4, 5^{12}, 10^2\})$	5368709200000000
10	$\mathcal{O}(3; \{2^{15}, 5^4, 10^3\})$	3276000000
10	$\mathcal{O}(3; \{2^7, 5^9, 10^3\})$	33554440000000
10	$\mathcal{O}(3; \{2^{18}, 5, 10^4\})$	204000000
10	$\mathcal{O}(3; \{2^{10}, 5^6, 10^4\})$	209716000000
10	$\mathcal{O}(3; \{2^2, 5^{11}, 10^4\})$	214748364000000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^{13}, 5^3, 10^5\})$	13108000000
10	$\mathcal{O}(3; \{2^5, 5^8, 10^5\})$	13421772000000
10	$\mathcal{O}(3; \{2^{16}, 10^6\})$	820000000
10	$\mathcal{O}(3; \{2^8, 5^5, 10^6\})$	838860000000
10	$\mathcal{O}(3; \{5^{10}, 10^6\})$	858993460000000
10	$\mathcal{O}(3; \{2^{11}, 5^2, 10^7\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^7, 10^7\})$	53687092000000
10	$\mathcal{O}(3; \{2^6, 5^4, 10^8\})$	3355444000000
10	$\mathcal{O}(3; \{2^9, 5, 10^9\})$	209716000000
10	$\mathcal{O}(3; \{2, 5^6, 10^9\})$	214748364000000
10	$\mathcal{O}(3; \{2^4, 5^3, 10^{10}\})$	13421772000000
10	$\mathcal{O}(3; \{2^7, 10^{11}\})$	838860000000
10	$\mathcal{O}(3; \{2^2, 5^2, 10^{12}\})$	53687092000000
10	$\mathcal{O}(3; \{5, 10^{14}\})$	214748364000000
10	$\mathcal{O}(2; \{2^{26}, 5^3\})$	120000
10	$\mathcal{O}(2; \{2^{18}, 5^8\})$	131080000
10	$\mathcal{O}(2; \{2^{10}, 5^{13}\})$	134217720000
10	$\mathcal{O}(2; \{2^2, 5^{18}\})$	137438953480000
10	$\mathcal{O}(2; \{2^{21}, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2^{13}, 5^{10}, 10\})$	8388600000
10	$\mathcal{O}(2; \{2^5, 5^{15}, 10\})$	8589934600000
10	$\mathcal{O}(2; \{2^{24}, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{2^{16}, 5^7, 10^2\})$	524280000
10	$\mathcal{O}(2; \{2^8, 5^{12}, 10^2\})$	536870920000
10	$\mathcal{O}(2; \{5^{17}, 10^2\})$	549755813880000
10	$\mathcal{O}(2; \{2^{19}, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^{11}, 5^9, 10^3\})$	33554440000
10	$\mathcal{O}(2; \{2^3, 5^{14}, 10^3\})$	34359738360000
10	$\mathcal{O}(2; \{2^{22}, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{2^{14}, 5^6, 10^4\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^{11}, 10^4\})$	2147483640000
10	$\mathcal{O}(2; \{2^{17}, 5^3, 10^5\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^8, 10^5\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^{13}, 10^5\})$	137438953480000
10	$\mathcal{O}(2; \{2^{20}, 10^6\})$	8200000
10	$\mathcal{O}(2; \{2^{12}, 5^5, 10^6\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^{10}, 10^6\})$	8589934600000
10	$\mathcal{O}(2; \{2^{15}, 5^2, 10^7\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^7, 10^7\})$	536870920000
10	$\mathcal{O}(2; \{2^{10}, 5^4, 10^8\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^9, 10^8\})$	34359738360000
10	$\mathcal{O}(2; \{2^{13}, 5, 10^9\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^6, 10^9\})$	2147483640000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^8, 5^3, 10^{10}\})$	13421772000
10	$\mathcal{O}(2; \{5^8, 10^{10}\})$	137438953480000
10	$\mathcal{O}(2; \{2^{11}, 10^{11}\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^5, 10^{11}\})$	8589934600000
10	$\mathcal{O}(2; \{2^6, 5^2, 10^{12}\})$	536870920000
10	$\mathcal{O}(2; \{2, 5^4, 10^{13}\})$	34359738360000
10	$\mathcal{O}(2; \{2^4, 5, 10^{14}\})$	2147483640000
10	$\mathcal{O}(2; \{2^2, 10^{16}\})$	8589934600000
10	$\mathcal{O}(1; \{2^{30}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^{22}, 5^8\})$	1310800
10	$\mathcal{O}(1; \{2^{14}, 5^{13}\})$	1342177200
10	$\mathcal{O}(1; \{2^6, 5^{18}\})$	1374389534800
10	$\mathcal{O}(1; \{2^{25}, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^{17}, 5^{10}, 10\})$	83886000
10	$\mathcal{O}(1; \{2^9, 5^{15}, 10\})$	85899346000
10	$\mathcal{O}(1; \{2, 5^{20}, 10\})$	87960930222000
10	$\mathcal{O}(1; \{2^{28}, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^{20}, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{2^{12}, 5^{12}, 10^2\})$	5368709200
10	$\mathcal{O}(1; \{2^4, 5^{17}, 10^2\})$	5497558138800
10	$\mathcal{O}(1; \{2^{23}, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2^{15}, 5^9, 10^3\})$	335544400
10	$\mathcal{O}(1; \{2^7, 5^{14}, 10^3\})$	343597383600
10	$\mathcal{O}(1; \{2^{26}, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{2^{18}, 5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^{11}, 10^4\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^{16}, 10^4\})$	21990232555600
10	$\mathcal{O}(1; \{2^{21}, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2^{13}, 5^8, 10^5\})$	1342177200
10	$\mathcal{O}(1; \{2^5, 5^{13}, 10^5\})$	1374389534800
10	$\mathcal{O}(1; \{2^{24}, 10^6\})$	82000
10	$\mathcal{O}(1; \{2^{16}, 5^5, 10^6\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^{10}, 10^6\})$	85899346000
10	$\mathcal{O}(1; \{5^{15}, 10^6\})$	87960930222000
10	$\mathcal{O}(1; \{2^{19}, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(1; \{2^{11}, 5^7, 10^7\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^{12}, 10^7\})$	5497558138800
10	$\mathcal{O}(1; \{2^{14}, 5^4, 10^8\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^9, 10^8\})$	343597383600
10	$\mathcal{O}(1; \{2^{17}, 5, 10^9\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^6, 10^9\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^{11}, 10^9\})$	21990232555600
10	$\mathcal{O}(1; \{2^{12}, 5^3, 10^{10}\})$	1342177200

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^4, 5^8, 10^{10}\})$	1374389534800
10	$\mathcal{O}(1; \{2^{15}, 10^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^5, 10^{11}\})$	85899346000
10	$\mathcal{O}(1; \{2^{10}, 5^2, 10^{12}\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^7, 10^{12}\})$	5497558138800
10	$\mathcal{O}(1; \{2^5, 5^4, 10^{13}\})$	343597383600
10	$\mathcal{O}(1; \{2^8, 5, 10^{14}\})$	21474836400
10	$\mathcal{O}(1; \{5^6, 10^{14}\})$	21990232555600
10	$\mathcal{O}(1; \{2^3, 5^3, 10^{15}\})$	1374389534800
10	$\mathcal{O}(1; \{2^6, 10^{16}\})$	85899346000
10	$\mathcal{O}(1; \{2, 5^2, 10^{17}\})$	5497558138800
10	$\mathcal{O}(0; \{2^{34}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^{26}, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^{18}, 5^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^{10}, 5^{18}\})$	13743895348
10	$\mathcal{O}(0; \{2^2, 5^{23}\})$	14073748835532
10	$\mathcal{O}(0; \{2^{29}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^{21}, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2^{13}, 5^{15}, 10\})$	858993460
10	$\mathcal{O}(0; \{2^5, 5^{20}, 10\})$	879609302220
10	$\mathcal{O}(0; \{2^{32}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^{24}, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^{16}, 5^{12}, 10^2\})$	53687092
10	$\mathcal{O}(0; \{2^8, 5^{17}, 10^2\})$	54975581388
10	$\mathcal{O}(0; \{5^{22}, 10^2\})$	56294995342132
10	$\mathcal{O}(0; \{2^{27}, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^{19}, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^{11}, 5^{14}, 10^3\})$	3435973836
10	$\mathcal{O}(0; \{2^3, 5^{19}, 10^3\})$	3518437208884
10	$\mathcal{O}(0; \{2^{30}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^{22}, 5^6, 10^4\})$	209716
10	$\mathcal{O}(0; \{2^{14}, 5^{11}, 10^4\})$	214748364
10	$\mathcal{O}(0; \{2^6, 5^{16}, 10^4\})$	219902325556
10	$\mathcal{O}(0; \{2^{25}, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^{17}, 5^8, 10^5\})$	13421772
10	$\mathcal{O}(0; \{2^9, 5^{13}, 10^5\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^{18}, 10^5\})$	14073748835532
10	$\mathcal{O}(0; \{2^{28}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^{20}, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^{10}, 10^6\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{15}, 10^6\})$	879609302220
10	$\mathcal{O}(0; \{2^{23}, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{2^{15}, 5^7, 10^7\})$	53687092

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^{12}, 10^7\})$	54975581388
10	$\mathcal{O}(0; \{2^{18}, 5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^9, 10^8\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{14}, 10^8\})$	3518437208884
10	$\mathcal{O}(0; \{2^{21}, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{2^{13}, 5^6, 10^9\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^{11}, 10^9\})$	219902325556
10	$\mathcal{O}(0; \{2^{16}, 5^3, 10^{10}\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^8, 10^{10}\})$	13743895348
10	$\mathcal{O}(0; \{5^{13}, 10^{10}\})$	14073748835532
10	$\mathcal{O}(0; \{2^{19}, 10^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{11}, 5^5, 10^{11}\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^{10}, 10^{11}\})$	879609302220
10	$\mathcal{O}(0; \{2^{14}, 5^2, 10^{12}\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^7, 10^{12}\})$	54975581388
10	$\mathcal{O}(0; \{2^9, 5^4, 10^{13}\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^9, 10^{13}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{12}, 5, 10^{14}\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^6, 10^{14}\})$	219902325556
10	$\mathcal{O}(0; \{2^7, 5^3, 10^{15}\})$	13743895348
10	$\mathcal{O}(0; \{2^{10}, 10^{16}\})$	858993460
10	$\mathcal{O}(0; \{2^2, 5^5, 10^{16}\})$	879609302220
10	$\mathcal{O}(0; \{2^5, 5^2, 10^{17}\})$	54975581388
10	$\mathcal{O}(0; \{5^4, 10^{18}\})$	3518437208884
10	$\mathcal{O}(0; \{2^3, 5, 10^{19}\})$	219902325556
10	$\mathcal{O}(0; \{2, 10^{21}\})$	879609302220
11	$\mathcal{O}(8; \{11^2\})$	459497298635721610
11	$\mathcal{O}(3; \{11^{13}\})$	161050999998389490
12	$\mathcal{O}(7; \{2^2, 4^2\})$	2567836392226816
12	$\mathcal{O}(7; \{4, 6, 12\})$	5135673858195456
12	$\mathcal{O}(7; \{3, 12^2\})$	5135673858195456
12	$\mathcal{O}(6; \{2^6, 4^2\})$	17832167342080
12	$\mathcal{O}(6; \{2^2, 3^3, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{2^3, 4^4\})$	71328669368320
12	$\mathcal{O}(6; \{4^6\})$	285314677473280
12	$\mathcal{O}(6; \{2^3, 3, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{3, 4^4, 6\})$	142657607172096
12	$\mathcal{O}(6; \{3^2, 4^2, 6^2\})$	106993205379072
12	$\mathcal{O}(6; \{2, 4^2, 6^3\})$	35664401793024
12	$\mathcal{O}(6; \{2^3, 3^2, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{3^2, 4^3, 12\})$	142657607172096
12	$\mathcal{O}(6; \{2^4, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{3^3, 4, 6, 12\})$	178322008965120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(6; \{2, 4^3, 6, 12\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3, 4, 6^2, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^4, 3, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{3^4, 12^2\})$	392308419723264
12	$\mathcal{O}(6; \{2, 3, 4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3^2, 6, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2^2, 6^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 4, 12^3\})$	142657607172096
12	$\mathcal{O}(6; \{6, 12^4\})$	713288035860480
12	$\mathcal{O}(5; \{2^{10}, 4^2\})$	123832631296
12	$\mathcal{O}(5; \{2^6, 3^3, 4^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^6, 4^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^7, 4^4\})$	495330525184
12	$\mathcal{O}(5; \{2^3, 3^3, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{2^4, 4^6\})$	1981322100736
12	$\mathcal{O}(5; \{3^3, 4^6\})$	3962711310336
12	$\mathcal{O}(5; \{2, 4^8\})$	7925288402944
12	$\mathcal{O}(5; \{2^7, 3, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^4, 4^2, 6\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 3, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{3^4, 4^4, 6\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3, 4^6, 6\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3^2, 4^2, 6^2\})$	743008370688
12	$\mathcal{O}(5; \{3^5, 4^2, 6^2\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3^2, 4^4, 6^2\})$	2972033482752
12	$\mathcal{O}(5; \{2^5, 4^2, 6^3\})$	247669456896
12	$\mathcal{O}(5; \{2, 3^3, 4^2, 6^3\})$	2724364025856
12	$\mathcal{O}(5; \{2^2, 4^4, 6^3\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3, 4^2, 6^4\})$	1238347284480
12	$\mathcal{O}(5; \{4^2, 6^6\})$	2724364025856
12	$\mathcal{O}(5; \{2^7, 3^2, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^5, 4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 3^2, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^5, 4^3, 12\})$	10897456103424
12	$\mathcal{O}(5; \{2, 3^2, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^8, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^4, 3^3, 4, 6, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3^6, 4, 6, 12\})$	10649786646528
12	$\mathcal{O}(5; \{2^5, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^3, 4^3, 6, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 4^5, 6, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3, 4, 6^2, 12\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^4, 4, 6^2, 12\})$	5201058594816

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^2, 3, 4^3, 6^2, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3^2, 4, 6^3, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 4, 6^4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{4^3, 6^4, 12\})$	4953389137920
12	$\mathcal{O}(5; \{3, 4, 6^5, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^8, 3, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^4, 3^4, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{3^7, 12^2\})$	21051903836160
12	$\mathcal{O}(5; \{2^5, 3, 4^2, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^4, 4^2, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 3, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3^2, 6, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^5, 6, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^2, 3^2, 4^2, 6, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^6, 6^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^3, 6^2, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 4^2, 6^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{4^4, 6^2, 12^2\})$	11888133931008
12	$\mathcal{O}(5; \{2^3, 3, 6^3, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{3, 4^2, 6^3, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{3^2, 6^4, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2, 6^5, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^6, 4, 12^3\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3^3, 4, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^3, 4^3, 12^3\})$	3962711310336
12	$\mathcal{O}(5; \{4^5, 12^3\})$	15850845241344
12	$\mathcal{O}(5; \{2^3, 3, 4, 6, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{3, 4^3, 6, 12^3\})$	19813556551680
12	$\mathcal{O}(5; \{3^2, 4, 6^2, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2, 4, 6^3, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^3, 3^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{3^2, 4^2, 12^4\})$	43589824413696
12	$\mathcal{O}(5; \{2^4, 6, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{3^3, 6, 12^4\})$	42599146586112
12	$\mathcal{O}(5; \{2, 4^2, 6, 12^4\})$	19813556551680
12	$\mathcal{O}(5; \{2, 3, 6^2, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2, 3, 4, 12^5\})$	43589824413696
12	$\mathcal{O}(5; \{2^2, 12^6\})$	43589824413696
12	$\mathcal{O}(4; \{2^{14}, 4^2\})$	859832320
12	$\mathcal{O}(4; \{2^{10}, 3^3, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^6, 4^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^9, 4^2\})$	146193776640
12	$\mathcal{O}(4; \{2^{11}, 4^4\})$	3439329280

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^7, 3^3, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^6, 4^4\})$	75676778496
12	$\mathcal{O}(4; \{2^8, 4^6\})$	13757317120
12	$\mathcal{O}(4; \{2^4, 3^3, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{3^6, 4^6\})$	302707113984
12	$\mathcal{O}(4; \{2^5, 4^8\})$	55029268480
12	$\mathcal{O}(4; \{2, 3^3, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{2^2, 4^{10}\})$	220117073920
12	$\mathcal{O}(4; \{2^{11}, 3, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^4, 4^2, 6\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^7, 4^2, 6\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 3, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^4, 4^4, 6\})$	34398535680
12	$\mathcal{O}(4; \{3^7, 4^4, 6\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 3, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^4, 4^6, 6\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3, 4^8, 6\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3^2, 4^2, 6^2\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^5, 4^2, 6^2\})$	36118462464
12	$\mathcal{O}(4; \{3^8, 4^2, 6^2\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3^2, 4^4, 6^2\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^5, 4^4, 6^2\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^2, 4^6, 6^2\})$	82556485632
12	$\mathcal{O}(4; \{2^9, 4^2, 6^3\})$	1719926784
12	$\mathcal{O}(4; \{2^5, 3^3, 4^2, 6^3\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^6, 4^2, 6^3\})$	146193776640
12	$\mathcal{O}(4; \{2^6, 4^4, 6^3\})$	6879707136
12	$\mathcal{O}(4; \{2^2, 3^3, 4^4, 6^3\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 4^6, 6^3\})$	27518828544
12	$\mathcal{O}(4; \{4^8, 6^3\})$	110075314176
12	$\mathcal{O}(4; \{2^6, 3, 4^2, 6^4\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^4, 4^2, 6^4\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 3, 4^4, 6^4\})$	34398535680
12	$\mathcal{O}(4; \{3, 4^6, 6^4\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 6^5\})$	36118462464
12	$\mathcal{O}(4; \{3^2, 4^4, 6^5\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 4^2, 6^6\})$	18919194624
12	$\mathcal{O}(4; \{3^3, 4^2, 6^6\})$	146193776640
12	$\mathcal{O}(4; \{2, 4^4, 6^6\})$	75676778496
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^7\})$	73956851712
12	$\mathcal{O}(4; \{2^{11}, 3^2, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^5, 4, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^8, 4, 12\})$	146193776640

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^8, 3^2, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^5, 4^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{3^8, 4^3, 12\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 3^2, 4^5, 12\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^5, 4^5, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3^2, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^{12}, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^3, 4, 6, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^6, 4, 6, 12\})$	73956851712
12	$\mathcal{O}(4; \{3^9, 4, 6, 12\})$	586495033344
12	$\mathcal{O}(4; \{2^9, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^3, 4^3, 6, 12\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^6, 4^3, 6, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^6, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^3, 4^5, 6, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{4^9, 6, 12\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3, 4, 6^2, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^4, 4, 6^2, 12\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^7, 4, 6^2, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3, 4^3, 6^2, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^4, 4^3, 6^2, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3, 4^5, 6^2, 12\})$	82556485632
12	$\mathcal{O}(4; \{3, 4^7, 6^2, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^6, 3^2, 4, 6^3, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^5, 4, 6^3, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 3^2, 4^3, 6^3, 12\})$	75676778496
12	$\mathcal{O}(4; \{3^2, 4^5, 6^3, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^7, 4, 6^4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^3, 4, 6^4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 4^3, 6^4, 12\})$	34398535680
12	$\mathcal{O}(4; \{3^3, 4^3, 6^4, 12\})$	295827406848
12	$\mathcal{O}(4; \{2, 4^5, 6^4, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 3, 4, 6^5, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^4, 4, 6^5, 12\})$	294107480064
12	$\mathcal{O}(4; \{2, 3, 4^3, 6^5, 12\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^2, 4, 6^6, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 4, 6^7, 12\})$	73956851712
12	$\mathcal{O}(4; \{2^{12}, 3, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^4, 3^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{3^{10}, 12^2\})$	1174709993472
12	$\mathcal{O}(4; \{2^9, 3, 4^2, 12^2\})$	6879707136

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^5, 3^4, 4^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^7, 4^2, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^6, 3, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^4, 4^4, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 3, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{3, 4^8, 12^2\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3^2, 6, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^5, 3^5, 6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^8, 6, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^6, 3^2, 4^2, 6, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^5, 4^2, 6, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3^2, 4^4, 6, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{3^2, 4^6, 6, 12^2\})$	550376570880
12	$\mathcal{O}(4; \{2^{10}, 6^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^6, 3^3, 6^2, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^6, 6^2, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 4^2, 6^2, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^3, 4^2, 6^2, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 4^4, 6^2, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{3^3, 4^4, 6^2, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2, 4^6, 6^2, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^7, 3, 6^3, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^4, 6^3, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 6^3, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^4, 4^2, 6^3, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2, 3, 4^4, 6^3, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^4, 3^2, 6^4, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^5, 6^4, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6^4, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 6^5, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^3, 6^5, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^2, 4^2, 6^5, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3, 6^6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{6^8, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^{10}, 4, 12^3\})$	6879707136
12	$\mathcal{O}(4; \{2^6, 3^3, 4, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^6, 4, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^7, 4^3, 12^3\})$	27518828544
12	$\mathcal{O}(4; \{2^3, 3^3, 4^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^4, 4^5, 12^3\})$	110075314176
12	$\mathcal{O}(4; \{3^3, 4^5, 12^3\})$	1210828455936
12	$\mathcal{O}(4; \{2, 4^7, 12^3\})$	440301256704
12	$\mathcal{O}(4; \{2^7, 3, 4, 6, 12^3\})$	34398535680

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^3, 3^4, 4, 6, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 3, 4^3, 6, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{3^4, 4^3, 6, 12^3\})$	1183309627392
12	$\mathcal{O}(4; \{2, 3, 4^5, 6, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^4, 3^2, 4, 6^2, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^5, 4, 6^2, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2, 3^2, 4^3, 6^2, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^5, 4, 6^3, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^3, 4, 6^3, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 4^3, 6^3, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3, 4, 6^4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{4, 6^6, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^7, 3^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^4, 3^2, 4^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{3^5, 4^2, 12^4\})$	2339100426240
12	$\mathcal{O}(4; \{2, 3^2, 4^4, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^8, 6, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3^3, 6, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3^6, 6, 12^4\})$	2345980133376
12	$\mathcal{O}(4; \{2^5, 4^2, 6, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{2, 3^3, 4^2, 6, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 4^4, 6, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{2^5, 3, 6^2, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^4, 6^2, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 6^2, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 3^2, 6^3, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 6^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{4^2, 6^4, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{3, 6^5, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 3, 4, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^4, 4, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2^2, 3, 4^3, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{2^2, 3^2, 4, 6, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 4, 6^2, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{4^3, 6^2, 12^5\})$	2311581597696
12	$\mathcal{O}(4; \{3, 4, 6^3, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2^6, 12^6\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3^3, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2^3, 4^2, 12^6\})$	1210828455936
12	$\mathcal{O}(4; \{4^4, 12^6\})$	4843313823744
12	$\mathcal{O}(4; \{2^3, 3, 6, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{3, 4^2, 6, 12^6\})$	4733238509568

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3^2, 6^2, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2, 6^3, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{3^2, 4, 12^7\})$	9356401704960
12	$\mathcal{O}(4; \{2, 4, 6, 12^7\})$	4733238509568
12	$\mathcal{O}(4; \{2, 3, 12^8\})$	9356401704960
12	$\mathcal{O}(3; \{2^{18}, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^{14}, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^6, 4^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^9, 4^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^{12}, 4^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{15}, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^6, 4^4\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^9, 4^4\})$	4060938240
12	$\mathcal{O}(3; \{2^{12}, 4^6\})$	95420416
12	$\mathcal{O}(3; \{2^8, 3^3, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^6, 4^6\})$	2102132736
12	$\mathcal{O}(3; \{3^9, 4^6\})$	16243752960
12	$\mathcal{O}(3; \{2^9, 4^8\})$	381681664
12	$\mathcal{O}(3; \{2^5, 3^3, 4^8\})$	764411904
12	$\mathcal{O}(3; \{2, 3^6, 4^8\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 4^{10}\})$	1526726656
12	$\mathcal{O}(3; \{2^2, 3^3, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{2^3, 4^{12}\})$	6106906624
12	$\mathcal{O}(3; \{4^{14}\})$	24427626496
12	$\mathcal{O}(3; \{2^{15}, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^4, 4^2, 6\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^7, 4^2, 6\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^{10}, 4^2, 6\})$	4072882176
12	$\mathcal{O}(3; \{2^{12}, 3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^4, 4^4, 6\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^7, 4^4, 6\})$	2054356992
12	$\mathcal{O}(3; \{3^{10}, 4^4, 6\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 3, 4^6, 6\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^4, 4^6, 6\})$	955514880
12	$\mathcal{O}(3; \{2, 3^7, 4^6, 6\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 3, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^4, 4^8, 6\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 3, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{3, 4^{12}, 6\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^5, 4^2, 6^2\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^8, 4^2, 6^2\})$	2042413056

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^{11}, 4^2, 6^2\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3^2, 4^4, 6^2\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^5, 4^4, 6^2\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^8, 4^4, 6^2\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3^2, 4^6, 6^2\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^5, 4^6, 6^2\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^2, 4^8, 6^2\})$	2293235712
12	$\mathcal{O}(3; \{3^2, 4^{10}, 6^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{13}, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{2^9, 3^3, 4^2, 6^3\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^6, 4^2, 6^3\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^9, 4^2, 6^3\})$	8157708288
12	$\mathcal{O}(3; \{2^{10}, 4^4, 6^3\})$	47775744
12	$\mathcal{O}(3; \{2^6, 3^3, 4^4, 6^3\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^6, 4^4, 6^3\})$	4060938240
12	$\mathcal{O}(3; \{2^7, 4^6, 6^3\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^3, 4^6, 6^3\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 4^8, 6^3\})$	764411904
12	$\mathcal{O}(3; \{3^3, 4^8, 6^3\})$	8408530944
12	$\mathcal{O}(3; \{2, 4^{10}, 6^3\})$	3057647616
12	$\mathcal{O}(3; \{2^{10}, 3, 4^2, 6^4\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^4, 4^2, 6^4\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^7, 4^2, 6^4\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 3, 4^4, 6^4\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^4, 4^4, 6^4\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3, 4^6, 6^4\})$	955514880
12	$\mathcal{O}(3; \{3^4, 4^6, 6^4\})$	8217427968
12	$\mathcal{O}(3; \{2, 3, 4^8, 6^4\})$	3822059520
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 6^5\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 6^5\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 6^5\})$	1003290624
12	$\mathcal{O}(3; \{3^5, 4^4, 6^5\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 6^5\})$	4013162496
12	$\mathcal{O}(3; \{2^8, 4^2, 6^6\})$	131383296
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6^6\})$	1015234560
12	$\mathcal{O}(3; \{3^6, 4^2, 6^6\})$	8157708288
12	$\mathcal{O}(3; \{2^5, 4^4, 6^6\})$	525533184
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6^6\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 4^6, 6^6\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^7\})$	513589248
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^7\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^7\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^8\})$	2042413056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 4^2, 6^9\})$	1015234560
12	$\mathcal{O}(3; \{4^4, 6^9\})$	4060938240
12	$\mathcal{O}(3; \{3, 4^2, 6^{10}\})$	4072882176
12	$\mathcal{O}(3; \{2^{15}, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^5, 4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^8, 4, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^{11}, 4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^5, 4^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^8, 4^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{3^{11}, 4^3, 12\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 3^2, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^5, 4^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^8, 4^5, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 3^2, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^5, 4^7, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 3^2, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{3^2, 4^{11}, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{16}, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{12}, 3^3, 4, 6, 12\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^6, 4, 6, 12\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^9, 4, 6, 12\})$	4072882176
12	$\mathcal{O}(3; \{3^{12}, 4, 6, 12\})$	32618889216
12	$\mathcal{O}(3; \{2^{13}, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^3, 4^3, 6, 12\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^6, 4^3, 6, 12\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^9, 4^3, 6, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^{10}, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^3, 4^5, 6, 12\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^6, 4^5, 6, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^3, 4^7, 6, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^4, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{3^3, 4^9, 6, 12\})$	15288238080
12	$\mathcal{O}(3; \{2, 4^{11}, 6, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^4, 4, 6^2, 12\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^7, 4, 6^2, 12\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{10}, 4, 6^2, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3, 4^3, 6^2, 12\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^4, 4^3, 6^2, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^7, 4^3, 6^2, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3, 4^5, 6^2, 12\})$	573308928

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3^4, 4^5, 6^2, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3, 4^7, 6^2, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^4, 4^7, 6^2, 12\})$	16052649984
12	$\mathcal{O}(3; \{2, 3, 4^9, 6^2, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4, 6^3, 12\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^5, 4, 6^3, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^8, 4, 6^3, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 3^2, 4^3, 6^3, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^5, 4^3, 6^3, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 3^2, 4^5, 6^3, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^5, 4^5, 6^3, 12\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^2, 4^7, 6^3, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^{11}, 4, 6^4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^3, 4, 6^4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^6, 4, 6^4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 4^3, 6^4, 12\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^3, 4^3, 6^4, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^6, 4^3, 6^4, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 4^5, 6^4, 12\})$	955514880
12	$\mathcal{O}(3; \{2, 3^3, 4^5, 6^4, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 4^7, 6^4, 12\})$	3822059520
12	$\mathcal{O}(3; \{2^8, 3, 4, 6^5, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 6^5, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^7, 4, 6^5, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 6^5, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 6^5, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 6^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6^6, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^5, 4, 6^6, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6^6, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^6, 4, 6^7, 12\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^7, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 4^3, 6^7, 12\})$	2054356992
12	$\mathcal{O}(3; \{4^5, 6^7, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^8, 12\})$	2042413056
12	$\mathcal{O}(3; \{3, 4^3, 6^8, 12\})$	8169652224
12	$\mathcal{O}(3; \{3^2, 4, 6^9, 12\})$	8157708288
12	$\mathcal{O}(3; \{2, 4, 6^{10}, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^{16}, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{12}, 3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^8, 3^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 3^{10}, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{3^{13}, 12^2\})$	65225834496

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{13}, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^4, 4^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^7, 4^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^{10}, 4^2, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^{10}, 3, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^4, 4^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^7, 4^4, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^7, 3, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^4, 4^6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^4, 3, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{3^4, 4^8, 12^2\})$	33634123776
12	$\mathcal{O}(3; \{2, 3, 4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^9, 3^5, 6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^5, 3^8, 6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^{11}, 6, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^2, 6, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^5, 4^2, 6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^8, 4^2, 6, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3^2, 4^4, 6, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^5, 4^4, 6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3^2, 4^6, 6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3^5, 4^6, 6, 12^2\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^2, 4^8, 6, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^{14}, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^{10}, 3^3, 6^2, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^6, 6^2, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^9, 6^2, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{11}, 4^2, 6^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^3, 4^2, 6^2, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^6, 4^2, 6^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 4^4, 6^2, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^3, 4^4, 6^2, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^6, 4^4, 6^2, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 4^6, 6^2, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^3, 4^6, 6^2, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 4^8, 6^2, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{2^{11}, 3, 6^3, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^4, 6^3, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^7, 6^3, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 6^3, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 6^3, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^7, 4^2, 6^3, 12^2\})$	32630833152

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 6^3, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 6^3, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 6^3, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^8, 3^2, 6^4, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^5, 6^4, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^8, 6^4, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6^4, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6^4, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^9, 6^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^3, 6^5, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^6, 6^5, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^6, 4^2, 6^5, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^5, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 4^4, 6^5, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{4^6, 6^5, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^6, 3, 6^6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^4, 6^6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3, 4^4, 6^6, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3^2, 6^7, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^2, 4^2, 6^7, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^4, 6^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{3^3, 6^8, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2, 4^2, 6^8, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2, 3, 6^9, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{14}, 4, 12^3\})$	47775744
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^6, 4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^9, 4, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^{11}, 4^3, 12^3\})$	191102976
12	$\mathcal{O}(3; \{2^7, 3^3, 4^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^6, 4^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^8, 4^5, 12^3\})$	764411904
12	$\mathcal{O}(3; \{2^4, 3^3, 4^5, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{3^6, 4^5, 12^3\})$	64975011840
12	$\mathcal{O}(3; \{2^5, 4^7, 12^3\})$	3057647616
12	$\mathcal{O}(3; \{2, 3^3, 4^7, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^2, 4^9, 12^3\})$	12230590464
12	$\mathcal{O}(3; \{2^{11}, 3, 4, 6, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^4, 4, 6, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^7, 4, 6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 3, 4^3, 6, 12^3\})$	955514880

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^4, 4^3, 6, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3^7, 4^3, 6, 12^3\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 3, 4^5, 6, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^4, 4^5, 6, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3, 4^7, 6, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^8, 3^2, 4, 6^2, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^5, 4, 6^2, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^8, 4, 6^2, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^5, 3^2, 4^3, 6^2, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^5, 4^3, 6^2, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 3^2, 4^5, 6^2, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^9, 4, 6^3, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 6^3, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^6, 4, 6^3, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 4^3, 6^3, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 6^3, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 4^5, 6^3, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{4^7, 6^3, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^6, 3, 4, 6^4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6^4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6^4, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3, 4^5, 6^4, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^5, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^2, 4^3, 6^5, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 4, 6^6, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{3^3, 4, 6^6, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2, 4^3, 6^6, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2, 3, 4, 6^7, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^{11}, 3^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^7, 3^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^8, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^8, 3^2, 4^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^5, 4^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3^8, 4^2, 12^4\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 3^2, 4^4, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^5, 4^4, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 3^2, 4^6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^{12}, 6, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^8, 3^3, 6, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^6, 6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3^9, 6, 12^4\})$	130475556864
12	$\mathcal{O}(3; \{2^9, 4^2, 6, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^5, 3^3, 4^2, 6, 12^4\})$	8217427968

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^6, 4^2, 6, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^6, 4^4, 6, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3^3, 4^4, 6, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 4^6, 6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{4^8, 6, 12^4\})$	61152952320
12	$\mathcal{O}(3; \{2^9, 3, 6^2, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^4, 6^2, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^7, 6^2, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 6^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 6^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 6^2, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{3, 4^6, 6^2, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2^6, 3^2, 6^3, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^5, 6^3, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6^3, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3^2, 4^4, 6^3, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^7, 6^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^3, 6^4, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^4, 4^2, 6^4, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{3^3, 4^2, 6^4, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2, 4^4, 6^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^4, 3, 6^5, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^4, 6^5, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^5, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^2, 6^6, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 6^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 3, 4, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3^4, 4, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^7, 4, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2^6, 3, 4^3, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3^4, 4^3, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 3, 4^5, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{3, 4^7, 12^5\})$	134536495104
12	$\mathcal{O}(3; \{2^6, 3^2, 4, 6, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^5, 4, 6, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 3^2, 4^3, 6, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{3^2, 4^5, 6, 12^5\})$	131478847488
12	$\mathcal{O}(3; \{2^7, 4, 6^2, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 6^2, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 4^3, 6^2, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{3^3, 4^3, 6^2, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{2, 4^5, 6^2, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^4, 3, 4, 6^3, 12^5\})$	16243752960

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^4, 4, 6^3, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2, 3, 4^3, 6^3, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 4, 6^5, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{2^{10}, 12^6\})$	2102132736
12	$\mathcal{O}(3; \{2^6, 3^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^7, 4^2, 12^6\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^4, 4^4, 12^6\})$	33634123776
12	$\mathcal{O}(3; \{3^3, 4^4, 12^6\})$	259900047360
12	$\mathcal{O}(3; \{2, 4^6, 12^6\})$	134536495104
12	$\mathcal{O}(3; \{2^7, 3, 6, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^4, 6, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{3^4, 4^2, 6, 12^6\})$	260664459264
12	$\mathcal{O}(3; \{2, 3, 4^4, 6, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^4, 3^2, 6^2, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^5, 6^2, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^2, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^5, 6^3, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^3, 6^3, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^2, 4^2, 6^3, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 3, 6^4, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{6^6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{3^5, 4, 12^7\})$	522093330432
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 12^7\})$	259900047360
12	$\mathcal{O}(3; \{2^5, 4, 6, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^3, 4, 6, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 4^3, 6, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^2, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{4, 6^4, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^5, 3, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^4, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{2^2, 3^2, 6, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2^3, 6^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{4^2, 6^2, 12^8\})$	522857742336
12	$\mathcal{O}(3; \{3, 6^3, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2^3, 4, 12^9\})$	259900047360
12	$\mathcal{O}(3; \{4^3, 12^9\})$	1039600189440
12	$\mathcal{O}(3; \{3, 4, 6, 12^9\})$	1042657837056

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^2, 12^{10}\})$	2088373321728
12	$\mathcal{O}(3; \{2, 6, 12^{10}\})$	1042657837056
12	$\mathcal{O}(2; \{2^{22}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^{18}, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^9, 4^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{12}, 4^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{15}, 4^2\})$	452957184
12	$\mathcal{O}(2; \{2^{19}, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4^4\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^9, 4^4\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4^4\})$	226603008
12	$\mathcal{O}(2; \{2^{16}, 4^6\})$	655360
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^6, 4^6\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^9, 4^6\})$	112803840
12	$\mathcal{O}(2; \{3^{12}, 4^6\})$	906412032
12	$\mathcal{O}(2; \{2^{13}, 4^8\})$	2621440
12	$\mathcal{O}(2; \{2^9, 3^3, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^6, 4^8\})$	58392576
12	$\mathcal{O}(2; \{2, 3^9, 4^8\})$	451215360
12	$\mathcal{O}(2; \{2^{10}, 4^{10}\})$	10485760
12	$\mathcal{O}(2; \{2^6, 3^3, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^6, 4^{10}\})$	233570304
12	$\mathcal{O}(2; \{2^7, 4^{12}\})$	41943040
12	$\mathcal{O}(2; \{2^3, 3^3, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{2^4, 4^{14}\})$	167772160
12	$\mathcal{O}(2; \{3^3, 4^{14}\})$	339738624
12	$\mathcal{O}(2; \{2, 4^{16}\})$	671088640
12	$\mathcal{O}(2; \{2^{19}, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^7, 4^2, 6\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^{10}, 4^2, 6\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{13}, 4^2, 6\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^7, 4^4, 6\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^4, 6\})$	113135616
12	$\mathcal{O}(2; \{3^{13}, 4^4, 6\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^4, 4^6, 6\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^7, 4^6, 6\})$	57065472

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^{10}, 4^6, 6\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 3, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^4, 4^8, 6\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^7, 4^8, 6\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^4, 4^{10}, 6\})$	106168320
12	$\mathcal{O}(2; \{2^4, 3, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{3^4, 4^{12}, 6\})$	424673280
12	$\mathcal{O}(2; \{2, 3, 4^{14}, 6\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4^2, 6^2\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^8, 4^2, 6^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4^2, 6^2\})$	113218560
12	$\mathcal{O}(2; \{3^{14}, 4^2, 6^2\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^5, 4^4, 6^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^8, 4^4, 6^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{11}, 4^4, 6^2\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^6, 6^2\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^5, 4^6, 6^2\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^8, 4^6, 6^2\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3^2, 4^8, 6^2\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^5, 4^8, 6^2\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^2, 4^{10}, 6^2\})$	63700992
12	$\mathcal{O}(2; \{3^5, 4^{10}, 6^2\})$	445906944
12	$\mathcal{O}(2; \{2, 3^2, 4^{12}, 6^2\})$	254803968
12	$\mathcal{O}(2; \{2^{17}, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^6, 4^2, 6^3\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^9, 4^2, 6^3\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{12}, 4^2, 6^3\})$	452957184
12	$\mathcal{O}(2; \{2^{14}, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^4, 6^3\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^6, 4^4, 6^3\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^9, 4^4, 6^3\})$	226603008
12	$\mathcal{O}(2; \{2^{11}, 4^6, 6^3\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^3, 4^6, 6^3\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^6, 4^6, 6^3\})$	112803840
12	$\mathcal{O}(2; \{2^8, 4^8, 6^3\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3^3, 4^8, 6^3\})$	58392576
12	$\mathcal{O}(2; \{3^6, 4^8, 6^3\})$	451215360
12	$\mathcal{O}(2; \{2^5, 4^{10}, 6^3\})$	21233664
12	$\mathcal{O}(2; \{2, 3^3, 4^{10}, 6^3\})$	233570304

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^{12}, 6^3\})$	84934656
12	$\mathcal{O}(2; \{2^{14}, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^2, 6^4\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^7, 4^2, 6^4\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^2, 6^4\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 3, 4^4, 6^4\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^4, 4^4, 6^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^7, 4^4, 6^4\})$	113135616
12	$\mathcal{O}(2; \{2^8, 3, 4^6, 6^4\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^4, 4^6, 6^4\})$	57065472
12	$\mathcal{O}(2; \{3^7, 4^6, 6^4\})$	452542464
12	$\mathcal{O}(2; \{2^5, 3, 4^8, 6^4\})$	26542080
12	$\mathcal{O}(2; \{2, 3^4, 4^8, 6^4\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3, 4^{10}, 6^4\})$	106168320
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 6^5\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 6^5\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 6^5\})$	113218560
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 6^5\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 6^5\})$	56733696
12	$\mathcal{O}(2; \{3^8, 4^4, 6^5\})$	452874240
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 6^5\})$	27869184
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 6^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 6^5\})$	111476736
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6^6\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6^6\})$	56650752
12	$\mathcal{O}(2; \{3^9, 4^2, 6^6\})$	452957184
12	$\mathcal{O}(2; \{2^9, 4^4, 6^6\})$	3649536
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6^6\})$	28200960
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6^6\})$	226603008
12	$\mathcal{O}(2; \{2^6, 4^6, 6^6\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6^6\})$	112803840
12	$\mathcal{O}(2; \{2^3, 4^8, 6^6\})$	58392576
12	$\mathcal{O}(2; \{4^{10}, 6^6\})$	233570304
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^7\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^7\})$	28283904
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^7\})$	226520064
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^7\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^7\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^7\})$	57065472
12	$\mathcal{O}(2; \{3, 4^8, 6^7\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^8\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^8\})$	113218560

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^8\})$	56733696
12	$\mathcal{O}(2; \{3^2, 4^6, 6^8\})$	226934784
12	$\mathcal{O}(2; \{2^7, 4^2, 6^9\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^9\})$	56650752
12	$\mathcal{O}(2; \{2^4, 4^4, 6^9\})$	28200960
12	$\mathcal{O}(2; \{3^3, 4^4, 6^9\})$	226603008
12	$\mathcal{O}(2; \{2, 4^6, 6^9\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^{10}\})$	28283904
12	$\mathcal{O}(2; \{3^4, 4^2, 6^{10}\})$	226520064
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^{10}\})$	113135616
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^{11}\})$	113218560
12	$\mathcal{O}(2; \{2^2, 4^2, 6^{12}\})$	56650752
12	$\mathcal{O}(2; \{2^{19}, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^8, 4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^{11}, 4, 12\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{14}, 4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^8, 4^3, 12\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4^3, 12\})$	226603008
12	$\mathcal{O}(2; \{3^{14}, 4^3, 12\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^5, 4^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^8, 4^5, 12\})$	112803840
12	$\mathcal{O}(2; \{2, 3^{11}, 4^5, 12\})$	906412032
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^5, 4^7, 12\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^8, 4^7, 12\})$	451215360
12	$\mathcal{O}(2; \{2^7, 3^2, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^5, 4^9, 12\})$	233570304
12	$\mathcal{O}(2; \{2^4, 3^2, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{3^5, 4^{11}, 12\})$	934281216
12	$\mathcal{O}(2; \{2, 3^2, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{20}, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^6, 4, 6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^9, 4, 6, 12\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{12}, 4, 6, 12\})$	226520064
12	$\mathcal{O}(2; \{3^{15}, 4, 6, 12\})$	1811911680
12	$\mathcal{O}(2; \{2^{17}, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^6, 4^3, 6, 12\})$	14266368

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^9, 4^3, 6, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{12}, 4^3, 6, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{14}, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^5, 6, 12\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^6, 4^5, 6, 12\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^9, 4^5, 6, 12\})$	452542464
12	$\mathcal{O}(2; \{2^{11}, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^3, 4^7, 6, 12\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^6, 4^7, 6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^8, 4^9, 6, 12\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^3, 4^9, 6, 12\})$	106168320
12	$\mathcal{O}(2; \{3^6, 4^9, 6, 12\})$	913047552
12	$\mathcal{O}(2; \{2^5, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{2, 3^3, 4^{11}, 6, 12\})$	424673280
12	$\mathcal{O}(2; \{2^2, 4^{13}, 6, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^7, 4, 6^2, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4, 6^2, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{13}, 4, 6^2, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^3, 6^2, 12\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^7, 4^3, 6^2, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^3, 6^2, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3, 4^5, 6^2, 12\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^4, 4^5, 6^2, 12\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^7, 4^5, 6^2, 12\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3, 4^7, 6^2, 12\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^4, 4^7, 6^2, 12\})$	111476736
12	$\mathcal{O}(2; \{3^7, 4^7, 6^2, 12\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3, 4^9, 6^2, 12\})$	63700992
12	$\mathcal{O}(2; \{2, 3^4, 4^9, 6^2, 12\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3, 4^{11}, 6^2, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4, 6^3, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^8, 4, 6^3, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4, 6^3, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^3, 6^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^5, 4^3, 6^3, 12\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^8, 4^3, 6^3, 12\})$	226603008
12	$\mathcal{O}(2; \{2^8, 3^2, 4^5, 6^3, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^5, 4^5, 6^3, 12\})$	112803840
12	$\mathcal{O}(2; \{3^8, 4^5, 6^3, 12\})$	906412032

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^2, 4^7, 6^3, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^5, 4^7, 6^3, 12\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^2, 4^9, 6^3, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{15}, 4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4, 6^4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^6, 4, 6^4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^9, 4, 6^4, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 4^3, 6^4, 12\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^3, 4^3, 6^4, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^6, 4^3, 6^4, 12\})$	113135616
12	$\mathcal{O}(2; \{3^9, 4^3, 6^4, 12\})$	906080256
12	$\mathcal{O}(2; \{2^9, 4^5, 6^4, 12\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^3, 4^5, 6^4, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^6, 4^5, 6^4, 12\})$	452542464
12	$\mathcal{O}(2; \{2^6, 4^7, 6^4, 12\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^3, 4^7, 6^4, 12\})$	228261888
12	$\mathcal{O}(2; \{2^3, 4^9, 6^4, 12\})$	106168320
12	$\mathcal{O}(2; \{4^{11}, 6^4, 12\})$	424673280
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 6^5, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 6^5, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 6^5, 12\})$	113218560
12	$\mathcal{O}(2; \{3^{10}, 4, 6^5, 12\})$	905997312
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 6^5, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 6^5, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 6^5, 12\})$	452874240
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 6^5, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 6^5, 12\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 6^5, 12\})$	111476736
12	$\mathcal{O}(2; \{3, 4^9, 6^5, 12\})$	445906944
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6^6, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6^6, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^8, 4, 6^6, 12\})$	452957184
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6^6, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6^6, 12\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6^6, 12\})$	112803840
12	$\mathcal{O}(2; \{3^2, 4^7, 6^6, 12\})$	451215360
12	$\mathcal{O}(2; \{2^{10}, 4, 6^7, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^7, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^7, 12\})$	226520064
12	$\mathcal{O}(2; \{2^7, 4^3, 6^7, 12\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^7, 12\})$	113135616
12	$\mathcal{O}(2; \{2^4, 4^5, 6^7, 12\})$	57065472
12	$\mathcal{O}(2; \{3^3, 4^5, 6^7, 12\})$	452542464

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 4^7, 6^7, 12\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^8, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^8, 12\})$	113218560
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^8, 12\})$	56733696
12	$\mathcal{O}(2; \{3^4, 4^3, 6^8, 12\})$	452874240
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^8, 12\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^9, 12\})$	56650752
12	$\mathcal{O}(2; \{3^5, 4, 6^9, 12\})$	452957184
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^9, 12\})$	226603008
12	$\mathcal{O}(2; \{2^5, 4, 6^{10}, 12\})$	28283904
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^{10}, 12\})$	226520064
12	$\mathcal{O}(2; \{2^2, 4^3, 6^{10}, 12\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^{11}, 12\})$	113218560
12	$\mathcal{O}(2; \{4, 6^{13}, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{20}, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{12}, 3^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^8, 3^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3^{13}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{3^{16}, 12^2\})$	3623906304
12	$\mathcal{O}(2; \{2^{17}, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^7, 4^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{13}, 4^2, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^{14}, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^7, 4^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^4, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^{11}, 3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^4, 4^6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^7, 4^6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^8, 3, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^4, 4^8, 12^2\})$	233570304
12	$\mathcal{O}(2; \{3^7, 4^8, 12^2\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 3, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{2, 3^4, 4^{10}, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^2, 3, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{13}, 3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^9, 3^8, 6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^5, 3^{11}, 6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 3^{14}, 6, 12^2\})$	1811911680

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^2, 6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^8, 4^2, 6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^2, 6, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^4, 6, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^5, 4^4, 6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^8, 4^4, 6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^8, 3^2, 4^6, 6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^5, 4^6, 6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3^8, 4^6, 6, 12^2\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 3^2, 4^8, 6, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2, 3^5, 4^8, 6, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{10}, 6, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{18}, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{14}, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^6, 6^2, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^9, 6^2, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{12}, 6^2, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{15}, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^2, 6^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^6, 4^2, 6^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^9, 4^2, 6^2, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 4^4, 6^2, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^3, 4^4, 6^2, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^6, 4^4, 6^2, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^9, 4^4, 6^2, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 4^6, 6^2, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^3, 4^6, 6^2, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2, 3^6, 4^6, 6^2, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^6, 4^8, 6^2, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^3, 4^8, 6^2, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^3, 4^{10}, 6^2, 12^2\})$	254803968
12	$\mathcal{O}(2; \{4^{12}, 6^2, 12^2\})$	1019215872
12	$\mathcal{O}(2; \{2^{15}, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^4, 6^3, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^7, 6^3, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{10}, 6^3, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 6^3, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 6^3, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 6^3, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^{10}, 4^2, 6^3, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 6^3, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 6^3, 12^2\})$	112803840

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 6^3, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 6^3, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 6^3, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 6^3, 12^2\})$	233570304
12	$\mathcal{O}(2; \{3, 4^{10}, 6^3, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^{12}, 3^2, 6^4, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^5, 6^4, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^8, 6^4, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^{11}, 6^4, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6^4, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6^4, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6^4, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6^4, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3^2, 4^8, 6^4, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^{13}, 6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^3, 6^5, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^6, 6^5, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^9, 6^5, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^5, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^5, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^5, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^7, 4^4, 6^5, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^5, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^4, 4^6, 6^5, 12^2\})$	111476736
12	$\mathcal{O}(2; \{3^3, 4^6, 6^5, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2, 4^8, 6^5, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{10}, 3, 6^6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^4, 6^6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^7, 6^6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^4, 4^4, 6^6, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^7, 3^2, 6^7, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^5, 6^7, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^7, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^5, 4^2, 6^7, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^7, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^8, 6^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^3, 6^8, 12^2\})$	113218560

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^6, 6^8, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^5, 4^2, 6^8, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^8, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^2, 4^4, 6^8, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3, 6^9, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^4, 6^9, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^9, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^2, 6^{10}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^3, 6^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{4^2, 6^{11}, 12^2\})$	452874240
12	$\mathcal{O}(2; \{3, 6^{12}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{18}, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^9, 4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{15}, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^6, 4^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^9, 4^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^{12}, 4^5, 12^3\})$	5308416
12	$\mathcal{O}(2; \{2^8, 3^3, 4^5, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^6, 4^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{3^9, 4^5, 12^3\})$	3625648128
12	$\mathcal{O}(2; \{2^9, 4^7, 12^3\})$	21233664
12	$\mathcal{O}(2; \{2^5, 3^3, 4^7, 12^3\})$	233570304
12	$\mathcal{O}(2; \{2, 3^6, 4^7, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^6, 4^9, 12^3\})$	84934656
12	$\mathcal{O}(2; \{2^2, 3^3, 4^9, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^3, 4^{11}, 12^3\})$	339738624
12	$\mathcal{O}(2; \{4^{13}, 12^3\})$	1358954496
12	$\mathcal{O}(2; \{2^{15}, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4, 6, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^7, 4, 6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4, 6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 3, 4^3, 6, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^4, 4^3, 6, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^7, 4^3, 6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^{10}, 4^3, 6, 12^3\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 3, 4^5, 6, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^4, 4^5, 6, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2, 3^7, 4^5, 6, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 3, 4^7, 6, 12^3\})$	106168320

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^4, 4^7, 6, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^3, 3, 4^9, 6, 12^3\})$	424673280
12	$\mathcal{O}(2; \{3, 4^{11}, 6, 12^3\})$	1698693120
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4, 6^2, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^5, 4, 6^2, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^8, 4, 6^2, 12^3\})$	452874240
12	$\mathcal{O}(2; \{3^{11}, 4, 6^2, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^9, 3^2, 4^3, 6^2, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^5, 4^3, 6^2, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3^8, 4^3, 6^2, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 3^2, 4^5, 6^2, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^5, 4^5, 6^2, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^2, 4^7, 6^2, 12^3\})$	445906944
12	$\mathcal{O}(2; \{3^2, 4^9, 6^2, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2^{13}, 4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 6^3, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 6^3, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^9, 4, 6^3, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 4^3, 6^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 6^3, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 6^3, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^7, 4^5, 6^3, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 6^3, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^4, 4^7, 6^3, 12^3\})$	233570304
12	$\mathcal{O}(2; \{3^3, 4^7, 6^3, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2, 4^9, 6^3, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6^4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6^4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6^4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6^4, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6^4, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6^4, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^4, 4^5, 6^4, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2, 3, 4^7, 6^4, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^5, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^5, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^5, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^5, 4^3, 6^5, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^5, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^8, 4, 6^6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^6, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^6, 4, 6^6, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 4^3, 6^6, 12^3\})$	112803840

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^6, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^2, 4^5, 6^6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^7, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^7, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^7, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^8, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^3, 4, 6^9, 12^3\})$	226603008
12	$\mathcal{O}(2; \{4^3, 6^9, 12^3\})$	906412032
12	$\mathcal{O}(2; \{3, 4, 6^{10}, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{15}, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{11}, 3^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^7, 3^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3^{11}, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^5, 4^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^8, 4^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{3^{11}, 4^2, 12^4\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 3^2, 4^4, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^5, 4^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2, 3^8, 4^4, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 3^2, 4^6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^5, 4^6, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3^2, 4^8, 12^4\})$	934281216
12	$\mathcal{O}(2; \{3^2, 4^{10}, 12^4\})$	3737124864
12	$\mathcal{O}(2; \{2^{16}, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{12}, 3^3, 6, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^8, 3^6, 6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^9, 6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{3^{12}, 6, 12^4\})$	7247646720
12	$\mathcal{O}(2; \{2^{13}, 4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^9, 3^3, 4^2, 6, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^6, 4^2, 6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3^9, 4^2, 6, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^{10}, 4^4, 6, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^6, 3^3, 4^4, 6, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^6, 4^4, 6, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 4^6, 6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3^3, 4^6, 6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^4, 4^8, 6, 12^4\})$	424673280
12	$\mathcal{O}(2; \{3^3, 4^8, 6, 12^4\})$	3652190208
12	$\mathcal{O}(2; \{2, 4^{10}, 6, 12^4\})$	1698693120
12	$\mathcal{O}(2; \{2^{13}, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^4, 6^2, 12^4\})$	56733696

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^7, 6^2, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2, 3^{10}, 6^2, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 6^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 6^2, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 6^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 6^2, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 6^2, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 6^2, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3^4, 4^6, 6^2, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2, 3, 4^8, 6^2, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6^3, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^5, 6^3, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^8, 6^3, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6^3, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6^3, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6^3, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^5, 4^4, 6^3, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6^3, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^{11}, 6^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^3, 6^4, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^6, 6^4, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^8, 4^2, 6^4, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^4, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^6, 4^2, 6^4, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 4^4, 6^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^4, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 4^6, 6^4, 12^4\})$	913047552
12	$\mathcal{O}(2; \{2^8, 3, 6^5, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^4, 6^5, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^7, 6^5, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^5, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^5, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^5, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^2, 6^6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^5, 6^6, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^6, 6^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^3, 6^7, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^3, 4^2, 6^7, 12^4\})$	452542464
12	$\mathcal{O}(2; \{4^4, 6^7, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3, 6^8, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3, 4^2, 6^8, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{3^2, 6^9, 12^4\})$	1811828736

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 6^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^9, 3^4, 4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^7, 4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2, 3^{10}, 4, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^{10}, 3, 4^3, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^6, 3^4, 4^3, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^7, 4^3, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^7, 3, 4^5, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3^4, 4^5, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 3, 4^7, 12^5\})$	934281216
12	$\mathcal{O}(2; \{3^4, 4^7, 12^5\})$	7219445760
12	$\mathcal{O}(2; \{2, 3, 4^9, 12^5\})$	3737124864
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4, 6, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^5, 4, 6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^8, 4, 6, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 3^2, 4^3, 6, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^5, 4^3, 6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 3^2, 4^5, 6, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3^5, 4^5, 6, 12^5\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^2, 4^7, 6, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^{11}, 4, 6^2, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 6^2, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 6^2, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 4^3, 6^2, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 6^2, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^6, 4^3, 6^2, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 4^5, 6^2, 12^5\})$	445906944
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 6^2, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 4^7, 6^2, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{2^8, 3, 4, 6^3, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6^3, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^7, 4, 6^3, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6^3, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6^3, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6^3, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^4, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 4, 6^5, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^5, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 4^3, 6^5, 12^5\})$	907739136
12	$\mathcal{O}(2; \{4^5, 6^5, 12^5\})$	3630956544

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3, 4^3, 6^6, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{3^2, 4, 6^7, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2, 4, 6^8, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^{14}, 12^6\})$	14598144
12	$\mathcal{O}(2; \{2^{10}, 3^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^6, 3^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^9, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^{11}, 4^2, 12^6\})$	58392576
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^8, 4^4, 12^6\})$	233570304
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{3^6, 4^4, 12^6\})$	14502592512
12	$\mathcal{O}(2; \{2^5, 4^6, 12^6\})$	934281216
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^2, 4^8, 12^6\})$	3737124864
12	$\mathcal{O}(2; \{2^{11}, 3, 6, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^7, 3^4, 6, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^7, 6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3^7, 4^2, 6, 12^6\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6, 12^6\})$	913047552
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^8, 3^2, 6^2, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^5, 6^2, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3^8, 6^2, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^2, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^2, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^9, 6^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^3, 6^3, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^6, 6^3, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^6, 4^2, 6^3, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^3, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 4^4, 6^3, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{4^6, 6^3, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^6, 3, 6^4, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^4, 6^4, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^4, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3, 4^4, 6^4, 12^6\})$	7240679424

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^2, 6^5, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3^2, 4^2, 6^5, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^4, 6^6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{3^3, 6^6, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2, 4^2, 6^6, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2, 3, 6^7, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{3^8, 4, 12^7\})$	28989259776
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^9, 4, 6, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^6, 4, 6, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^6, 4^3, 6, 12^7\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 4^5, 6, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{4^7, 6, 12^7\})$	14608760832
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^2, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^2, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^2, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{3, 4^5, 6^2, 12^7\})$	14523826176
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^3, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{3^2, 4^3, 6^3, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2^4, 4, 6^4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{3^3, 4, 6^4, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2, 4^3, 6^4, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2, 3, 4, 6^5, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^9, 3, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^7, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{3, 4^6, 12^8\})$	28877783040
12	$\mathcal{O}(2; \{2^6, 3^2, 6, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^5, 6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{3^2, 4^4, 6, 12^8\})$	28962717696
12	$\mathcal{O}(2; \{2^7, 6^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^3, 6^2, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^4, 4^2, 6^2, 12^8\})$	3630956544

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^3, 4^2, 6^2, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2, 4^4, 6^2, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^4, 3, 6^3, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^4, 6^3, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^3, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2, 3^2, 6^4, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 6^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{2^7, 4, 12^9\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^4, 4^3, 12^9\})$	7219445760
12	$\mathcal{O}(2; \{3^3, 4^3, 12^9\})$	58010370048
12	$\mathcal{O}(2; \{2, 4^5, 12^9\})$	28877783040
12	$\mathcal{O}(2; \{2^4, 3, 4, 6, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{3^4, 4, 6, 12^9\})$	57989136384
12	$\mathcal{O}(2; \{2, 3, 4^3, 6, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^2, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 4, 6^3, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{2^4, 3^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{3^5, 12^{10}\})$	115957039104
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{2^5, 6, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^3, 6, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^2, 4^2, 6, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{2^2, 3, 6^2, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{6^4, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^2, 3, 4, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{4, 6^2, 12^{11}\})$	115935805440
12	$\mathcal{O}(2; \{2^3, 12^{12}\})$	58010370048
12	$\mathcal{O}(2; \{4^2, 12^{12}\})$	232041480192
12	$\mathcal{O}(2; \{3, 6, 12^{12}\})$	231956545536
12	$\mathcal{O}(1; \{2^{26}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{22}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{12}, 4^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{15}, 4^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{18}, 4^2\})$	25166016
12	$\mathcal{O}(1; \{2^{23}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4^4\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4^4\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4^4\})$	12582144

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{20}, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^9, 4^6\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^6\})$	6294528
12	$\mathcal{O}(1; \{3^{15}, 4^6\})$	50328576
12	$\mathcal{O}(1; \{2^{17}, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^6, 4^8\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^9, 4^8\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{12}, 4^8\})$	25178112
12	$\mathcal{O}(1; \{2^{14}, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^6, 4^{10}\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^9, 4^{10}\})$	12533760
12	$\mathcal{O}(1; \{2^{11}, 4^{12}\})$	262144
12	$\mathcal{O}(1; \{2^7, 3^3, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^6, 4^{12}\})$	6488064
12	$\mathcal{O}(1; \{2^8, 4^{14}\})$	1048576
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{3^6, 4^{14}\})$	25952256
12	$\mathcal{O}(1; \{2^5, 4^{16}\})$	4194304
12	$\mathcal{O}(1; \{2, 3^3, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{2^2, 4^{18}\})$	16777216
12	$\mathcal{O}(1; \{2^{23}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 4^2, 6\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{13}, 4^2, 6\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{16}, 4^2, 6\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^4, 6\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^4, 6\})$	6292224
12	$\mathcal{O}(1; \{3^{16}, 4^4, 6\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^7, 4^6, 6\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^6, 6\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{13}, 4^6, 6\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^8, 6\})$	184320

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^7, 4^8, 6\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^8, 6\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 3, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^4, 4^{10}, 6\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^7, 4^{10}, 6\})$	6340608
12	$\mathcal{O}(1; \{2^8, 3, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{12}, 6\})$	2949120
12	$\mathcal{O}(1; \{3^7, 4^{12}, 6\})$	25362432
12	$\mathcal{O}(1; \{2^5, 3, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{2, 3^4, 4^{14}, 6\})$	11796480
12	$\mathcal{O}(1; \{2^2, 3, 4^{16}, 6\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4^2, 6^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4^2, 6^2\})$	6291648
12	$\mathcal{O}(1; \{3^{17}, 4^2, 6^2\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^8, 4^4, 6^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^4, 6^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{14}, 4^4, 6^2\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^6, 6^2\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^8, 4^6, 6^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^6, 6^2\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^8, 6^2\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^5, 4^8, 6^2\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^8, 4^8, 6^2\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^2, 4^{10}, 6^2\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^5, 4^{10}, 6^2\})$	3096576
12	$\mathcal{O}(1; \{3^8, 4^{10}, 6^2\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{12}, 6^2\})$	1769472
12	$\mathcal{O}(1; \{2, 3^5, 4^{12}, 6^2\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{14}, 6^2\})$	7077888
12	$\mathcal{O}(1; \{2^{21}, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^9, 4^2, 6^3\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^2, 6^3\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{15}, 4^2, 6^3\})$	25166016
12	$\mathcal{O}(1; \{2^{18}, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^4, 6^3\})$	25344

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^4, 6^3\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^9, 4^4, 6^3\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^4, 6^3\})$	12582144
12	$\mathcal{O}(1; \{2^{15}, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^6, 6^3\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^6, 4^6, 6^3\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^9, 4^6, 6^3\})$	6294528
12	$\mathcal{O}(1; \{2^{12}, 4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^3, 4^8, 6^3\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^6, 4^8, 6^3\})$	3133440
12	$\mathcal{O}(1; \{3^9, 4^8, 6^3\})$	25178112
12	$\mathcal{O}(1; \{2^9, 4^{10}, 6^3\})$	147456
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{10}, 6^3\})$	1622016
12	$\mathcal{O}(1; \{2, 3^6, 4^{10}, 6^3\})$	12533760
12	$\mathcal{O}(1; \{2^6, 4^{12}, 6^3\})$	589824
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{12}, 6^3\})$	6488064
12	$\mathcal{O}(1; \{2^3, 4^{14}, 6^3\})$	2359296
12	$\mathcal{O}(1; \{4^{16}, 6^3\})$	9437184
12	$\mathcal{O}(1; \{2^{18}, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^2, 6^4\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^2, 6^4\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^2, 6^4\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^4, 6^4\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^7, 4^4, 6^4\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^4, 6^4\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^4, 4^6, 6^4\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^7, 4^6, 6^4\})$	3142656
12	$\mathcal{O}(1; \{3^{10}, 4^6, 6^4\})$	25168896
12	$\mathcal{O}(1; \{2^9, 3, 4^8, 6^4\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^4, 4^8, 6^4\})$	1585152
12	$\mathcal{O}(1; \{2, 3^7, 4^8, 6^4\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3, 4^{10}, 6^4\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{10}, 6^4\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3, 4^{12}, 6^4\})$	2949120
12	$\mathcal{O}(1; \{3, 4^{14}, 6^4\})$	11796480
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 6^5\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 6^5\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 6^5\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 6^5\})$	48384

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 6^5\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 6^5\})$	3144960
12	$\mathcal{O}(1; \{3^{11}, 4^4, 6^5\})$	25166592
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 6^5\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 6^5\})$	1575936
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 6^5\})$	12579840
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 6^5\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 6^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 6^5\})$	3096576
12	$\mathcal{O}(1; \{3^2, 4^{12}, 6^5\})$	12386304
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6^6\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6^6\})$	3145536
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6^6\})$	25166016
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6^6\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6^6\})$	1573632
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6^6\})$	12582144
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6^6\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6^6\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6^6\})$	6294528
12	$\mathcal{O}(1; \{2^7, 4^8, 6^6\})$	405504
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6^6\})$	3133440
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6^6\})$	1622016
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6^6\})$	12533760
12	$\mathcal{O}(1; \{2, 4^{12}, 6^6\})$	6488064
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^7\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^7\})$	1573056
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^7\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^7\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^7\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^7\})$	6292224
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^7\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^7\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^7\})$	1585152
12	$\mathcal{O}(1; \{3^4, 4^8, 6^7\})$	12570624
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^7\})$	6340608
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^8\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^8\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^8\})$	6291648
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^8\})$	393984

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^8\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^8\})$	1575936
12	$\mathcal{O}(1; \{3^5, 4^6, 6^8\})$	12579840
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^8\})$	6303744
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^9\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^9\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^9\})$	3145536
12	$\mathcal{O}(1; \{2^8, 4^4, 6^9\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^9\})$	1573632
12	$\mathcal{O}(1; \{3^6, 4^4, 6^9\})$	12582144
12	$\mathcal{O}(1; \{2^5, 4^6, 6^9\})$	783360
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^9\})$	6294528
12	$\mathcal{O}(1; \{2^2, 4^8, 6^9\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^{10}\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^{10}\})$	1573056
12	$\mathcal{O}(1; \{3^7, 4^2, 6^{10}\})$	12582720
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^{10}\})$	785664
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^{10}\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^{10}\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^{11}\})$	786240
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^{11}\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^{11}\})$	3144960
12	$\mathcal{O}(1; \{2^6, 4^2, 6^{12}\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^{12}\})$	3145536
12	$\mathcal{O}(1; \{2^3, 4^4, 6^{12}\})$	1573632
12	$\mathcal{O}(1; \{4^6, 6^{12}\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^{13}\})$	1573056
12	$\mathcal{O}(1; \{3, 4^4, 6^{13}\})$	6292224
12	$\mathcal{O}(1; \{3^2, 4^2, 6^{14}\})$	6291648
12	$\mathcal{O}(1; \{2, 4^2, 6^{15}\})$	3145536
12	$\mathcal{O}(1; \{2^{23}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^{11}, 4, 12\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{14}, 4, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{17}, 4, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4^3, 12\})$	12582144
12	$\mathcal{O}(1; \{3^{17}, 4^3, 12\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^5, 12\})$	9216

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^8, 4^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^5, 12\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{14}, 4^5, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^7, 12\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^8, 4^7, 12\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^7, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^5, 4^9, 12\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^8, 4^9, 12\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3^2, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^5, 4^{11}, 12\})$	6488064
12	$\mathcal{O}(1; \{3^8, 4^{11}, 12\})$	50135040
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{2, 3^5, 4^{13}, 12\})$	25952256
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{24}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{12}, 4, 6, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{15}, 4, 6, 12\})$	12582720
12	$\mathcal{O}(1; \{3^{18}, 4, 6, 12\})$	100663488
12	$\mathcal{O}(1; \{2^{21}, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^9, 4^3, 6, 12\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^3, 6, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{15}, 4^3, 6, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{18}, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^5, 6, 12\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^9, 4^5, 6, 12\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^5, 6, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{15}, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^7, 6, 12\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^6, 4^7, 6, 12\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^9, 4^7, 6, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{12}, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^3, 4^9, 6, 12\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^6, 4^9, 6, 12\})$	6340608
12	$\mathcal{O}(1; \{3^9, 4^9, 6, 12\})$	50282496

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{11}, 6, 12\})$	2949120
12	$\mathcal{O}(1; \{2, 3^6, 4^{11}, 6, 12\})$	25362432
12	$\mathcal{O}(1; \{2^6, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{13}, 6, 12\})$	11796480
12	$\mathcal{O}(1; \{2^3, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{4^{17}, 6, 12\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4, 6^2, 12\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4, 6^2, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{16}, 4, 6^2, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^3, 6^2, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^3, 6^2, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^3, 6^2, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^5, 6^2, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^7, 4^5, 6^2, 12\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^5, 6^2, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3, 4^7, 6^2, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^4, 4^7, 6^2, 12\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^7, 4^7, 6^2, 12\})$	6303744
12	$\mathcal{O}(1; \{3^{10}, 4^7, 6^2, 12\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3, 4^9, 6^2, 12\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^4, 4^9, 6^2, 12\})$	3096576
12	$\mathcal{O}(1; \{2, 3^7, 4^9, 6^2, 12\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3, 4^{11}, 6^2, 12\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{11}, 6^2, 12\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3, 4^{13}, 6^2, 12\})$	7077888
12	$\mathcal{O}(1; \{3, 4^{15}, 6^2, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4, 6^3, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4, 6^3, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4, 6^3, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^3, 6^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^8, 4^3, 6^3, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^3, 6^3, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^5, 6^3, 12\})$	101376

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^5, 4^5, 6^3, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^8, 4^5, 6^3, 12\})$	6294528
12	$\mathcal{O}(1; \{3^{11}, 4^5, 6^3, 12\})$	50328576
12	$\mathcal{O}(1; \{2^9, 3^2, 4^7, 6^3, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^5, 4^7, 6^3, 12\})$	3133440
12	$\mathcal{O}(1; \{2, 3^8, 4^7, 6^3, 12\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3^2, 4^9, 6^3, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^5, 4^9, 6^3, 12\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{11}, 6^3, 12\})$	6488064
12	$\mathcal{O}(1; \{3^2, 4^{13}, 6^3, 12\})$	25952256
12	$\mathcal{O}(1; \{2^{19}, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4, 6^4, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^9, 4, 6^4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4, 6^4, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^6, 4^3, 6^4, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^9, 4^3, 6^4, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{12}, 4^3, 6^4, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^3, 4^5, 6^4, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^6, 4^5, 6^4, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^9, 4^5, 6^4, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 4^7, 6^4, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^3, 4^7, 6^4, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^6, 4^7, 6^4, 12\})$	12570624
12	$\mathcal{O}(1; \{2^7, 4^9, 6^4, 12\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^3, 4^9, 6^4, 12\})$	6340608
12	$\mathcal{O}(1; \{2^4, 4^{11}, 6^4, 12\})$	2949120
12	$\mathcal{O}(1; \{3^3, 4^{11}, 6^4, 12\})$	25362432
12	$\mathcal{O}(1; \{2, 4^{13}, 6^4, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 6^5, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 6^5, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 6^5, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{13}, 4, 6^5, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 6^5, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 6^5, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 6^5, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 6^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 6^5, 12\})$	1575936

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 6^5, 12\})$	12579840
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 6^5, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 6^5, 12\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 6^5, 12\})$	3096576
12	$\mathcal{O}(1; \{3^4, 4^9, 6^5, 12\})$	25214976
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 6^5, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6^6, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6^6, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6^6, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6^6, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6^6, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6^6, 12\})$	12582144
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6^6, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6^6, 12\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6^6, 12\})$	3133440
12	$\mathcal{O}(1; \{3^5, 4^7, 6^6, 12\})$	25178112
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6^6, 12\})$	12533760
12	$\mathcal{O}(1; \{2^{14}, 4, 6^7, 12\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^7, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^7, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^7, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^7, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^7, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^7, 12\})$	6292224
12	$\mathcal{O}(1; \{2^8, 4^5, 6^7, 12\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^7, 12\})$	3142656
12	$\mathcal{O}(1; \{3^6, 4^5, 6^7, 12\})$	25168896
12	$\mathcal{O}(1; \{2^5, 4^7, 6^7, 12\})$	1585152
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^7, 12\})$	12570624
12	$\mathcal{O}(1; \{2^2, 4^9, 6^7, 12\})$	6340608
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^8, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^8, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^8, 12\})$	6291648
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^8, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^8, 12\})$	3144960
12	$\mathcal{O}(1; \{3^7, 4^3, 6^8, 12\})$	25166592
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^8, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^8, 12\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^8, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^9, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^9, 12\})$	3145536
12	$\mathcal{O}(1; \{3^8, 4, 6^9, 12\})$	25166016

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^9, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^9, 12\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^9, 12\})$	6294528
12	$\mathcal{O}(1; \{2^9, 4, 6^{10}, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^{10}, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^{10}, 12\})$	12582720
12	$\mathcal{O}(1; \{2^6, 4^3, 6^{10}, 12\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^{10}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^3, 4^5, 6^{10}, 12\})$	3142656
12	$\mathcal{O}(1; \{4^7, 6^{10}, 12\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^{11}, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^{11}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^{11}, 12\})$	3144960
12	$\mathcal{O}(1; \{3, 4^5, 6^{11}, 12\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^{12}, 12\})$	3145536
12	$\mathcal{O}(1; \{3^2, 4^3, 6^{12}, 12\})$	12582144
12	$\mathcal{O}(1; \{2^4, 4, 6^{13}, 12\})$	1573056
12	$\mathcal{O}(1; \{3^3, 4, 6^{13}, 12\})$	12582720
12	$\mathcal{O}(1; \{2, 4^3, 6^{13}, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3, 4, 6^{14}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{24}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{16}, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{12}, 3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^8, 3^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^{16}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{3^{19}, 12^2\})$	201326400
12	$\mathcal{O}(1; \{2^{21}, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{16}, 4^2, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{18}, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^4, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{15}, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^7, 4^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{12}, 3, 4^8, 12^2\})$	147456

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^4, 4^8, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^7, 4^8, 12^2\})$	12533760
12	$\mathcal{O}(1; \{3^{10}, 4^8, 12^2\})$	100712448
12	$\mathcal{O}(1; \{2^9, 3, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^4, 4^{10}, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2, 3^7, 4^{10}, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^6, 3, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{12}, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^3, 3, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{3, 4^{16}, 12^2\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{17}, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{13}, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^{11}, 6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^5, 3^{14}, 6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3^{17}, 6, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^2, 6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^2, 6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^2, 6, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^4, 6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^8, 4^4, 6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^4, 6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^5, 4^6, 6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^8, 4^6, 6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{3^{11}, 4^6, 6, 12^2\})$	100675584
12	$\mathcal{O}(1; \{2^9, 3^2, 4^8, 6, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^5, 4^8, 6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2, 3^8, 4^8, 6, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{10}, 6, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{10}, 6, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{12}, 6, 12^2\})$	11796480
12	$\mathcal{O}(1; \{3^2, 4^{14}, 6, 12^2\})$	47185920
12	$\mathcal{O}(1; \{2^{22}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{18}, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^6, 6^2, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^9, 6^2, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{12}, 6^2, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{15}, 6^2, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{19}, 4^2, 6^2, 12^2\})$	6912

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^2, 6^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^2, 6^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^9, 4^2, 6^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^2, 6^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^6, 4^4, 6^2, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^9, 4^4, 6^2, 12^2\})$	12579840
12	$\mathcal{O}(1; \{3^{12}, 4^4, 6^2, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^3, 4^6, 6^2, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^6, 4^6, 6^2, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2, 3^9, 4^6, 6^2, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 4^8, 6^2, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^3, 4^8, 6^2, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^6, 4^8, 6^2, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^7, 4^{10}, 6^2, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{10}, 6^2, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^4, 4^{12}, 6^2, 12^2\})$	7077888
12	$\mathcal{O}(1; \{3^3, 4^{12}, 6^2, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2, 4^{14}, 6^2, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{19}, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^7, 6^3, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{10}, 6^3, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{13}, 6^3, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 6^3, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 6^3, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{13}, 4^2, 6^3, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 6^3, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 6^3, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 6^3, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 6^3, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 6^3, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 6^3, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 6^3, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 6^3, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 6^3, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^4, 4^{10}, 6^3, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 6^3, 12^2\})$	25952256

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{16}, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^8, 6^4, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{11}, 6^4, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{14}, 6^4, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6^4, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6^4, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6^4, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6^4, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6^4, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6^4, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6^4, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6^4, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^5, 4^8, 6^4, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6^4, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^{17}, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^6, 6^5, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^9, 6^5, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{12}, 6^5, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^5, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^5, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^5, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^5, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^5, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^5, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^8, 4^6, 6^5, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^5, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^6, 4^6, 6^5, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^5, 4^8, 6^5, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^5, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^5, 12^2\})$	12386304
12	$\mathcal{O}(1; \{2^{14}, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^7, 6^6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^6, 12^2\})$	783360

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^7, 4^4, 6^6, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^7, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^5, 6^7, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^8, 6^7, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^7, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^7, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^8, 4^2, 6^7, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^7, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^7, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^7, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^{12}, 6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^3, 6^8, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^6, 6^8, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^9, 6^8, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^9, 4^2, 6^8, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^8, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^8, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^6, 4^4, 6^8, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^8, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^3, 4^6, 6^8, 12^2\})$	6303744
12	$\mathcal{O}(1; \{4^8, 6^8, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^9, 3, 6^9, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^4, 6^9, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^7, 6^9, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^9, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^9, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^9, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3, 4^6, 6^9, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3^2, 6^{10}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^5, 6^{10}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^{10}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^2, 4^4, 6^{10}, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^7, 6^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^3, 6^{11}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^4, 4^2, 6^{11}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{3^3, 4^2, 6^{11}, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2, 4^4, 6^{11}, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3, 6^{12}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^4, 6^{12}, 12^2\})$	25166016

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^{12}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3^2, 6^{13}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^2, 6^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^{22}, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{19}, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^9, 4^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{16}, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^6, 4^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^9, 4^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{3^{12}, 4^5, 12^3\})$	201314304
12	$\mathcal{O}(1; \{2^{13}, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^3, 4^7, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^6, 4^7, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2, 3^9, 4^7, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^{10}, 4^9, 12^3\})$	589824
12	$\mathcal{O}(1; \{2^6, 3^3, 4^9, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^6, 4^9, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^7, 4^{11}, 12^3\})$	2359296
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{11}, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^4, 4^{13}, 12^3\})$	9437184
12	$\mathcal{O}(1; \{3^3, 4^{13}, 12^3\})$	103809024
12	$\mathcal{O}(1; \{2, 4^{15}, 12^3\})$	37748736
12	$\mathcal{O}(1; \{2^{19}, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4, 6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4, 6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4, 6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{16}, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^7, 4^3, 6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^3, 6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3^{13}, 4^3, 6, 12^3\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^4, 4^5, 6, 12^3\})$	1585152

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^7, 4^5, 6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2, 3^{10}, 4^5, 6, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 3, 4^7, 6, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^4, 4^7, 6, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^7, 4^7, 6, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^7, 3, 4^9, 6, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^4, 4^9, 6, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^4, 3, 4^{11}, 6, 12^3\})$	11796480
12	$\mathcal{O}(1; \{3^4, 4^{11}, 6, 12^3\})$	101449728
12	$\mathcal{O}(1; \{2, 3, 4^{13}, 6, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^8, 4, 6^2, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4, 6^2, 12^3\})$	25166592
12	$\mathcal{O}(1; \{3^{14}, 4, 6^2, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^3, 6^2, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^5, 4^3, 6^2, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^8, 4^3, 6^2, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{11}, 4^3, 6^2, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^5, 6^2, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^5, 4^5, 6^2, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^8, 4^5, 6^2, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^7, 3^2, 4^7, 6^2, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^5, 4^7, 6^2, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^2, 4^9, 6^2, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^5, 4^9, 6^2, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2, 3^2, 4^{11}, 6^2, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{17}, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 6^3, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 6^3, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 6^3, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 6^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 6^3, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 6^3, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 4^5, 6^3, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 6^3, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 6^3, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^8, 4^7, 6^3, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 6^3, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^6, 4^7, 6^3, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^5, 4^9, 6^3, 12^3\})$	6488064

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 6^3, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^2, 4^{11}, 6^3, 12^3\})$	25952256
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6^4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6^4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6^4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6^4, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6^4, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6^4, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6^4, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6^4, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^7, 4^5, 6^4, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6^4, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6^4, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6^4, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^5, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^5, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^5, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^5, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^5, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^8, 4^3, 6^5, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^5, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^5, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^{12}, 4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^9, 4, 6^6, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^9, 4^3, 6^6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^6, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^6, 4^5, 6^6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^3, 4^7, 6^6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{4^9, 6^6, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^7, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^7, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^7, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^7, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^7, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^7, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3, 4^7, 6^7, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^8, 12^3\})$	3144960

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^8, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^8, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^2, 4^5, 6^8, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^7, 4, 6^9, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^9, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^4, 4^3, 6^9, 12^3\})$	6294528
12	$\mathcal{O}(1; \{3^3, 4^3, 6^9, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2, 4^5, 6^9, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^{10}, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^4, 4, 6^{10}, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^{10}, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^{11}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^2, 4, 6^{12}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^{19}, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{15}, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{11}, 3^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^7, 3^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3^{14}, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^8, 4^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{3^{14}, 4^2, 12^4\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^5, 4^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^8, 4^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2, 3^{11}, 4^4, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^5, 4^6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^8, 4^6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^7, 3^2, 4^8, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^5, 4^8, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{10}, 12^4\})$	25952256
12	$\mathcal{O}(1; \{3^5, 4^{10}, 12^4\})$	200540160
12	$\mathcal{O}(1; \{2, 3^2, 4^{12}, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{20}, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{16}, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{12}, 3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 3^9, 6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^{12}, 6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{3^{15}, 6, 12^4\})$	402653952
12	$\mathcal{O}(1; \{2^{17}, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^2, 6, 12^4\})$	396288

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^6, 4^2, 6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^9, 4^2, 6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{12}, 4^2, 6, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{14}, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^4, 6, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^6, 4^4, 6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^9, 4^4, 6, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^{11}, 4^6, 6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^7, 3^3, 4^6, 6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^6, 4^6, 6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^8, 4^8, 6, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3^3, 4^8, 6, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3^6, 4^8, 6, 12^4\})$	201129984
12	$\mathcal{O}(1; \{2^5, 4^{10}, 6, 12^4\})$	11796480
12	$\mathcal{O}(1; \{2, 3^3, 4^{10}, 6, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^2, 4^{12}, 6, 12^4\})$	47185920
12	$\mathcal{O}(1; \{2^{17}, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^7, 6^2, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^{10}, 6^2, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{13}, 6^2, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 6^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 6^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 6^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 6^2, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 6^2, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 6^2, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 6^2, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 6^2, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^7, 4^6, 6^2, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 6^2, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 6^2, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 6^2, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6^3, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^8, 6^3, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6^3, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6^3, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6^3, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6^3, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6^3, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6^3, 12^4\})$	25178112

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^8, 4^4, 6^3, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6^3, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6^3, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6^3, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{15}, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^4, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^6, 6^4, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^9, 6^4, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^4, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^4, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^9, 4^2, 6^4, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^9, 4^4, 6^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^6, 4^6, 6^4, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^4, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^3, 4^8, 6^4, 12^4\})$	25362432
12	$\mathcal{O}(1; \{4^{10}, 6^4, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^{12}, 3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^4, 6^5, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^7, 6^5, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^{10}, 6^5, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^5, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^5, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^5, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^5, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^5, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^5, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3, 4^8, 6^5, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^9, 3^2, 6^6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^5, 6^6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^8, 6^6, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^6, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^6, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^6, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^2, 4^6, 6^6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^{10}, 6^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^3, 6^7, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^6, 6^7, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^7, 4^2, 6^7, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^7, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^4, 4^4, 6^7, 12^4\})$	12570624

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^3, 4^4, 6^7, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2, 4^6, 6^7, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^7, 3, 6^8, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^4, 6^8, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^8, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^4, 4^2, 6^8, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^8, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^2, 6^9, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^5, 6^9, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^9, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^5, 6^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^3, 6^{10}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^2, 4^2, 6^{10}, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3, 6^{11}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{6^{13}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^7, 4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{13}, 4, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^{14}, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^7, 4^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^3, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^{11}, 3, 4^5, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^7, 3^4, 4^5, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^7, 4^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^8, 3, 4^7, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3^4, 4^7, 12^5\})$	50135040
12	$\mathcal{O}(1; \{3^7, 4^7, 12^5\})$	402849792
12	$\mathcal{O}(1; \{2^5, 3, 4^9, 12^5\})$	25952256
12	$\mathcal{O}(1; \{2, 3^4, 4^9, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^2, 3, 4^{11}, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4, 6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^8, 4, 6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4, 6, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^3, 6, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^5, 4^3, 6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^8, 4^3, 6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^8, 3^2, 4^5, 6, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^5, 4^5, 6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3^8, 4^5, 6, 12^5\})$	402702336

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^2, 4^7, 6, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2, 3^5, 4^7, 6, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^2, 4^9, 6, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{15}, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 6^2, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 6^2, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 6^2, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 6^2, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 6^2, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^9, 4^3, 6^2, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^9, 4^5, 6^2, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 6^2, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 6^2, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^6, 4^7, 6^2, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 6^2, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^3, 4^9, 6^2, 12^5\})$	49545216
12	$\mathcal{O}(1; \{4^{11}, 6^2, 12^5\})$	198180864
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6^3, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6^3, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6^3, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^{10}, 4, 6^3, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6^3, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6^3, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6^3, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6^3, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6^3, 12^5\})$	50135040
12	$\mathcal{O}(1; \{3, 4^9, 6^3, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^4, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^4, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^4, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3^2, 4^7, 6^4, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^{10}, 4, 6^5, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^5, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^5, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^7, 4^3, 6^5, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^5, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^4, 4^5, 6^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{3^3, 4^5, 6^5, 12^5\})$	201277440

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 4^7, 6^5, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^6, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^4, 4^3, 6^6, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^6, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^7, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^5, 4, 6^7, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^7, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^5, 4, 6^8, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^8, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^2, 4^3, 6^8, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^9, 12^5\})$	50328576
12	$\mathcal{O}(1; \{4, 6^{11}, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{18}, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^{14}, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^{10}, 3^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^{12}, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{15}, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^{12}, 4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{3^9, 4^4, 12^6\})$	805257216
12	$\mathcal{O}(1; \{2^9, 4^6, 12^6\})$	6488064
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^6, 4^8, 12^6\})$	25952256
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^3, 4^{10}, 12^6\})$	103809024
12	$\mathcal{O}(1; \{4^{12}, 12^6\})$	415236096
12	$\mathcal{O}(1; \{2^{15}, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^7, 6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6, 12^6\})$	805294080
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6, 12^6\})$	6340608

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6, 12^6\})$	101449728
12	$\mathcal{O}(1; \{3, 4^{10}, 6, 12^6\})$	405798912
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^5, 6^2, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^8, 6^2, 12^6\})$	100666368
12	$\mathcal{O}(1; \{3^{11}, 6^2, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^2, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^2, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^2, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^2, 12^6\})$	100859904
12	$\mathcal{O}(1; \{3^2, 4^8, 6^2, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2^{13}, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^3, 6^3, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^6, 6^3, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^9, 6^3, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^3, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^3, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^3, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^7, 4^4, 6^3, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^3, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^4, 4^6, 6^3, 12^6\})$	50135040
12	$\mathcal{O}(1; \{3^3, 4^6, 6^3, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2, 4^8, 6^3, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{10}, 3, 6^4, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^4, 6^4, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^7, 6^4, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^4, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^4, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^4, 4^4, 6^4, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^4, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^7, 3^2, 6^5, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^5, 6^5, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^5, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^5, 4^2, 6^5, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^5, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^8, 6^6, 12^6\})$	6294528

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^3, 6^6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^6, 6^6, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^5, 4^2, 6^6, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^6, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^2, 4^4, 6^6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3, 6^7, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^4, 6^7, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^7, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^2, 6^8, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^3, 6^9, 12^6\})$	50328576
12	$\mathcal{O}(1; \{4^2, 6^9, 12^6\})$	201314304
12	$\mathcal{O}(1; \{3, 6^{10}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{3^{11}, 4, 12^7\})$	1610625024
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 12^7\})$	200540160
12	$\mathcal{O}(1; \{3^2, 4^9, 12^7\})$	802160640
12	$\mathcal{O}(1; \{2^{13}, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2, 3^9, 4, 6, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^7, 4^5, 6, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^4, 4^7, 6, 12^7\})$	101449728
12	$\mathcal{O}(1; \{3^3, 4^7, 6, 12^7\})$	804519936
12	$\mathcal{O}(1; \{2, 4^9, 6, 12^7\})$	405798912
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^2, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^2, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^2, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^2, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^2, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^2, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3^4, 4^5, 6^2, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^2, 12^7\})$	403439616

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^3, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^3, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^3, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^5, 4^3, 6^3, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^3, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^8, 4, 6^4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^6, 4, 6^4, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^5, 4^3, 6^4, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^4, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^2, 4^5, 6^4, 12^7\})$	201129984
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^5, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^5, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^5, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^3, 4, 6^7, 12^7\})$	100675584
12	$\mathcal{O}(1; \{4^3, 6^7, 12^7\})$	402702336
12	$\mathcal{O}(1; \{3, 4, 6^8, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^{13}, 3, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^9, 3^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2, 3^{10}, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{3^4, 4^6, 12^8\})$	1611399168
12	$\mathcal{O}(1; \{2, 3, 4^8, 12^8\})$	802160640
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^5, 6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^8, 6, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3^5, 4^4, 6, 12^8\})$	1610809344
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^{11}, 6^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^3, 6^2, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^6, 6^2, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^8, 4^2, 6^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^2, 12^8\})$	201277440

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^6, 4^2, 6^2, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 4^4, 6^2, 12^8\})$	100859904
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^2, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^2, 4^6, 6^2, 12^8\})$	403439616
12	$\mathcal{O}(1; \{2^8, 3, 6^3, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^4, 6^3, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^7, 6^3, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^3, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^3, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^3, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^5, 3^2, 6^4, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^5, 6^4, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^4, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^6, 6^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^3, 6^5, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^3, 4^2, 6^5, 12^8\})$	201277440
12	$\mathcal{O}(1; \{4^4, 6^5, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^3, 3, 6^6, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3, 4^2, 6^6, 12^8\})$	805257216
12	$\mathcal{O}(1; \{3^2, 6^7, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2, 6^8, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^{11}, 4, 12^9\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^8, 4^3, 12^9\})$	50135040
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{3^6, 4^3, 12^9\})$	3221028864
12	$\mathcal{O}(1; \{2^5, 4^5, 12^9\})$	200540160
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2^2, 4^7, 12^9\})$	802160640
12	$\mathcal{O}(1; \{2^8, 3, 4, 6, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3^7, 4, 6, 12^9\})$	3221176320
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6, 12^9\})$	201129984
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^2, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^2, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^2, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^6, 4, 6^3, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^3, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^3, 4^3, 6^3, 12^9\})$	402849792
12	$\mathcal{O}(1; \{4^5, 6^3, 12^9\})$	1611399168

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3, 4^3, 6^4, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{3^2, 4, 6^5, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2, 4, 6^6, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^8, 3^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{3^8, 12^{10}\})$	6442500096
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^9, 6, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^3, 6, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2, 3^6, 6, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^6, 4^2, 6, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 4^4, 6, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{4^6, 6, 12^{10}\})$	3218079744
12	$\mathcal{O}(1; \{2^6, 3, 6^2, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{3, 4^4, 6^2, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2^4, 6^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{3^3, 6^4, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2, 4^2, 6^4, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2, 3, 6^5, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 3, 4, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{3, 4^5, 12^{11}\})$	6445596672
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{3^2, 4^3, 6, 12^{11}\})$	6443237376
12	$\mathcal{O}(1; \{2^4, 4, 6^2, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{3^3, 4, 6^2, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2, 4^3, 6^2, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2, 3, 4, 6^3, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^7, 12^{12}\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2^4, 4^2, 12^{12}\})$	1611399168
12	$\mathcal{O}(1; \{3^3, 4^2, 12^{12}\})$	12884115456
12	$\mathcal{O}(1; \{2, 4^4, 12^{12}\})$	6445596672
12	$\mathcal{O}(1; \{2^4, 3, 6, 12^{12}\})$	1610809344

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 6, 12^{12}\})$	12884705280
12	$\mathcal{O}(1; \{2, 3, 4^2, 6, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{2, 3^2, 6^2, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 6^3, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{2, 3^2, 4, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{2^2, 4, 6, 12^{13}\})$	6443237376
12	$\mathcal{O}(1; \{2^2, 3, 12^{14}\})$	12884115456
12	$\mathcal{O}(1; \{6^2, 12^{14}\})$	25770590208
12	$\mathcal{O}(1; \{4, 12^{15}\})$	51536461824
12	$\mathcal{O}(0; \{2^{26}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{15}, 4^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{18}, 4^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{21}, 4^2\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4^4\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4^4\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^6\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^6\})$	349504
12	$\mathcal{O}(0; \{3^{18}, 4^6\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^9, 4^8\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^8\})$	174848
12	$\mathcal{O}(0; \{2, 3^{15}, 4^8\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^{10}\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^9, 4^{10}\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^{10}\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^6, 4^{12}\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^9, 4^{12}\})$	348160
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{14}\})$	180224
12	$\mathcal{O}(0; \{3^9, 4^{14}\})$	1392640

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{2, 3^6, 4^{16}\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{2^{27}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 4^2, 6\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{16}, 4^2, 6\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{19}, 4^2, 6\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^4, 6\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^4, 6\})$	349520
12	$\mathcal{O}(0; \{3^{19}, 4^4, 6\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^6, 6\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^6, 6\})$	174784
12	$\mathcal{O}(0; \{2, 3^{16}, 4^6, 6\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^8, 6\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^8, 6\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^8, 6\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^{10}, 6\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^7, 4^{10}, 6\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^{10}, 6\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{12}, 6\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{12}, 6\})$	176128
12	$\mathcal{O}(0; \{3^{10}, 4^{12}, 6\})$	1396736
12	$\mathcal{O}(0; \{2^9, 3, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{14}, 6\})$	81920
12	$\mathcal{O}(0; \{2, 3^7, 4^{14}, 6\})$	704512
12	$\mathcal{O}(0; \{2^6, 3, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{16}, 6\})$	327680
12	$\mathcal{O}(0; \{2^3, 3, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{3, 4^{20}, 6\})$	1048576

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4^2, 6^2\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4^2, 6^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4^2, 6^2\})$	349524
12	$\mathcal{O}(0; \{3^{20}, 4^2, 6^2\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^4, 6^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^4, 6^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^{17}, 4^4, 6^2\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^6, 6^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^6, 6^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^6, 6^2\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^8, 6^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^8, 4^8, 6^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^8, 6^2\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^5, 4^{10}, 6^2\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^8, 4^{10}, 6^2\})$	175104
12	$\mathcal{O}(0; \{3^{11}, 4^{10}, 6^2\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{12}, 6^2\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{12}, 6^2\})$	86016
12	$\mathcal{O}(0; \{2, 3^8, 4^{12}, 6^2\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{14}, 6^2\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{14}, 6^2\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{16}, 6^2\})$	196608
12	$\mathcal{O}(0; \{3^2, 4^{18}, 6^2\})$	786432
12	$\mathcal{O}(0; \{2^{25}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^2, 6^3\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^2, 6^3\})$	174764
12	$\mathcal{O}(0; \{2, 3^{18}, 4^2, 6^3\})$	1398100
12	$\mathcal{O}(0; \{2^{22}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^4, 6^3\})$	1360

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^4, 6^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^4, 6^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^4, 6^3\})$	699056
12	$\mathcal{O}(0; \{2^{19}, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^6, 6^3\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^9, 4^6, 6^3\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^6, 6^3\})$	349504
12	$\mathcal{O}(0; \{2^{16}, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^6, 4^8, 6^3\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^9, 4^8, 6^3\})$	174848
12	$\mathcal{O}(0; \{3^{12}, 4^8, 6^3\})$	1398016
12	$\mathcal{O}(0; \{2^{13}, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{10}, 6^3\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{10}, 6^3\})$	87040
12	$\mathcal{O}(0; \{2, 3^9, 4^{10}, 6^3\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 4^{12}, 6^3\})$	4096
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{12}, 6^3\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{12}, 6^3\})$	348160
12	$\mathcal{O}(0; \{2^7, 4^{14}, 6^3\})$	16384
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{14}, 6^3\})$	180224
12	$\mathcal{O}(0; \{2^4, 4^{16}, 6^3\})$	65536
12	$\mathcal{O}(0; \{3^3, 4^{16}, 6^3\})$	720896
12	$\mathcal{O}(0; \{2, 4^{18}, 6^3\})$	262144
12	$\mathcal{O}(0; \{2^{22}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^2, 6^4\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^2, 6^4\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^2, 6^4\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^4, 6^4\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^4, 6^4\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^4, 6^4\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^7, 4^6, 6^4\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^6, 6^4\})$	174784
12	$\mathcal{O}(0; \{3^{13}, 4^6, 6^4\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^4, 4^8, 6^4\})$	11008

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^7, 4^8, 6^4\})$	87296
12	$\mathcal{O}(0; \{2, 3^{10}, 4^8, 6^4\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{10}, 6^4\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{10}, 6^4\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{10}, 6^4\})$	349184
12	$\mathcal{O}(0; \{2^7, 3, 4^{12}, 6^4\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{12}, 6^4\})$	176128
12	$\mathcal{O}(0; \{2^4, 3, 4^{14}, 6^4\})$	81920
12	$\mathcal{O}(0; \{3^4, 4^{14}, 6^4\})$	704512
12	$\mathcal{O}(0; \{2, 3, 4^{16}, 6^4\})$	327680
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 6^5\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 6^5\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 6^5\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 6^5\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 6^5\})$	174768
12	$\mathcal{O}(0; \{3^{14}, 4^4, 6^5\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 6^5\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 6^5\})$	87360
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 6^5\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 6^5\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 6^5\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 6^5\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 6^5\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 6^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 6^5\})$	86016
12	$\mathcal{O}(0; \{3^5, 4^{12}, 6^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 6^5\})$	344064
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6^6\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6^6\})$	174764
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6^6\})$	1398100
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6^6\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6^6\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6^6\})$	87376
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6^6\})$	699056

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6^6\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6^6\})$	349504
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6^6\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6^6\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6^6\})$	174848
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6^6\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6^6\})$	87040
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6^6\})$	699392
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6^6\})$	45056
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6^6\})$	348160
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6^6\})$	180224
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^7\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^7\})$	87380
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^7\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^7\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^7\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^7\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^7\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^7\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^7\})$	174784
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^7\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^7\})$	87296
12	$\mathcal{O}(0; \{3^7, 4^8, 6^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^7\})$	44032
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^7\})$	349184
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^7\})$	176128
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^8\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^8\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^8\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^8\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^8\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^8\})$	174768
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^8\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^8\})$	87360
12	$\mathcal{O}(0; \{3^8, 4^6, 6^8\})$	699072
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^8\})$	43776
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^8\})$	349440

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^8\})$	175104
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^9\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^9\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^9\})$	174764
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^9\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^9\})$	87376
12	$\mathcal{O}(0; \{3^9, 4^4, 6^9\})$	699056
12	$\mathcal{O}(0; \{2^9, 4^6, 6^9\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^9\})$	43712
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^9\})$	349504
12	$\mathcal{O}(0; \{2^6, 4^8, 6^9\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^9\})$	174848
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^9\})$	87040
12	$\mathcal{O}(0; \{4^{12}, 6^9\})$	348160
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^{10}\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^{10}\})$	87380
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^{10}\})$	699052
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^{10}\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^{10}\})$	43696
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^{10}\})$	349520
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^{10}\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^{10}\})$	174784
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^{10}\})$	87296
12	$\mathcal{O}(0; \{3, 4^{10}, 6^{10}\})$	349184
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^{11}\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^{11}\})$	43692
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^{11}\})$	349524
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^{11}\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^{11}\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^{11}\})$	87360
12	$\mathcal{O}(0; \{3^2, 4^8, 6^{11}\})$	349440
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^{12}\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^{12}\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^{12}\})$	174764
12	$\mathcal{O}(0; \{2^7, 4^4, 6^{12}\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^{12}\})$	87376
12	$\mathcal{O}(0; \{2^4, 4^6, 6^{12}\})$	43712
12	$\mathcal{O}(0; \{3^3, 4^6, 6^{12}\})$	349504
12	$\mathcal{O}(0; \{2, 4^8, 6^{12}\})$	174848
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^{13}\})$	10924

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^{13}\})$	87380
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^{13}\})$	43696
12	$\mathcal{O}(0; \{3^4, 4^4, 6^{13}\})$	349520
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^{13}\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^{14}\})$	43692
12	$\mathcal{O}(0; \{3^5, 4^2, 6^{14}\})$	349524
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^{14}\})$	174768
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{15}\})$	21844
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{15}\})$	174764
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{15}\})$	87376
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{16}\})$	87380
12	$\mathcal{O}(0; \{4^2, 6^{18}\})$	174764
12	$\mathcal{O}(0; \{2^{27}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{14}, 4, 12\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{17}, 4, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{20}, 4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4^3, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4^3, 12\})$	699056
12	$\mathcal{O}(0; \{3^{20}, 4^3, 12\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^5, 12\})$	349504
12	$\mathcal{O}(0; \{2, 3^{17}, 4^5, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^7, 12\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^7, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^9, 12\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^8, 4^9, 12\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^9, 12\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^5, 4^{11}, 12\})$	45056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^8, 4^{11}, 12\})$	348160
12	$\mathcal{O}(0; \{3^{11}, 4^{11}, 12\})$	2797568
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{13}, 12\})$	180224
12	$\mathcal{O}(0; \{2, 3^8, 4^{13}, 12\})$	1392640
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{15}, 12\})$	720896
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{3^2, 4^{19}, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{28}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{15}, 4, 6, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{18}, 4, 6, 12\})$	699052
12	$\mathcal{O}(0; \{3^{21}, 4, 6, 12\})$	5592404
12	$\mathcal{O}(0; \{2^{25}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^3, 6, 12\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^3, 6, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3^{18}, 4^3, 6, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{22}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^5, 6, 12\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^5, 6, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^5, 6, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^7, 6, 12\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^7, 6, 12\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^9, 4^7, 6, 12\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^7, 6, 12\})$	699136
12	$\mathcal{O}(0; \{2^{16}, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^6, 4^9, 6, 12\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^9, 4^9, 6, 12\})$	349184
12	$\mathcal{O}(0; \{3^{12}, 4^9, 6, 12\})$	2796544
12	$\mathcal{O}(0; \{2^{13}, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{11}, 6, 12\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{11}, 6, 12\})$	176128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^9, 4^{11}, 6, 12\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{13}, 6, 12\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{13}, 6, 12\})$	704512
12	$\mathcal{O}(0; \{2^7, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{15}, 6, 12\})$	327680
12	$\mathcal{O}(0; \{2^4, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{3^3, 4^{17}, 6, 12\})$	1310720
12	$\mathcal{O}(0; \{2, 4^{19}, 6, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4, 6^2, 12\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4, 6^2, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^{19}, 4, 6^2, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^3, 6^2, 12\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^3, 6^2, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^3, 6^2, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^5, 6^2, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^5, 6^2, 12\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^5, 6^2, 12\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^7, 4^7, 6^2, 12\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^7, 6^2, 12\})$	349440
12	$\mathcal{O}(0; \{3^{13}, 4^7, 6^2, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^4, 4^9, 6^2, 12\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^7, 4^9, 6^2, 12\})$	175104
12	$\mathcal{O}(0; \{2, 3^{10}, 4^9, 6^2, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{11}, 6^2, 12\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{11}, 6^2, 12\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{11}, 6^2, 12\})$	700416
12	$\mathcal{O}(0; \{2^7, 3, 4^{13}, 6^2, 12\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{13}, 6^2, 12\})$	344064
12	$\mathcal{O}(0; \{2^4, 3, 4^{15}, 6^2, 12\})$	196608
12	$\mathcal{O}(0; \{3^4, 4^{15}, 6^2, 12\})$	1376256

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4^{17}, 6^2, 12\})$	786432
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4, 6^3, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4, 6^3, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4, 6^3, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^3, 6^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^3, 6^3, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^3, 6^3, 12\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^8, 4^5, 6^3, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^5, 6^3, 12\})$	349504
12	$\mathcal{O}(0; \{3^{14}, 4^5, 6^3, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^5, 4^7, 6^3, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^8, 4^7, 6^3, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^{11}, 4^7, 6^3, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^9, 6^3, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^5, 4^9, 6^3, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^8, 4^9, 6^3, 12\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{11}, 6^3, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{11}, 6^3, 12\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{13}, 6^3, 12\})$	180224
12	$\mathcal{O}(0; \{3^5, 4^{13}, 6^3, 12\})$	1392640
12	$\mathcal{O}(0; \{2, 3^2, 4^{15}, 6^3, 12\})$	720896
12	$\mathcal{O}(0; \{2^{23}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4, 6^4, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4, 6^4, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4, 6^4, 12\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^9, 4^3, 6^4, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^3, 6^4, 12\})$	349520
12	$\mathcal{O}(0; \{3^{15}, 4^3, 6^4, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^5, 6^4, 12\})$	2752

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^6, 4^5, 6^4, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^9, 4^5, 6^4, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{12}, 4^5, 6^4, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^7, 6^4, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^6, 4^7, 6^4, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^9, 4^7, 6^4, 12\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 4^9, 6^4, 12\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^3, 4^9, 6^4, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^6, 4^9, 6^4, 12\})$	349184
12	$\mathcal{O}(0; \{2^8, 4^{11}, 6^4, 12\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{11}, 6^4, 12\})$	176128
12	$\mathcal{O}(0; \{3^6, 4^{11}, 6^4, 12\})$	1396736
12	$\mathcal{O}(0; \{2^5, 4^{13}, 6^4, 12\})$	81920
12	$\mathcal{O}(0; \{2, 3^3, 4^{13}, 6^4, 12\})$	704512
12	$\mathcal{O}(0; \{2^2, 4^{15}, 6^4, 12\})$	327680
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 6^5, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 6^5, 12\})$	349524
12	$\mathcal{O}(0; \{3^{16}, 4, 6^5, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 6^5, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 6^5, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 6^5, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 6^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 6^5, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 6^5, 12\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 6^5, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 6^5, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 6^5, 12\})$	349440
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 6^5, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 6^5, 12\})$	175104
12	$\mathcal{O}(0; \{3^7, 4^9, 6^5, 12\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 6^5, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 6^5, 12\})$	700416
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 6^5, 12\})$	344064
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6^6, 12\})$	21844

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6^6, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6^6, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6^6, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6^6, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6^6, 12\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6^6, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6^6, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6^6, 12\})$	349504
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6^6, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6^6, 12\})$	174848
12	$\mathcal{O}(0; \{3^8, 4^7, 6^6, 12\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6^6, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6^6, 12\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6^6, 12\})$	348160
12	$\mathcal{O}(0; \{2^{18}, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^7, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^7, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^7, 12\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^7, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^7, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^7, 12\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^7, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^7, 12\})$	174784
12	$\mathcal{O}(0; \{3^9, 4^5, 6^7, 12\})$	1398080
12	$\mathcal{O}(0; \{2^9, 4^7, 6^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^7, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^7, 12\})$	699136
12	$\mathcal{O}(0; \{2^6, 4^9, 6^7, 12\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^7, 12\})$	349184
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^7, 12\})$	176128
12	$\mathcal{O}(0; \{4^{13}, 6^7, 12\})$	704512
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^8, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^8, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^8, 12\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^8, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^8, 12\})$	174768
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^8, 12\})$	1398096

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^8, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^8, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^8, 12\})$	699072
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^8, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^8, 12\})$	349440
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^8, 12\})$	175104
12	$\mathcal{O}(0; \{3, 4^{11}, 6^8, 12\})$	700416
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^9, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^9, 12\})$	174764
12	$\mathcal{O}(0; \{3^{11}, 4, 6^9, 12\})$	1398100
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^9, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^9, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^9, 12\})$	699056
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^9, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^9, 12\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^9, 12\})$	174848
12	$\mathcal{O}(0; \{3^2, 4^9, 6^9, 12\})$	699392
12	$\mathcal{O}(0; \{2^{13}, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^{10}, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^{10}, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^{10}, 12\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^{10}, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^{10}, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^{10}, 12\})$	349520
12	$\mathcal{O}(0; \{2^7, 4^5, 6^{10}, 12\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^{10}, 12\})$	174784
12	$\mathcal{O}(0; \{2^4, 4^7, 6^{10}, 12\})$	87296
12	$\mathcal{O}(0; \{3^3, 4^7, 6^{10}, 12\})$	699136
12	$\mathcal{O}(0; \{2, 4^9, 6^{10}, 12\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^{11}, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^{11}, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^{11}, 12\})$	349524
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^{11}, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^{11}, 12\})$	174768
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^{11}, 12\})$	87360
12	$\mathcal{O}(0; \{3^4, 4^5, 6^{11}, 12\})$	699072
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^{11}, 12\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^{12}, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^{12}, 12\})$	174764
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^{12}, 12\})$	87376
12	$\mathcal{O}(0; \{3^5, 4^3, 6^{12}, 12\})$	699056
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^{12}, 12\})$	349504

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4, 6^{13}, 12\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^{13}, 12\})$	87380
12	$\mathcal{O}(0; \{3^6, 4, 6^{13}, 12\})$	699052
12	$\mathcal{O}(0; \{2^5, 4^3, 6^{13}, 12\})$	43696
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^{13}, 12\})$	349520
12	$\mathcal{O}(0; \{2^2, 4^5, 6^{13}, 12\})$	174784
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^{14}, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^{14}, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^{14}, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{15}, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 4, 6^{16}, 12\})$	87380
12	$\mathcal{O}(0; \{4^3, 6^{16}, 12\})$	349520
12	$\mathcal{O}(0; \{3, 4, 6^{17}, 12\})$	349524
12	$\mathcal{O}(0; \{2^{28}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{20}, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{16}, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^8, 3^{16}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 3^{19}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{3^{22}, 12^2\})$	11184812
12	$\mathcal{O}(0; \{2^{25}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 3^{19}, 4^2, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{22}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^4, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{19}, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{16}, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^7, 4^8, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^8, 12^2\})$	699392

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{13}, 4^8, 12^2\})$	5592064
12	$\mathcal{O}(0; \{2^{13}, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^4, 4^{10}, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^7, 4^{10}, 12^2\})$	348160
12	$\mathcal{O}(0; \{2, 3^{10}, 4^{10}, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{12}, 12^2\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{12}, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^7, 3, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{14}, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^4, 3, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{3^4, 4^{16}, 12^2\})$	2883584
12	$\mathcal{O}(0; \{2, 3, 4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{21}, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{17}, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^{14}, 6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^5, 3^{17}, 6, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 3^{20}, 6, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^2, 6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^2, 6, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^2, 6, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^4, 6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^4, 6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^4, 6, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^8, 4^6, 6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^6, 6, 12^2\})$	699136
12	$\mathcal{O}(0; \{3^{14}, 4^6, 6, 12^2\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^5, 4^8, 6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^8, 4^8, 6, 12^2\})$	349184
12	$\mathcal{O}(0; \{2, 3^{11}, 4^8, 6, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{10}, 6, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{10}, 6, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{10}, 6, 12^2\})$	1396736

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{12}, 6, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{12}, 6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{14}, 6, 12^2\})$	327680
12	$\mathcal{O}(0; \{3^5, 4^{14}, 6, 12^2\})$	2818048
12	$\mathcal{O}(0; \{2, 3^2, 4^{16}, 6, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{26}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{22}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6^2, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{15}, 6^2, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{18}, 6^2, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{23}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^2, 6^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^2, 6^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^2, 6^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^9, 4^4, 6^2, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^4, 6^2, 12^2\})$	699072
12	$\mathcal{O}(0; \{3^{15}, 4^4, 6^2, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^6, 4^6, 6^2, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^9, 4^6, 6^2, 12^2\})$	349440
12	$\mathcal{O}(0; \{2, 3^{12}, 4^6, 6^2, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^8, 6^2, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^6, 4^8, 6^2, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^9, 4^8, 6^2, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 4^{10}, 6^2, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{10}, 6^2, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{10}, 6^2, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^8, 4^{12}, 6^2, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{12}, 6^2, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^6, 4^{12}, 6^2, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2^5, 4^{14}, 6^2, 12^2\})$	196608
12	$\mathcal{O}(0; \{2, 3^3, 4^{14}, 6^2, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^2, 4^{16}, 6^2, 12^2\})$	786432
12	$\mathcal{O}(0; \{2^{23}, 3, 6^3, 12^2\})$	44

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^3, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{13}, 6^3, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{16}, 6^3, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 6^3, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 6^3, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 6^3, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{16}, 4^2, 6^3, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 6^3, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 6^3, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 6^3, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 6^3, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 6^3, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 6^3, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 6^3, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 6^3, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 6^3, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 6^3, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 6^3, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^7, 4^{10}, 6^3, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 6^3, 12^2\})$	180224
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 6^3, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 6^3, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{20}, 3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{11}, 6^4, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{14}, 6^4, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{17}, 6^4, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6^4, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6^4, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6^4, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6^4, 12^2\})$	174784

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6^4, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6^4, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6^4, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6^4, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6^4, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^8, 4^8, 6^4, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6^4, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6^4, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6^4, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{21}, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^3, 6^5, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^9, 6^5, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{12}, 6^5, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{15}, 6^5, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^5, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^5, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^5, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^5, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^5, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^5, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^5, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^5, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^9, 4^6, 6^5, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^9, 4^8, 6^5, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^5, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^5, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^5, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^5, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^5, 12^2\})$	344064
12	$\mathcal{O}(0; \{4^{14}, 6^5, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^{18}, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6^6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6^6, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6^6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^6, 12^2\})$	10928

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^6, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^6, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^6, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^6, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^6, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^6, 12^2\})$	348160
12	$\mathcal{O}(0; \{3, 4^{12}, 6^6, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^7, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^8, 6^7, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^7, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^7, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^7, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^7, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^7, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^7, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^7, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^7, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^7, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^7, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^7, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{16}, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^6, 6^8, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^9, 6^8, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{12}, 6^8, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^8, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^8, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^8, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^8, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^8, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^8, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^7, 4^6, 6^8, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^8, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^4, 4^8, 6^8, 12^2\})$	175104

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^8, 6^8, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2, 4^{10}, 6^8, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{13}, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^4, 6^9, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^7, 6^9, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^{10}, 6^9, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^9, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^9, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^9, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^9, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^9, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^9, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^4, 4^6, 6^9, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^9, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{10}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^5, 6^{10}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^8, 6^{10}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^{10}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^{10}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^{10}, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^5, 4^4, 6^{10}, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^{10}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 6^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^3, 6^{11}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^6, 6^{11}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^8, 4^2, 6^{11}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^{11}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^6, 4^2, 6^{11}, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^5, 4^4, 6^{11}, 12^2\})$	87360
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^{11}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^2, 4^6, 6^{11}, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^8, 3, 6^{12}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^4, 6^{12}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^7, 6^{12}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^{12}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^{12}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^{12}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^2, 6^{13}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^5, 6^{13}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{13}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^6, 6^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^3, 6^{14}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{14}, 12^2\})$	174768

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{4^4, 6^{14}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^3, 3, 6^{15}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3, 4^2, 6^{15}, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^2, 6^{16}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 6^{17}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^{26}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{23}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{20}, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^9, 4^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{3^{15}, 4^5, 12^3\})$	11184896
12	$\mathcal{O}(0; \{2^{17}, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^6, 4^7, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^9, 4^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{2, 3^{12}, 4^7, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^{14}, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^9, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^6, 4^9, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^9, 4^9, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^{11}, 4^{11}, 12^3\})$	16384
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{11}, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{11}, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^8, 4^{13}, 12^3\})$	65536
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{13}, 12^3\})$	720896
12	$\mathcal{O}(0; \{3^6, 4^{13}, 12^3\})$	5570560
12	$\mathcal{O}(0; \{2^5, 4^{15}, 12^3\})$	262144
12	$\mathcal{O}(0; \{2, 3^3, 4^{15}, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^2, 4^{17}, 12^3\})$	1048576
12	$\mathcal{O}(0; \{2^{23}, 3, 4, 6, 12^3\})$	80

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4, 6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4, 6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4, 6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{20}, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^3, 6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^3, 6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3^{16}, 4^3, 6, 12^3\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^7, 4^5, 6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^5, 6, 12^3\})$	699136
12	$\mathcal{O}(0; \{2, 3^{13}, 4^5, 6, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^7, 6, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^7, 4^7, 6, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^7, 6, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 3, 4^9, 6, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^4, 4^9, 6, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^7, 4^9, 6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3, 4^{11}, 6, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{11}, 6, 12^3\})$	704512
12	$\mathcal{O}(0; \{3^7, 4^{11}, 6, 12^3\})$	5586944
12	$\mathcal{O}(0; \{2^5, 3, 4^{13}, 6, 12^3\})$	327680
12	$\mathcal{O}(0; \{2, 3^4, 4^{13}, 6, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^2, 3, 4^{15}, 6, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4, 6^2, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4, 6^2, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4, 6^2, 12^3\})$	1398096
12	$\mathcal{O}(0; \{3^{17}, 4, 6^2, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^8, 4^3, 6^2, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^3, 6^2, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^{14}, 4^3, 6^2, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^5, 6^2, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^8, 4^5, 6^2, 12^3\})$	349440

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^5, 6^2, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^7, 6^2, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^5, 4^7, 6^2, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^8, 4^7, 6^2, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3^2, 4^9, 6^2, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^5, 4^9, 6^2, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^8, 4^9, 6^2, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{11}, 6^2, 12^3\})$	344064
12	$\mathcal{O}(0; \{2, 3^5, 4^{11}, 6^2, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{13}, 6^2, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{21}, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 6^3, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 6^3, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 6^3, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 6^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 6^3, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 6^3, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 6^3, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 6^3, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 6^3, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 6^3, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 6^3, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^9, 4^7, 6^3, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^9, 4^9, 6^3, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 6^3, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 6^3, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^6, 4^{11}, 6^3, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 6^3, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^3, 4^{13}, 6^3, 12^3\})$	720896
12	$\mathcal{O}(0; \{4^{15}, 6^3, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6^4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6^4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6^4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6^4, 12^3\})$	21824

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6^4, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6^4, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6^4, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6^4, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6^4, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6^4, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6^4, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6^4, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6^4, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6^4, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6^4, 12^3\})$	704512
12	$\mathcal{O}(0; \{3, 4^{13}, 6^4, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^5, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^5, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^5, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^5, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^5, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^5, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^5, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^5, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^5, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^5, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^5, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^5, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^{16}, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^6, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{12}, 4, 6^6, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^6, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^6, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^6, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^7, 4^7, 6^6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^6, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^4, 4^9, 6^6, 12^3\})$	348160

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^9, 6^6, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2, 4^{11}, 6^6, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^7, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^7, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^7, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^7, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^7, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^7, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^7, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^7, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^4, 4^7, 6^7, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^7, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^8, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^8, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^8, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^8, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^8, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^8, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^5, 4^5, 6^8, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^8, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 4, 6^9, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^9, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^9, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^8, 4^3, 6^9, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^9, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^6, 4^3, 6^9, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^5, 4^5, 6^9, 12^3\})$	174848
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^9, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^2, 4^7, 6^9, 12^3\})$	699392
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^{10}, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^{10}, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^7, 4, 6^{10}, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^{10}, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^{10}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^{10}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^{11}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^{11}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^{11}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^6, 4, 6^{12}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^{12}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^3, 4^3, 6^{12}, 12^3\})$	349504

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{4^5, 6^{12}, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{13}, 12^3\})$	349520
12	$\mathcal{O}(0; \{3, 4^3, 6^{13}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3^2, 4, 6^{14}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 4, 6^{15}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^{23}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{19}, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{15}, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^7, 3^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^{17}, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{3^{17}, 4^2, 12^4\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^8, 4^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{14}, 4^4, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^8, 4^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^8, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^5, 4^8, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^8, 4^8, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{10}, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{10}, 12^4\})$	1392640
12	$\mathcal{O}(0; \{3^8, 4^{10}, 12^4\})$	11190272
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{12}, 12^4\})$	720896
12	$\mathcal{O}(0; \{2, 3^5, 4^{12}, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{14}, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{24}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{20}, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{16}, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^8, 3^{12}, 6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^{15}, 6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{3^{18}, 6, 12^4\})$	22369616
12	$\mathcal{O}(0; \{2^{21}, 4^2, 6, 12^4\})$	320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^2, 6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^9, 4^2, 6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^2, 6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{15}, 4^2, 6, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{18}, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^4, 6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^9, 4^4, 6, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^4, 6, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{15}, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^6, 6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^6, 4^6, 6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^9, 4^6, 6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{12}, 4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^8, 3^3, 4^8, 6, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^6, 4^8, 6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3^9, 4^8, 6, 12^4\})$	11186176
12	$\mathcal{O}(0; \{2^9, 4^{10}, 6, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{10}, 6, 12^4\})$	704512
12	$\mathcal{O}(0; \{2, 3^6, 4^{10}, 6, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^6, 4^{12}, 6, 12^4\})$	327680
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{12}, 6, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^3, 4^{14}, 6, 12^4\})$	1310720
12	$\mathcal{O}(0; \{4^{16}, 6, 12^4\})$	5242880
12	$\mathcal{O}(0; \{2^{21}, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{17}, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^{10}, 6^2, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{13}, 6^2, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{16}, 6^2, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 6^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 6^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 6^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 6^2, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 6^2, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 6^2, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 6^2, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 6^2, 12^4\})$	1397760

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{10}, 4^6, 6^2, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 6^2, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 6^2, 12^4\})$	700416
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 6^2, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 6^2, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 6^2, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 6^2, 12^4\})$	1376256
12	$\mathcal{O}(0; \{3, 4^{14}, 6^2, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2^{18}, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^8, 6^3, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{11}, 6^3, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{14}, 6^3, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6^3, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6^3, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6^3, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6^3, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6^3, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6^3, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6^3, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6^3, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6^3, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6^3, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6^3, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6^3, 12^4\})$	1392640
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6^3, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^{19}, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6^4, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^9, 6^4, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6^4, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^4, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^4, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^4, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^4, 12^4\})$	44032

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^4, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^4, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^7, 4^8, 6^4, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^4, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^4, 12^4\})$	704512
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^4, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2, 4^{12}, 6^4, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{16}, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^7, 6^5, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^5, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{13}, 6^5, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^5, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^5, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^5, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^5, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^5, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^5, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^5, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^5, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^5, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^4, 4^8, 6^5, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^5, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^5, 6^6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^8, 6^6, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{11}, 6^6, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^6, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^6, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^5, 4^6, 6^6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^6, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^{14}, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^7, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^6, 6^7, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^9, 6^7, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^7, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^7, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^7, 12^4\})$	1398080

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4^4, 6^7, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^7, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^6, 4^4, 6^7, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^5, 4^6, 6^7, 12^4\})$	349184
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^7, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^2, 4^8, 6^7, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2^{11}, 3, 6^8, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^4, 6^8, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^7, 6^8, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^8, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^8, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^7, 4^2, 6^8, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^8, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^8, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^8, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3^2, 6^9, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^5, 6^9, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^8, 6^9, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^9, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^9, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^9, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^9, 6^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^3, 6^{10}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^6, 6^{10}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^6, 4^2, 6^{10}, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^{10}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^3, 4^4, 6^{10}, 12^4\})$	699136
12	$\mathcal{O}(0; \{4^6, 6^{10}, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3, 6^{11}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^4, 6^{11}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^{11}, 12^4\})$	699072
12	$\mathcal{O}(0; \{3, 4^4, 6^{11}, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^2, 6^{12}, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{12}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^4, 6^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{3^3, 6^{13}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2, 4^2, 6^{13}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3, 6^{14}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{21}, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4, 12^5\})$	2796224

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{16}, 4, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{18}, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^3, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{15}, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^5, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^7, 4^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^{12}, 3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^8, 3^4, 4^7, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^7, 4^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{3^{10}, 4^7, 12^5\})$	22368256
12	$\mathcal{O}(0; \{2^9, 3, 4^9, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^5, 3^4, 4^9, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2, 3^7, 4^9, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^6, 3, 4^{11}, 12^5\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{11}, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^3, 3, 4^{13}, 12^5\})$	2883584
12	$\mathcal{O}(0; \{3, 4^{15}, 12^5\})$	11534336
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4, 6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4, 6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4, 6, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^3, 6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^8, 4^3, 6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^3, 6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^5, 4^5, 6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^8, 4^5, 6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{3^{11}, 4^5, 6, 12^5\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3^2, 4^7, 6, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^5, 4^7, 6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2, 3^8, 4^7, 6, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3^2, 4^9, 6, 12^5\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^5, 4^9, 6, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{11}, 6, 12^5\})$	2818048
12	$\mathcal{O}(0; \{3^2, 4^{13}, 6, 12^5\})$	11272192
12	$\mathcal{O}(0; \{2^{19}, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 6^2, 12^5\})$	10944

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 6^2, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 6^2, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 6^2, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 6^2, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 6^2, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^{12}, 4^3, 6^2, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 6^2, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 6^2, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 6^2, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 4^7, 6^2, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 6^2, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 6^2, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^7, 4^9, 6^2, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 6^2, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^4, 4^{11}, 6^2, 12^5\})$	1376256
12	$\mathcal{O}(0; \{3^3, 4^{11}, 6^2, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2, 4^{13}, 6^2, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6^3, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6^3, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{13}, 4, 6^3, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6^3, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6^3, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6^3, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6^3, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6^3, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6^3, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6^3, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6^3, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^4, 4^9, 6^3, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6^3, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^4, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^4, 12^5\})$	699136

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^4, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^4, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^4, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^4, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^5, 4^7, 6^4, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^4, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^{14}, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^5, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^5, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^5, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^5, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^5, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^5, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^8, 4^5, 6^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^6, 4^5, 6^5, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^5, 4^7, 6^5, 12^5\})$	700416
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^5, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^2, 4^9, 6^5, 12^5\})$	2801664
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^7, 4^3, 6^6, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^6, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^6, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^7, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^7, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^8, 4, 6^7, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^7, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^7, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^7, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^9, 4, 6^8, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^8, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^8, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^6, 4^3, 6^8, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^8, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^3, 4^5, 6^8, 12^5\})$	1397760
12	$\mathcal{O}(0; \{4^7, 6^8, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^9, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^9, 12^5\})$	2796224

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^9, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3, 4^5, 6^9, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^{10}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^2, 4^3, 6^{10}, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^4, 4, 6^{11}, 12^5\})$	699072
12	$\mathcal{O}(0; \{3^3, 4, 6^{11}, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2, 4^3, 6^{11}, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 3, 4, 6^{12}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{22}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^{18}, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{14}, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^{10}, 3^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^6, 3^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3^{15}, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{19}, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{16}, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{3^{12}, 4^4, 12^6\})$	44739584
12	$\mathcal{O}(0; \{2^{13}, 4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^{10}, 4^8, 12^6\})$	180224
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^7, 4^{10}, 12^6\})$	720896
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^4, 4^{12}, 12^6\})$	2883584
12	$\mathcal{O}(0; \{3^3, 4^{12}, 12^6\})$	22282240
12	$\mathcal{O}(0; \{2, 4^{14}, 12^6\})$	11534336
12	$\mathcal{O}(0; \{2^{19}, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{15}, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 3^7, 6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^{10}, 6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^{13}, 6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6, 12^6\})$	87296

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6, 12^6\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6, 12^6\})$	2818048
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6, 12^6\})$	22347776
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{16}, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^8, 6^2, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{11}, 6^2, 12^6\})$	5592384
12	$\mathcal{O}(0; \{3^{14}, 6^2, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^2, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^2, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^2, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^2, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^2, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^2, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^2, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^5, 4^8, 6^2, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^2, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{17}, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^6, 6^3, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^9, 6^3, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{12}, 6^3, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^3, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^3, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^3, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^3, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^3, 12^6\})$	699392

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^3, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^8, 4^6, 6^3, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^3, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^6, 4^6, 6^3, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^5, 4^8, 6^3, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^3, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^3, 12^6\})$	5570560
12	$\mathcal{O}(0; \{2^{14}, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^4, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^7, 6^4, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^4, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^4, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^4, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^4, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^7, 4^4, 6^4, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^4, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^4, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^4, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^5, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^5, 6^5, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^8, 6^5, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^5, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^5, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^8, 4^2, 6^5, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^5, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^5, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^5, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^{12}, 6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^3, 6^6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^6, 6^6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^9, 6^6, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^9, 4^2, 6^6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^6, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^6, 4^4, 6^6, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^3, 4^6, 6^6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{4^8, 6^6, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^9, 3, 6^7, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^4, 6^7, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^7, 6^7, 12^6\})$	11184832

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^7, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^7, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^7, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3, 4^6, 6^7, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3^2, 6^8, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^5, 6^8, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^8, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^2, 4^4, 6^8, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^7, 6^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^3, 6^9, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^4, 4^2, 6^9, 12^6\})$	1398016
12	$\mathcal{O}(0; \{3^3, 4^2, 6^9, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2, 4^4, 6^9, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3, 6^{10}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^4, 6^{10}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{10}, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 3^2, 6^{11}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^2, 6^{12}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{3^{14}, 4, 12^7\})$	89478400
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 12^7\})$	5570560
12	$\mathcal{O}(0; \{3^5, 4^9, 12^7\})$	44761088
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{17}, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6, 12^7\})$	2796544

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^8, 4^7, 6, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3^6, 4^7, 6, 12^7\})$	44744704
12	$\mathcal{O}(0; \{2^5, 4^9, 6, 12^7\})$	2818048
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6, 12^7\})$	11272192
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^2, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^2, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^2, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^2, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^2, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^2, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^2, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^2, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^7, 4^5, 6^2, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^2, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^2, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^2, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^3, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^3, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^3, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^3, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^3, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^8, 4^3, 6^3, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^3, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^3, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^3, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^{12}, 4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^9, 4, 6^4, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^9, 4^3, 6^4, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^4, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^4, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^6, 4^5, 6^4, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^4, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^3, 4^7, 6^4, 12^7\})$	5586944
12	$\mathcal{O}(0; \{4^9, 6^4, 12^7\})$	22347776

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^5, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^5, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^5, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^5, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^5, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3, 4^7, 6^5, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^6, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^2, 4^5, 6^6, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^7, 4, 6^7, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^7, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^4, 4^3, 6^7, 12^7\})$	2796544
12	$\mathcal{O}(0; \{3^3, 4^3, 6^7, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2, 4^5, 6^7, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^8, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^4, 4, 6^8, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^8, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^9, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^2, 4, 6^{10}, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^{17}, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{13}, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^9, 3^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2, 3^{13}, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 12^8\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{3^7, 4^6, 12^8\})$	89473024
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 12^8\})$	5570560
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^8, 6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6, 12^8\})$	44739328

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3^8, 4^4, 6, 12^8\})$	89477120
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{15}, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^2, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^6, 6^2, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^9, 6^2, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^9, 4^2, 6^2, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^9, 4^4, 6^2, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^2, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^2, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^6, 4^6, 6^2, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^2, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^3, 4^8, 6^2, 12^8\})$	11206656
12	$\mathcal{O}(0; \{4^{10}, 6^2, 12^8\})$	44826624
12	$\mathcal{O}(0; \{2^{12}, 3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^4, 6^3, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^7, 6^3, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^{10}, 6^3, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^3, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^3, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^3, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^3, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^3, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^3, 12^8\})$	11190272
12	$\mathcal{O}(0; \{3, 4^8, 6^3, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^9, 3^2, 6^4, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^5, 6^4, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^8, 6^4, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^4, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^4, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3^2, 4^6, 6^4, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^{10}, 6^5, 12^8\})$	349440

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 6^5, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^6, 6^5, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^7, 4^2, 6^5, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^5, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^4, 4^4, 6^5, 12^8\})$	5591040
12	$\mathcal{O}(0; \{3^3, 4^4, 6^5, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2, 4^6, 6^5, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^7, 3, 6^6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^4, 6^6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^6, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^4, 4^2, 6^6, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^6, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3^2, 6^7, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^5, 6^7, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^7, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^5, 6^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2, 3^3, 6^8, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^2, 4^2, 6^8, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3, 6^9, 12^8\})$	11184896
12	$\mathcal{O}(0; \{6^{11}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{15}, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{12}, 4^3, 12^9\})$	348160
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3^9, 4^3, 12^9\})$	178958336
12	$\mathcal{O}(0; \{2^9, 4^5, 12^9\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^6, 4^7, 12^9\})$	5570560
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^3, 4^9, 12^9\})$	22282240
12	$\mathcal{O}(0; \{4^{11}, 12^9\})$	89128960
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{3^{10}, 4, 6, 12^9\})$	178957312
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6, 12^9\})$	5586944

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6, 12^9\})$	22347776
12	$\mathcal{O}(0; \{3, 4^9, 6, 12^9\})$	89391104
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^2, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^2, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^2, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^2, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^2, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^2, 12^9\})$	22364160
12	$\mathcal{O}(0; \{3^2, 4^7, 6^2, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2^{10}, 4, 6^3, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^3, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^3, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^7, 4^3, 6^3, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^3, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^4, 4^5, 6^3, 12^9\})$	11190272
12	$\mathcal{O}(0; \{3^3, 4^5, 6^3, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2, 4^7, 6^3, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^4, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^4, 4^3, 6^4, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^4, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^5, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^5, 4, 6^5, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^5, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^5, 4, 6^6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^6, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^2, 4^3, 6^6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^7, 12^9\})$	22369280
12	$\mathcal{O}(0; \{4, 6^9, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{12}, 3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{3^{11}, 12^{10}\})$	357913600
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{3^2, 4^8, 12^{10}\})$	179044352
12	$\mathcal{O}(0; \{2^{13}, 6, 12^{10}\})$	349184

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^3, 6, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^6, 6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2, 3^9, 6, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^7, 4^4, 6, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 4^6, 6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{3^3, 4^6, 6, 12^{10}\})$	178978816
12	$\mathcal{O}(0; \{2, 4^8, 6, 12^{10}\})$	89391104
12	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^2, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3^4, 4^4, 6^2, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^2, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^3, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^5, 4^2, 6^3, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^3, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^8, 6^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^6, 6^4, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^5, 4^2, 6^4, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^4, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^2, 4^4, 6^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{2^5, 3, 6^5, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^4, 6^5, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^5, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^3, 6^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{4^2, 6^7, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{3, 6^8, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 12^{11}\})$	44761088

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 4^5, 12^{11}\})$	357892096
12	$\mathcal{O}(0; \{2, 3, 4^7, 12^{11}\})$	179044352
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3^5, 4^3, 6, 12^{11}\})$	357908480
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^8, 4, 6^2, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^2, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^6, 4, 6^2, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2^5, 4^3, 6^2, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^2, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 4^5, 6^2, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^3, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^3, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^3, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 4, 6^5, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{4^3, 6^5, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{3, 4, 6^6, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^{11}, 12^{12}\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^8, 4^2, 12^{12}\})$	11190272
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{3^6, 4^2, 12^{12}\})$	715833344
12	$\mathcal{O}(0; \{2^5, 4^4, 12^{12}\})$	44761088
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^2, 4^6, 12^{12}\})$	179044352
12	$\mathcal{O}(0; \{2^8, 3, 6, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^4, 6, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{3^7, 6, 12^{12}\})$	715829248
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^5, 6^2, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^6, 6^3, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{4^4, 6^3, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^3, 3, 6^4, 12^{12}\})$	89477120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^2, 6^4, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{3^2, 6^5, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2, 6^6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^5, 4, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2^6, 4, 6, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 4^3, 6, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{4^5, 6, 12^{13}\})$	715915264
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{3, 4^3, 6^2, 12^{13}\})$	715849728
12	$\mathcal{O}(0; \{3^2, 4, 6^3, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2, 4, 6^4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^6, 3, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^4, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{3, 4^4, 12^{14}\})$	1431568384
12	$\mathcal{O}(0; \{2^3, 3^2, 6, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{3^2, 4^2, 6, 12^{14}\})$	1431633920
12	$\mathcal{O}(0; \{2^4, 6^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{3^3, 6^2, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2, 4^2, 6^2, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2, 3, 6^3, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^4, 4, 12^{15}\})$	357892096
12	$\mathcal{O}(0; \{3^3, 4, 12^{15}\})$	2863333376
12	$\mathcal{O}(0; \{2, 4^3, 12^{15}\})$	1431568384
12	$\mathcal{O}(0; \{2, 3, 4, 6, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2, 3^2, 12^{16}\})$	2863333376
12	$\mathcal{O}(0; \{2^2, 6, 12^{16}\})$	1431633920
12	$\mathcal{O}(0; \{12^{18}\})$	11453333504
13	$\mathcal{O}(4; \{13^8\})$	26980714514127036
14	$\mathcal{O}(5; \{2^2, 7^4\})$	53801365825536
14	$\mathcal{O}(5; \{7^3, 14^2\})$	321072667023360
14	$\mathcal{O}(4; \{2^6, 7^4\})$	274496764416
14	$\mathcal{O}(4; \{2^4, 7^3, 14^2\})$	1638125852160
14	$\mathcal{O}(4; \{2^2, 7^2, 14^4\})$	9837609847296
14	$\mathcal{O}(4; \{7, 14^6\})$	59016804349440
14	$\mathcal{O}(3; \{2^{10}, 7^4\})$	1400493696
14	$\mathcal{O}(3; \{2^3, 7^7, 14\})$	1806682045056
14	$\mathcal{O}(3; \{2^8, 7^3, 14^2\})$	8357784960
14	$\mathcal{O}(3; \{2, 7^6, 14^3\})$	10840047093120
14	$\mathcal{O}(3; \{2^6, 7^2, 14^4\})$	50191886976

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(3; \{2^4, 7, 14^6\})$	301106144640
14	$\mathcal{O}(3; \{2^2, 14^8\})$	1806682045056
14	$\mathcal{O}(2; \{2^{14}, 7^4\})$	7145376
14	$\mathcal{O}(2; \{2^2, 7^{11}\})$	1991030210400
14	$\mathcal{O}(2; \{2^7, 7^7, 14\})$	9217765536
14	$\mathcal{O}(2; \{2^{12}, 7^3, 14^2\})$	42641760
14	$\mathcal{O}(2; \{7^{10}, 14^2\})$	11946181492896
14	$\mathcal{O}(2; \{2^5, 7^6, 14^3\})$	55306362720
14	$\mathcal{O}(2; \{2^{10}, 7^2, 14^4\})$	256081056
14	$\mathcal{O}(2; \{2^3, 7^5, 14^5\})$	331838406816
14	$\mathcal{O}(2; \{2^8, 7, 14^6\})$	1536255840
14	$\mathcal{O}(2; \{2, 7^4, 14^7\})$	1991030210400
14	$\mathcal{O}(2; \{2^6, 14^8\})$	9217765536
14	$\mathcal{O}(1; \{2^{18}, 7^4\})$	36456
14	$\mathcal{O}(1; \{2^6, 7^{11}\})$	10158317400
14	$\mathcal{O}(1; \{2^{11}, 7^7, 14\})$	47029416
14	$\mathcal{O}(1; \{2^{16}, 7^3, 14^2\})$	217560
14	$\mathcal{O}(1; \{2^4, 7^{10}, 14^2\})$	60949905576
14	$\mathcal{O}(1; \{2^9, 7^6, 14^3\})$	282175320
14	$\mathcal{O}(1; \{2^{14}, 7^2, 14^4\})$	1306536
14	$\mathcal{O}(1; \{2^2, 7^9, 14^4\})$	365699432280
14	$\mathcal{O}(1; \{2^7, 7^5, 14^5\})$	1693053096
14	$\mathcal{O}(1; \{2^{12}, 7, 14^6\})$	7838040
14	$\mathcal{O}(1; \{7^8, 14^6\})$	2194196594856
14	$\mathcal{O}(1; \{2^5, 7^4, 14^7\})$	10158317400
14	$\mathcal{O}(1; \{2^{10}, 14^8\})$	47029416
14	$\mathcal{O}(1; \{2^3, 7^3, 14^9\})$	60949905576
14	$\mathcal{O}(1; \{2, 7^2, 14^{11}\})$	365699432280
14	$\mathcal{O}(0; \{2^{22}, 7^4\})$	186
14	$\mathcal{O}(0; \{2^{10}, 7^{11}\})$	51828150
14	$\mathcal{O}(0; \{2^{15}, 7^7, 14\})$	239946
14	$\mathcal{O}(0; \{2^3, 7^{14}, 14\})$	67169283510
14	$\mathcal{O}(0; \{2^{20}, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{2^8, 7^{10}, 14^2\})$	310968906
14	$\mathcal{O}(0; \{2^{13}, 7^6, 14^3\})$	1439670
14	$\mathcal{O}(0; \{2, 7^{13}, 14^3\})$	403015701066
14	$\mathcal{O}(0; \{2^{18}, 7^2, 14^4\})$	6666
14	$\mathcal{O}(0; \{2^6, 7^9, 14^4\})$	1865813430
14	$\mathcal{O}(0; \{2^{11}, 7^5, 14^5\})$	8638026
14	$\mathcal{O}(0; \{2^{16}, 7, 14^6\})$	39990
14	$\mathcal{O}(0; \{2^4, 7^8, 14^6\})$	11194880586
14	$\mathcal{O}(0; \{2^9, 7^4, 14^7\})$	51828150
14	$\mathcal{O}(0; \{2^{14}, 14^8\})$	239946

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^2, 7^7, 14^8\})$	67169283510
14	$\mathcal{O}(0; \{2^7, 7^3, 14^9\})$	310968906
14	$\mathcal{O}(0; \{7^6, 14^{10}\})$	403015701066
14	$\mathcal{O}(0; \{2^5, 7^2, 14^{11}\})$	1865813430
14	$\mathcal{O}(0; \{2^3, 7, 14^{13}\})$	11194880586
14	$\mathcal{O}(0; \{2, 14^{15}\})$	67169283510
15	$\mathcal{O}(6; \{5^2\})$	518984375000000
15	$\mathcal{O}(5; \{3^3, 5^2\})$	4613203125000
15	$\mathcal{O}(5; \{5, 15^3\})$	59971640625000
15	$\mathcal{O}(4; \{3^6, 5^2\})$	225534375000
15	$\mathcal{O}(4; \{5^7\})$	8394750000000
15	$\mathcal{O}(4; \{3, 5^5, 15\})$	4203140625000
15	$\mathcal{O}(4; \{3^2, 5^3, 15^2\})$	3136978125000
15	$\mathcal{O}(4; \{3^3, 5, 15^3\})$	2931946875000
15	$\mathcal{O}(4; \{15^6\})$	46234546875000
15	$\mathcal{O}(3; \{3^9, 5^2\})$	7745625000
15	$\mathcal{O}(3; \{3^3, 5^7\})$	74631375000
15	$\mathcal{O}(3; \{3^4, 5^5, 15\})$	93403125000
15	$\mathcal{O}(3; \{3^5, 5^3, 15^2\})$	97594875000
15	$\mathcal{O}(3; \{3^6, 5, 15^3\})$	100693125000
15	$\mathcal{O}(3; \{5^6, 15^3\})$	1194375375000
15	$\mathcal{O}(3; \{3, 5^4, 15^4\})$	1493083125000
15	$\mathcal{O}(3; \{3^2, 5^2, 15^5\})$	1567258875000
15	$\mathcal{O}(3; \{3^3, 15^6\})$	1587853125000
15	$\mathcal{O}(2; \{3^{12}, 5^2\})$	276615000
15	$\mathcal{O}(2; \{3^6, 5^7\})$	3648645000
15	$\mathcal{O}(2; \{5^{12}\})$	167772200000
15	$\mathcal{O}(2; \{3^7, 5^5, 15\})$	3570075000
15	$\mathcal{O}(2; \{3, 5^{10}, 15\})$	84934575000
15	$\mathcal{O}(2; \{3^8, 5^3, 15^2\})$	3532005000
15	$\mathcal{O}(2; \{3^2, 5^8, 15^2\})$	63701235000
15	$\mathcal{O}(2; \{3^9, 5, 15^3\})$	3595995000
15	$\mathcal{O}(2; \{3^3, 5^6, 15^3\})$	58391685000
15	$\mathcal{O}(2; \{3^4, 5^4, 15^4\})$	57068955000
15	$\mathcal{O}(2; \{3^5, 5^2, 15^5\})$	56719845000
15	$\mathcal{O}(2; \{3^6, 15^6\})$	56706075000
15	$\mathcal{O}(2; \{5^5, 15^6\})$	934280325000
15	$\mathcal{O}(2; \{3, 5^3, 15^7\})$	913051035000
15	$\mathcal{O}(2; \{3^2, 5, 15^8\})$	907725285000
15	$\mathcal{O}(1; \{3^{15}, 5^2\})$	9829800
15	$\mathcal{O}(1; \{3^9, 5^7\})$	125307000
15	$\mathcal{O}(1; \{3^3, 5^{12}\})$	1509949800
15	$\mathcal{O}(1; \{3^{10}, 5^5, 15\})$	125829000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^4, 5^{10}, 15\})$	1887435000
15	$\mathcal{O}(1; \{3^{11}, 5^3, 15^2\})$	125307000
15	$\mathcal{O}(1; \{3^5, 5^8, 15^2\})$	1981816200
15	$\mathcal{O}(1; \{3^{12}, 5, 15^3\})$	127787400
15	$\mathcal{O}(1; \{3^6, 5^6, 15^3\})$	2005371000
15	$\mathcal{O}(1; \{5^{11}, 15^3\})$	24159191400
15	$\mathcal{O}(1; \{3^7, 5^4, 15^4\})$	2011422600
15	$\mathcal{O}(1; \{3, 5^9, 15^4\})$	30198987000
15	$\mathcal{O}(1; \{3^8, 5^2, 15^5\})$	2012283000
15	$\mathcal{O}(1; \{3^2, 5^7, 15^5\})$	31708945800
15	$\mathcal{O}(1; \{3^9, 15^6\})$	2015109000
15	$\mathcal{O}(1; \{3^3, 5^5, 15^6\})$	32086395000
15	$\mathcal{O}(1; \{3^4, 5^3, 15^7\})$	32180920200
15	$\mathcal{O}(1; \{3^5, 5, 15^8\})$	32203899000
15	$\mathcal{O}(1; \{5^4, 15^9\})$	513382779000
15	$\mathcal{O}(1; \{3, 5^2, 15^{10}\})$	514892881800
15	$\mathcal{O}(1; \{3^2, 15^{11}\})$	515269755000
15	$\mathcal{O}(0; \{3^{18}, 5^2\})$	349528
15	$\mathcal{O}(0; \{3^{12}, 5^7\})$	4475016
15	$\mathcal{O}(0; \{3^6, 5^{12}\})$	73819768
15	$\mathcal{O}(0; \{3^{13}, 5^5, 15\})$	4478840
15	$\mathcal{O}(0; \{3^7, 5^{10}, 15\})$	72141960
15	$\mathcal{O}(0; \{3, 5^{15}, 15\})$	1717986920
15	$\mathcal{O}(0; \{3^{14}, 5^3, 15^2\})$	4456584
15	$\mathcal{O}(0; \{3^8, 5^8, 15^2\})$	71722872
15	$\mathcal{O}(0; \{3^2, 5^{13}, 15^2\})$	1288490184
15	$\mathcal{O}(0; \{3^{15}, 5, 15^3\})$	4543864
15	$\mathcal{O}(0; \{3^9, 5^6, 15^3\})$	71616648
15	$\mathcal{O}(0; \{3^3, 5^{11}, 15^3\})$	1181116024
15	$\mathcal{O}(0; \{3^{10}, 5^4, 15^4\})$	71595896
15	$\mathcal{O}(0; \{3^4, 5^9, 15^4\})$	1154272392
15	$\mathcal{O}(0; \{3^{11}, 5^2, 15^5\})$	71567496
15	$\mathcal{O}(0; \{3^5, 5^7, 15^5\})$	1147561848
15	$\mathcal{O}(0; \{3^{12}, 15^6\})$	71653240
15	$\mathcal{O}(0; \{3^6, 5^5, 15^6\})$	1145882760
15	$\mathcal{O}(0; \{5^{10}, 15^6\})$	18897856120
15	$\mathcal{O}(0; \{3^7, 5^3, 15^7\})$	1145468792
15	$\mathcal{O}(0; \{3, 5^8, 15^7\})$	18468359304
15	$\mathcal{O}(0; \{3^8, 5, 15^8\})$	1145342088
15	$\mathcal{O}(0; \{3^2, 5^6, 15^8\})$	18360985464
15	$\mathcal{O}(0; \{3^3, 5^4, 15^9\})$	18334140552
15	$\mathcal{O}(0; \{3^4, 5^2, 15^{10}\})$	18327435128
15	$\mathcal{O}(0; \{3^5, 15^{11}\})$	18325735560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{5^3, 15^{12}\})$	293346265224
15	$\mathcal{O}(0; \{3, 5, 15^{13}\})$	293238896504
16	$\mathcal{O}(5; \{2^2, 16^2\})$	8796093022208
16	$\mathcal{O}(4; \{2^6, 16^2\})$	34359738368
16	$\mathcal{O}(4; \{2^3, 4^2, 16^2\})$	137438953472
16	$\mathcal{O}(4; \{4^4, 16^2\})$	549755813888
16	$\mathcal{O}(4; \{2, 4, 8^2, 16^2\})$	1099511627776
16	$\mathcal{O}(3; \{2^{10}, 16^2\})$	134217728
16	$\mathcal{O}(3; \{2^7, 4^2, 16^2\})$	536870912
16	$\mathcal{O}(3; \{2^4, 4^4, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2, 4^6, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2^5, 4, 8^2, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{2^2, 4^3, 8^2, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{2^3, 8^4, 16^2\})$	34359738368
16	$\mathcal{O}(3; \{4^2, 8^4, 16^2\})$	137438953472
16	$\mathcal{O}(3; \{2^3, 4, 8, 16^4\})$	68719476736
16	$\mathcal{O}(3; \{4^3, 8, 16^4\})$	274877906944
16	$\mathcal{O}(3; \{2, 8^3, 16^4\})$	549755813888
16	$\mathcal{O}(3; \{2, 4, 16^6\})$	1099511627776
16	$\mathcal{O}(2; \{2^{14}, 16^2\})$	524288
16	$\mathcal{O}(2; \{2^{11}, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2^8, 4^4, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^5, 4^6, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^2, 4^8, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^9, 4, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^6, 4^3, 8^2, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^3, 4^5, 8^2, 16^2\})$	268435456
16	$\mathcal{O}(2; \{4^7, 8^2, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2^7, 8^4, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^4, 4^2, 8^4, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2, 4^4, 8^4, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2^2, 4, 8^6, 16^2\})$	4294967296
16	$\mathcal{O}(2; \{8^8, 16^2\})$	34359738368
16	$\mathcal{O}(2; \{2^7, 4, 8, 16^4\})$	268435456
16	$\mathcal{O}(2; \{2^4, 4^3, 8, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{2, 4^5, 8, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2^5, 8^3, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2^2, 4^2, 8^3, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{4, 8^5, 16^4\})$	68719476736
16	$\mathcal{O}(2; \{2^5, 4, 16^6\})$	4294967296
16	$\mathcal{O}(2; \{2^2, 4^3, 16^6\})$	17179869184
16	$\mathcal{O}(2; \{2^3, 8^2, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{4^2, 8^2, 16^6\})$	137438953472

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2, 8, 16^8\})$	549755813888
16	$\mathcal{O}(1; \{2^{18}, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^{15}, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^{12}, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^9, 4^6, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^6, 4^8, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^3, 4^{10}, 16^2\})$	2097152
16	$\mathcal{O}(1; \{4^{12}, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^{13}, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^{10}, 4^3, 8^2, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^7, 4^5, 8^2, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^4, 4^7, 8^2, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2, 4^9, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^{11}, 8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^8, 4^2, 8^4, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^5, 4^4, 8^4, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^2, 4^6, 8^4, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^6, 4, 8^6, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^3, 4^3, 8^6, 16^2\})$	67108864
16	$\mathcal{O}(1; \{4^5, 8^6, 16^2\})$	268435456
16	$\mathcal{O}(1; \{2^4, 8^8, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2, 4^2, 8^8, 16^2\})$	536870912
16	$\mathcal{O}(1; \{2^{11}, 4, 8, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^8, 4^3, 8, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^5, 4^5, 8, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^2, 4^7, 8, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^9, 8^3, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^6, 4^2, 8^3, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^3, 4^4, 8^3, 16^4\})$	134217728
16	$\mathcal{O}(1; \{4^6, 8^3, 16^4\})$	536870912
16	$\mathcal{O}(1; \{2^4, 4, 8^5, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2, 4^3, 8^5, 16^4\})$	1073741824
16	$\mathcal{O}(1; \{2^2, 8^7, 16^4\})$	2147483648
16	$\mathcal{O}(1; \{2^9, 4, 16^6\})$	16777216
16	$\mathcal{O}(1; \{2^6, 4^3, 16^6\})$	67108864
16	$\mathcal{O}(1; \{2^3, 4^5, 16^6\})$	268435456
16	$\mathcal{O}(1; \{4^7, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2^7, 8^2, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2^4, 4^2, 8^2, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2, 4^4, 8^2, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2^2, 4, 8^4, 16^6\})$	4294967296
16	$\mathcal{O}(1; \{8^6, 16^6\})$	34359738368
16	$\mathcal{O}(1; \{2^5, 8, 16^8\})$	2147483648

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^2, 4^2, 8, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{4, 8^3, 16^8\})$	68719476736
16	$\mathcal{O}(1; \{2^3, 16^{10}\})$	34359738368
16	$\mathcal{O}(1; \{4^2, 16^{10}\})$	137438953472
16	$\mathcal{O}(0; \{2^{22}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^{19}, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^{16}, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{13}, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{10}, 4^8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^7, 4^{10}, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^4, 4^{12}, 16^2\})$	32768
16	$\mathcal{O}(0; \{2, 4^{14}, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^{17}, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{14}, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^{11}, 4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^8, 4^7, 8^2, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^5, 4^9, 8^2, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^2, 4^{11}, 8^2, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{15}, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^{12}, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^9, 4^4, 8^4, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^6, 4^6, 8^4, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^3, 4^8, 8^4, 16^2\})$	524288
16	$\mathcal{O}(0; \{4^{10}, 8^4, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^{10}, 4, 8^6, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^7, 4^3, 8^6, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^4, 4^5, 8^6, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2, 4^7, 8^6, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^8, 8^8, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^5, 4^2, 8^8, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4^4, 8^8, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4, 8^{10}, 16^2\})$	16777216
16	$\mathcal{O}(0; \{4^3, 8^{10}, 16^2\})$	67108864
16	$\mathcal{O}(0; \{2, 8^{12}, 16^2\})$	134217728
16	$\mathcal{O}(0; \{2^{15}, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^{12}, 4^3, 8, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^9, 4^5, 8, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^6, 4^7, 8, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^3, 4^9, 8, 16^4\})$	1048576
16	$\mathcal{O}(0; \{4^{11}, 8, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^{13}, 8^3, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^{10}, 4^2, 8^3, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^7, 4^4, 8^3, 16^4\})$	524288

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^4, 4^6, 8^3, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2, 4^8, 8^3, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^8, 4, 8^5, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^5, 4^3, 8^5, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^2, 4^5, 8^5, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^6, 8^7, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^3, 4^2, 8^7, 16^4\})$	33554432
16	$\mathcal{O}(0; \{4^4, 8^7, 16^4\})$	134217728
16	$\mathcal{O}(0; \{2, 4, 8^9, 16^4\})$	268435456
16	$\mathcal{O}(0; \{2^{13}, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{2^{10}, 4^3, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^7, 4^5, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^4, 4^7, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2, 4^9, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^{11}, 8^2, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^8, 4^2, 8^2, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^5, 4^4, 8^2, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4^6, 8^2, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^6, 4, 8^4, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^3, 4^3, 8^4, 16^6\})$	67108864
16	$\mathcal{O}(0; \{4^5, 8^4, 16^6\})$	268435456
16	$\mathcal{O}(0; \{2^4, 8^6, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2, 4^2, 8^6, 16^6\})$	536870912
16	$\mathcal{O}(0; \{2^9, 8, 16^8\})$	8388608
16	$\mathcal{O}(0; \{2^6, 4^2, 8, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2^3, 4^4, 8, 16^8\})$	134217728
16	$\mathcal{O}(0; \{4^6, 8, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2^4, 4, 8^3, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2, 4^3, 8^3, 16^8\})$	1073741824
16	$\mathcal{O}(0; \{2^2, 8^5, 16^8\})$	2147483648
16	$\mathcal{O}(0; \{2^7, 16^{10}\})$	134217728
16	$\mathcal{O}(0; \{2^4, 4^2, 16^{10}\})$	536870912
16	$\mathcal{O}(0; \{2, 4^4, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{2^2, 4, 8^2, 16^{10}\})$	4294967296
16	$\mathcal{O}(0; \{8^4, 16^{10}\})$	34359738368
16	$\mathcal{O}(0; \{4, 8, 16^{12}\})$	68719476736
17	$\mathcal{O}(0; \{17^{13}\})$	264917625139440
18	$\mathcal{O}(5; \{6^2\})$	7140813520896
18	$\mathcal{O}(4; \{2^2, 3^4\})$	66109685760
18	$\mathcal{O}(4; \{2^3, 3^2, 6\})$	22036561920
18	$\mathcal{O}(4; \{2^4, 6^2\})$	22036561920
18	$\mathcal{O}(4; \{3^3, 6^2\})$	110182809600
18	$\mathcal{O}(4; \{2, 3, 6^3\})$	66109685760

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(4; \{2^2, 9^3\})$	198359290368
18	$\mathcal{O}(4; \{2, 3^2, 9, 18\})$	264479053824
18	$\mathcal{O}(4; \{2^2, 6, 9, 18\})$	132239526912
18	$\mathcal{O}(4; \{9^2, 18^2\})$	1785233613312
18	$\mathcal{O}(4; \{6, 18^3\})$	396718580736
18	$\mathcal{O}(3; \{2^6, 3^4\})$	203793408
18	$\mathcal{O}(3; \{2^2, 3^7\})$	1426553856
18	$\mathcal{O}(3; \{2^7, 3^2, 6\})$	67931136
18	$\mathcal{O}(3; \{2^3, 3^5, 6\})$	747242496
18	$\mathcal{O}(3; \{2^8, 6^2\})$	67931136
18	$\mathcal{O}(3; \{2^4, 3^3, 6^2\})$	339655680
18	$\mathcal{O}(3; \{3^6, 6^2\})$	2921038848
18	$\mathcal{O}(3; \{2^5, 3, 6^3\})$	203793408
18	$\mathcal{O}(3; \{2, 3^4, 6^3\})$	1426553856
18	$\mathcal{O}(3; \{2^2, 3^2, 6^4\})$	747242496
18	$\mathcal{O}(3; \{2^3, 6^5\})$	339655680
18	$\mathcal{O}(3; \{3, 6^6\})$	1426553856
18	$\mathcal{O}(3; \{2^6, 9^3\})$	612220032
18	$\mathcal{O}(3; \{2^2, 3^3, 9^3\})$	4897760256
18	$\mathcal{O}(3; \{2^3, 3, 6, 9^3\})$	2448880128
18	$\mathcal{O}(3; \{3^2, 6^2, 9^3\})$	9795520512
18	$\mathcal{O}(3; \{2, 6^3, 9^3\})$	4897760256
18	$\mathcal{O}(3; \{2^5, 3^2, 9, 18\})$	816293376
18	$\mathcal{O}(3; \{2, 3^5, 9, 18\})$	6530347008
18	$\mathcal{O}(3; \{2^6, 6, 9, 18\})$	408146688
18	$\mathcal{O}(3; \{2^2, 3^3, 6, 9, 18\})$	3265173504
18	$\mathcal{O}(3; \{2^3, 3, 6^2, 9, 18\})$	1632586752
18	$\mathcal{O}(3; \{3^2, 6^3, 9, 18\})$	6530347008
18	$\mathcal{O}(3; \{2, 6^4, 9, 18\})$	3265173504
18	$\mathcal{O}(3; \{2, 3, 9^4, 18\})$	55099802880
18	$\mathcal{O}(3; \{2^4, 9^2, 18^2\})$	5509980288
18	$\mathcal{O}(3; \{3^3, 9^2, 18^2\})$	44079842304
18	$\mathcal{O}(3; \{2, 3, 6, 9^2, 18^2\})$	22039921152
18	$\mathcal{O}(3; \{2^3, 3^2, 18^3\})$	2448880128
18	$\mathcal{O}(3; \{2^4, 6, 18^3\})$	1224440064
18	$\mathcal{O}(3; \{3^3, 6, 18^3\})$	9795520512
18	$\mathcal{O}(3; \{2, 3, 6^2, 18^3\})$	4897760256
18	$\mathcal{O}(3; \{2^2, 9, 18^4\})$	27549901440
18	$\mathcal{O}(3; \{18^6\})$	181829349504
18	$\mathcal{O}(2; \{2^{10}, 3^4\})$	622080
18	$\mathcal{O}(2; \{2^6, 3^7\})$	4354560
18	$\mathcal{O}(2; \{2^2, 3^{10}\})$	35458560
18	$\mathcal{O}(2; \{2^{11}, 3^2, 6\})$	207360

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^7, 3^5, 6\})$	2280960
18	$\mathcal{O}(2; \{2^3, 3^8, 6\})$	17625600
18	$\mathcal{O}(2; \{2^{12}, 6^2\})$	207360
18	$\mathcal{O}(2; \{2^8, 3^3, 6^2\})$	1036800
18	$\mathcal{O}(2; \{2^4, 3^6, 6^2\})$	8916480
18	$\mathcal{O}(2; \{3^9, 6^2\})$	70709760
18	$\mathcal{O}(2; \{2^9, 3, 6^3\})$	622080
18	$\mathcal{O}(2; \{2^5, 3^4, 6^3\})$	4354560
18	$\mathcal{O}(2; \{2, 3^7, 6^3\})$	35458560
18	$\mathcal{O}(2; \{2^6, 3^2, 6^4\})$	2280960
18	$\mathcal{O}(2; \{2^2, 3^5, 6^4\})$	17625600
18	$\mathcal{O}(2; \{2^7, 6^5\})$	1036800
18	$\mathcal{O}(2; \{2^3, 3^3, 6^5\})$	8916480
18	$\mathcal{O}(2; \{2^4, 3, 6^6\})$	4354560
18	$\mathcal{O}(2; \{3^4, 6^6\})$	35458560
18	$\mathcal{O}(2; \{2, 3^2, 6^7\})$	17625600
18	$\mathcal{O}(2; \{2^2, 6^8\})$	8916480
18	$\mathcal{O}(2; \{2^{10}, 9^3\})$	1889568
18	$\mathcal{O}(2; \{2^6, 3^3, 9^3\})$	15116544
18	$\mathcal{O}(2; \{2^2, 3^6, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2^7, 3, 6, 9^3\})$	7558272
18	$\mathcal{O}(2; \{2^3, 3^4, 6, 9^3\})$	60466176
18	$\mathcal{O}(2; \{2^4, 3^2, 6^2, 9^3\})$	30233088
18	$\mathcal{O}(2; \{3^5, 6^2, 9^3\})$	241864704
18	$\mathcal{O}(2; \{2^5, 6^3, 9^3\})$	15116544
18	$\mathcal{O}(2; \{2, 3^3, 6^3, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3, 6^4, 9^3\})$	60466176
18	$\mathcal{O}(2; \{6^6, 9^3\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3^2, 9^6\})$	2244806784
18	$\mathcal{O}(2; \{2^3, 6, 9^6\})$	1122403392
18	$\mathcal{O}(2; \{3, 6^2, 9^6\})$	4489613568
18	$\mathcal{O}(2; \{2^9, 3^2, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2^5, 3^5, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{2, 3^8, 9, 18\})$	161243136
18	$\mathcal{O}(2; \{2^{10}, 6, 9, 18\})$	1259712
18	$\mathcal{O}(2; \{2^6, 3^3, 6, 9, 18\})$	10077696
18	$\mathcal{O}(2; \{2^2, 3^6, 6, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2^7, 3, 6^2, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^4, 6^2, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3^2, 6^3, 9, 18\})$	20155392
18	$\mathcal{O}(2; \{3^5, 6^3, 9, 18\})$	161243136
18	$\mathcal{O}(2; \{2^5, 6^4, 9, 18\})$	10077696
18	$\mathcal{O}(2; \{2, 3^3, 6^4, 9, 18\})$	80621568

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^2, 3, 6^5, 9, 18\})$	40310784
18	$\mathcal{O}(2; \{6^7, 9, 18\})$	80621568
18	$\mathcal{O}(2; \{2^5, 3, 9^4, 18\})$	170061120
18	$\mathcal{O}(2; \{2, 3^4, 9^4, 18\})$	1360488960
18	$\mathcal{O}(2; \{2^2, 3^2, 6, 9^4, 18\})$	680244480
18	$\mathcal{O}(2; \{2^3, 6^2, 9^4, 18\})$	340122240
18	$\mathcal{O}(2; \{3, 6^3, 9^4, 18\})$	1360488960
18	$\mathcal{O}(2; \{2, 9^7, 18\})$	19744096032
18	$\mathcal{O}(2; \{2^8, 9^2, 18^2\})$	17006112
18	$\mathcal{O}(2; \{2^4, 3^3, 9^2, 18^2\})$	136048896
18	$\mathcal{O}(2; \{3^6, 9^2, 18^2\})$	1088391168
18	$\mathcal{O}(2; \{2^5, 3, 6, 9^2, 18^2\})$	68024448
18	$\mathcal{O}(2; \{2, 3^4, 6, 9^2, 18^2\})$	544195584
18	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 9^2, 18^2\})$	272097792
18	$\mathcal{O}(2; \{2^3, 6^3, 9^2, 18^2\})$	136048896
18	$\mathcal{O}(2; \{3, 6^4, 9^2, 18^2\})$	544195584
18	$\mathcal{O}(2; \{3^2, 9^5, 18^2\})$	12856620672
18	$\mathcal{O}(2; \{2, 6, 9^5, 18^2\})$	6428310336
18	$\mathcal{O}(2; \{2^7, 3^2, 18^3\})$	7558272
18	$\mathcal{O}(2; \{2^3, 3^5, 18^3\})$	60466176
18	$\mathcal{O}(2; \{2^8, 6, 18^3\})$	3779136
18	$\mathcal{O}(2; \{2^4, 3^3, 6, 18^3\})$	30233088
18	$\mathcal{O}(2; \{3^6, 6, 18^3\})$	241864704
18	$\mathcal{O}(2; \{2^5, 3, 6^2, 18^3\})$	15116544
18	$\mathcal{O}(2; \{2, 3^4, 6^2, 18^3\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3^2, 6^3, 18^3\})$	60466176
18	$\mathcal{O}(2; \{2^3, 6^4, 18^3\})$	30233088
18	$\mathcal{O}(2; \{3, 6^5, 18^3\})$	120932352
18	$\mathcal{O}(2; \{2^3, 3, 9^3, 18^3\})$	1122403392
18	$\mathcal{O}(2; \{3^2, 6, 9^3, 18^3\})$	4489613568
18	$\mathcal{O}(2; \{2, 6^2, 9^3, 18^3\})$	2244806784
18	$\mathcal{O}(2; \{2^6, 9, 18^4\})$	85030560
18	$\mathcal{O}(2; \{2^2, 3^3, 9, 18^4\})$	680244480
18	$\mathcal{O}(2; \{2^3, 3, 6, 9, 18^4\})$	340122240
18	$\mathcal{O}(2; \{3^2, 6^2, 9, 18^4\})$	1360488960
18	$\mathcal{O}(2; \{2, 6^3, 9, 18^4\})$	680244480
18	$\mathcal{O}(2; \{2, 3, 9^2, 18^5\})$	6428310336
18	$\mathcal{O}(2; \{2^4, 18^6\})$	561201696
18	$\mathcal{O}(2; \{3^3, 18^6\})$	4489613568
18	$\mathcal{O}(2; \{2, 3, 6, 18^6\})$	2244806784
18	$\mathcal{O}(1; \{2^{14}, 3^4\})$	1728
18	$\mathcal{O}(1; \{2^{10}, 3^7\})$	12096
18	$\mathcal{O}(1; \{2^6, 3^{10}\})$	98496

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^{13}\})$	786240
18	$\mathcal{O}(1; \{2^{15}, 3^2, 6\})$	576
18	$\mathcal{O}(1; \{2^{11}, 3^5, 6\})$	6336
18	$\mathcal{O}(1; \{2^7, 3^8, 6\})$	48960
18	$\mathcal{O}(1; \{2^3, 3^{11}, 6\})$	393408
18	$\mathcal{O}(1; \{2^{16}, 6^2\})$	576
18	$\mathcal{O}(1; \{2^{12}, 3^3, 6^2\})$	2880
18	$\mathcal{O}(1; \{2^8, 3^6, 6^2\})$	24768
18	$\mathcal{O}(1; \{2^4, 3^9, 6^2\})$	196416
18	$\mathcal{O}(1; \{3^{12}, 6^2\})$	1573056
18	$\mathcal{O}(1; \{2^{13}, 3, 6^3\})$	1728
18	$\mathcal{O}(1; \{2^9, 3^4, 6^3\})$	12096
18	$\mathcal{O}(1; \{2^5, 3^7, 6^3\})$	98496
18	$\mathcal{O}(1; \{2, 3^{10}, 6^3\})$	786240
18	$\mathcal{O}(1; \{2^{10}, 3^2, 6^4\})$	6336
18	$\mathcal{O}(1; \{2^6, 3^5, 6^4\})$	48960
18	$\mathcal{O}(1; \{2^2, 3^8, 6^4\})$	393408
18	$\mathcal{O}(1; \{2^{11}, 6^5\})$	2880
18	$\mathcal{O}(1; \{2^7, 3^3, 6^5\})$	24768
18	$\mathcal{O}(1; \{2^3, 3^6, 6^5\})$	196416
18	$\mathcal{O}(1; \{2^8, 3, 6^6\})$	12096
18	$\mathcal{O}(1; \{2^4, 3^4, 6^6\})$	98496
18	$\mathcal{O}(1; \{3^7, 6^6\})$	786240
18	$\mathcal{O}(1; \{2^5, 3^2, 6^7\})$	48960
18	$\mathcal{O}(1; \{2, 3^5, 6^7\})$	393408
18	$\mathcal{O}(1; \{2^6, 6^8\})$	24768
18	$\mathcal{O}(1; \{2^2, 3^3, 6^8\})$	196416
18	$\mathcal{O}(1; \{2^3, 3, 6^9\})$	98496
18	$\mathcal{O}(1; \{3^2, 6^{10}\})$	393408
18	$\mathcal{O}(1; \{2, 6^{11}\})$	196416
18	$\mathcal{O}(1; \{2^{14}, 9^3\})$	5832
18	$\mathcal{O}(1; \{2^{10}, 3^3, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^6, 3^6, 9^3\})$	373248
18	$\mathcal{O}(1; \{2^2, 3^9, 9^3\})$	2985984
18	$\mathcal{O}(1; \{2^{11}, 3, 6, 9^3\})$	23328
18	$\mathcal{O}(1; \{2^7, 3^4, 6, 9^3\})$	186624
18	$\mathcal{O}(1; \{2^3, 3^7, 6, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^8, 3^2, 6^2, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^5, 6^2, 9^3\})$	746496
18	$\mathcal{O}(1; \{3^8, 6^2, 9^3\})$	5971968
18	$\mathcal{O}(1; \{2^9, 6^3, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^3, 6^3, 9^3\})$	373248
18	$\mathcal{O}(1; \{2, 3^6, 6^3, 9^3\})$	2985984

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^6, 3, 6^4, 9^3\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^4, 6^4, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^3, 3^2, 6^5, 9^3\})$	746496
18	$\mathcal{O}(1; \{2^4, 6^6, 9^3\})$	373248
18	$\mathcal{O}(1; \{3^3, 6^6, 9^3\})$	2985984
18	$\mathcal{O}(1; \{2, 3, 6^7, 9^3\})$	1492992
18	$\mathcal{O}(1; \{2^6, 3^2, 9^6\})$	6928416
18	$\mathcal{O}(1; \{2^2, 3^5, 9^6\})$	55427328
18	$\mathcal{O}(1; \{2^7, 6, 9^6\})$	3464208
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9^6\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9^6\})$	13856832
18	$\mathcal{O}(1; \{3^4, 6^2, 9^6\})$	110854656
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9^6\})$	55427328
18	$\mathcal{O}(1; \{2^2, 6^4, 9^6\})$	27713664
18	$\mathcal{O}(1; \{2^2, 3, 9^9\})$	722759760
18	$\mathcal{O}(1; \{6^2, 9^9\})$	1445519520
18	$\mathcal{O}(1; \{2^{13}, 3^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2^9, 3^5, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^5, 3^8, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2, 3^{11}, 9, 18\})$	3981312
18	$\mathcal{O}(1; \{2^{14}, 6, 9, 18\})$	3888
18	$\mathcal{O}(1; \{2^{10}, 3^3, 6, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^6, 3^6, 6, 9, 18\})$	248832
18	$\mathcal{O}(1; \{2^2, 3^9, 6, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^{11}, 3, 6^2, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^4, 6^2, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^7, 6^2, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^8, 3^2, 6^3, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^5, 6^3, 9, 18\})$	497664
18	$\mathcal{O}(1; \{3^8, 6^3, 9, 18\})$	3981312
18	$\mathcal{O}(1; \{2^9, 6^4, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^5, 3^3, 6^4, 9, 18\})$	248832
18	$\mathcal{O}(1; \{2, 3^6, 6^4, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2^6, 3, 6^5, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^4, 6^5, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^3, 3^2, 6^6, 9, 18\})$	497664
18	$\mathcal{O}(1; \{2^4, 6^7, 9, 18\})$	248832
18	$\mathcal{O}(1; \{3^3, 6^7, 9, 18\})$	1990656
18	$\mathcal{O}(1; \{2, 3, 6^8, 9, 18\})$	995328
18	$\mathcal{O}(1; \{2^9, 3, 9^4, 18\})$	524880
18	$\mathcal{O}(1; \{2^5, 3^4, 9^4, 18\})$	4199040
18	$\mathcal{O}(1; \{2, 3^7, 9^4, 18\})$	33592320
18	$\mathcal{O}(1; \{2^6, 3^2, 6, 9^4, 18\})$	2099520

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^5, 6, 9^4, 18\})$	16796160
18	$\mathcal{O}(1; \{2^7, 6^2, 9^4, 18\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3, 6^3, 9^4, 18\})$	4199040
18	$\mathcal{O}(1; \{3^4, 6^3, 9^4, 18\})$	33592320
18	$\mathcal{O}(1; \{2, 3^2, 6^4, 9^4, 18\})$	16796160
18	$\mathcal{O}(1; \{2^2, 6^5, 9^4, 18\})$	8398080
18	$\mathcal{O}(1; \{2^5, 9^7, 18\})$	60938568
18	$\mathcal{O}(1; \{2, 3^3, 9^7, 18\})$	487508544
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^7, 18\})$	243754272
18	$\mathcal{O}(1; \{6^3, 9^7, 18\})$	487508544
18	$\mathcal{O}(1; \{2^{12}, 9^2, 18^2\})$	52488
18	$\mathcal{O}(1; \{2^8, 3^3, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^6, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{3^9, 9^2, 18^2\})$	26873856
18	$\mathcal{O}(1; \{2^9, 3, 6, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^4, 6, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{2, 3^7, 6, 9^2, 18^2\})$	13436928
18	$\mathcal{O}(1; \{2^6, 3^2, 6^2, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^5, 6^2, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^7, 6^3, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^3, 6^3, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 6^4, 9^2, 18^2\})$	1679616
18	$\mathcal{O}(1; \{3^4, 6^4, 9^2, 18^2\})$	13436928
18	$\mathcal{O}(1; \{2, 3^2, 6^5, 9^2, 18^2\})$	6718464
18	$\mathcal{O}(1; \{2^2, 6^6, 9^2, 18^2\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3^2, 9^5, 18^2\})$	39680928
18	$\mathcal{O}(1; \{3^5, 9^5, 18^2\})$	317447424
18	$\mathcal{O}(1; \{2^5, 6, 9^5, 18^2\})$	19840464
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^5, 18^2\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^5, 18^2\})$	79361856
18	$\mathcal{O}(1; \{6^4, 9^5, 18^2\})$	158723712
18	$\mathcal{O}(1; \{3, 9^8, 18^2\})$	4362067728
18	$\mathcal{O}(1; \{2^{11}, 3^2, 18^3\})$	23328
18	$\mathcal{O}(1; \{2^7, 3^5, 18^3\})$	186624
18	$\mathcal{O}(1; \{2^3, 3^8, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^{12}, 6, 18^3\})$	11664
18	$\mathcal{O}(1; \{2^8, 3^3, 6, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^6, 6, 18^3\})$	746496
18	$\mathcal{O}(1; \{3^9, 6, 18^3\})$	5971968
18	$\mathcal{O}(1; \{2^9, 3, 6^2, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^4, 6^2, 18^3\})$	373248
18	$\mathcal{O}(1; \{2, 3^7, 6^2, 18^3\})$	2985984

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^6, 3^2, 6^3, 18^3\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^5, 6^3, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^7, 6^4, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^3, 6^4, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^4, 3, 6^5, 18^3\})$	373248
18	$\mathcal{O}(1; \{3^4, 6^5, 18^3\})$	2985984
18	$\mathcal{O}(1; \{2, 3^2, 6^6, 18^3\})$	1492992
18	$\mathcal{O}(1; \{2^2, 6^7, 18^3\})$	746496
18	$\mathcal{O}(1; \{2^7, 3, 9^3, 18^3\})$	3464208
18	$\mathcal{O}(1; \{2^3, 3^4, 9^3, 18^3\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3^2, 6, 9^3, 18^3\})$	13856832
18	$\mathcal{O}(1; \{3^5, 6, 9^3, 18^3\})$	110854656
18	$\mathcal{O}(1; \{2^5, 6^2, 9^3, 18^3\})$	6928416
18	$\mathcal{O}(1; \{2, 3^3, 6^2, 9^3, 18^3\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3, 6^3, 9^3, 18^3\})$	27713664
18	$\mathcal{O}(1; \{6^5, 9^3, 18^3\})$	55427328
18	$\mathcal{O}(1; \{2^3, 9^6, 18^3\})$	361379880
18	$\mathcal{O}(1; \{3, 6, 9^6, 18^3\})$	1445519520
18	$\mathcal{O}(1; \{2^{10}, 9, 18^4\})$	262440
18	$\mathcal{O}(1; \{2^6, 3^3, 9, 18^4\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^6, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2^7, 3, 6, 9, 18^4\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^4, 6, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 9, 18^4\})$	4199040
18	$\mathcal{O}(1; \{3^5, 6^2, 9, 18^4\})$	33592320
18	$\mathcal{O}(1; \{2^5, 6^3, 9, 18^4\})$	2099520
18	$\mathcal{O}(1; \{2, 3^3, 6^3, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3, 6^4, 9, 18^4\})$	8398080
18	$\mathcal{O}(1; \{6^6, 9, 18^4\})$	16796160
18	$\mathcal{O}(1; \{2^2, 3^2, 9^4, 18^4\})$	243754272
18	$\mathcal{O}(1; \{2^3, 6, 9^4, 18^4\})$	121877136
18	$\mathcal{O}(1; \{3, 6^2, 9^4, 18^4\})$	487508544
18	$\mathcal{O}(1; \{2^5, 3, 9^2, 18^5\})$	19840464
18	$\mathcal{O}(1; \{2, 3^4, 9^2, 18^5\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 9^2, 18^5\})$	79361856
18	$\mathcal{O}(1; \{2^3, 6^2, 9^2, 18^5\})$	39680928
18	$\mathcal{O}(1; \{3, 6^3, 9^2, 18^5\})$	158723712
18	$\mathcal{O}(1; \{2, 9^5, 18^5\})$	2181033864
18	$\mathcal{O}(1; \{2^8, 18^6\})$	1732104
18	$\mathcal{O}(1; \{2^4, 3^3, 18^6\})$	13856832
18	$\mathcal{O}(1; \{3^6, 18^6\})$	110854656
18	$\mathcal{O}(1; \{2^5, 3, 6, 18^6\})$	6928416
18	$\mathcal{O}(1; \{2, 3^4, 6, 18^6\})$	55427328

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 18^6\})$	27713664
18	$\mathcal{O}(1; \{2^3, 6^3, 18^6\})$	13856832
18	$\mathcal{O}(1; \{3, 6^4, 18^6\})$	55427328
18	$\mathcal{O}(1; \{3^2, 9^3, 18^6\})$	1445519520
18	$\mathcal{O}(1; \{2, 6, 9^3, 18^6\})$	722759760
18	$\mathcal{O}(1; \{2^3, 3, 9, 18^7\})$	121877136
18	$\mathcal{O}(1; \{3^2, 6, 9, 18^7\})$	487508544
18	$\mathcal{O}(1; \{2, 6^2, 9, 18^7\})$	243754272
18	$\mathcal{O}(1; \{2, 3, 18^9\})$	722759760
18	$\mathcal{O}(0; \{2^{18}, 9^3\})$	18
18	$\mathcal{O}(0; \{2^{14}, 3^3, 9^3\})$	144
18	$\mathcal{O}(0; \{2^{10}, 3^6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^6, 3^9, 9^3\})$	9216
18	$\mathcal{O}(0; \{2^2, 3^{12}, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^{15}, 3, 6, 9^3\})$	72
18	$\mathcal{O}(0; \{2^{11}, 3^4, 6, 9^3\})$	576
18	$\mathcal{O}(0; \{2^7, 3^7, 6, 9^3\})$	4608
18	$\mathcal{O}(0; \{2^3, 3^{10}, 6, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2, 9^3\})$	288
18	$\mathcal{O}(0; \{2^8, 3^5, 6^2, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^8, 6^2, 9^3\})$	18432
18	$\mathcal{O}(0; \{3^{11}, 6^2, 9^3\})$	147456
18	$\mathcal{O}(0; \{2^{13}, 6^3, 9^3\})$	144
18	$\mathcal{O}(0; \{2^9, 3^3, 6^3, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^6, 6^3, 9^3\})$	9216
18	$\mathcal{O}(0; \{2, 3^9, 6^3, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^{10}, 3, 6^4, 9^3\})$	576
18	$\mathcal{O}(0; \{2^6, 3^4, 6^4, 9^3\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^7, 6^4, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^7, 3^2, 6^5, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^5, 6^5, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^8, 6^6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^3, 6^6, 9^3\})$	9216
18	$\mathcal{O}(0; \{3^6, 6^6, 9^3\})$	73728
18	$\mathcal{O}(0; \{2^5, 3, 6^7, 9^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^4, 6^7, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^2, 3^2, 6^8, 9^3\})$	18432
18	$\mathcal{O}(0; \{2^3, 6^9, 9^3\})$	9216
18	$\mathcal{O}(0; \{3, 6^{10}, 9^3\})$	36864
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^6, 3^5, 9^6\})$	171072
18	$\mathcal{O}(0; \{2^2, 3^8, 9^6\})$	1368576
18	$\mathcal{O}(0; \{2^{11}, 6, 9^6\})$	10692

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9^6\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9^6\})$	342144
18	$\mathcal{O}(0; \{3^7, 6^2, 9^6\})$	2737152
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9^6\})$	171072
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9^6\})$	1368576
18	$\mathcal{O}(0; \{2^6, 6^4, 9^6\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9^6\})$	342144
18	$\mathcal{O}(0; \{3^2, 6^6, 9^6\})$	1368576
18	$\mathcal{O}(0; \{2, 6^7, 9^6\})$	684288
18	$\mathcal{O}(0; \{2^6, 3, 9^9\})$	2230740
18	$\mathcal{O}(0; \{2^2, 3^4, 9^9\})$	17845920
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^9\})$	8922960
18	$\mathcal{O}(0; \{2^4, 6^2, 9^9\})$	4461480
18	$\mathcal{O}(0; \{3^3, 6^2, 9^9\})$	35691840
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^9\})$	17845920
18	$\mathcal{O}(0; \{2^2, 9^{12}\})$	241982802
18	$\mathcal{O}(0; \{2^{17}, 3^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^{13}, 3^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^9, 3^8, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^5, 3^{11}, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2, 3^{14}, 9, 18\})$	98304
18	$\mathcal{O}(0; \{2^{18}, 6, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^{14}, 3^3, 6, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^{10}, 3^6, 6, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^6, 3^9, 6, 9, 18\})$	6144
18	$\mathcal{O}(0; \{2^2, 3^{12}, 6, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^{15}, 3, 6^2, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^4, 6^2, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^7, 3^7, 6^2, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^{10}, 6^2, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6^3, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^8, 3^5, 6^3, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^8, 6^3, 9, 18\})$	12288
18	$\mathcal{O}(0; \{3^{11}, 6^3, 9, 18\})$	98304
18	$\mathcal{O}(0; \{2^{13}, 6^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^9, 3^3, 6^4, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^5, 3^6, 6^4, 9, 18\})$	6144
18	$\mathcal{O}(0; \{2, 3^9, 6^4, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^{10}, 3, 6^5, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^6, 3^4, 6^5, 9, 18\})$	3072

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^7, 6^5, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^7, 3^2, 6^6, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^5, 6^6, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^8, 6^7, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^4, 3^3, 6^7, 9, 18\})$	6144
18	$\mathcal{O}(0; \{3^6, 6^7, 9, 18\})$	49152
18	$\mathcal{O}(0; \{2^5, 3, 6^8, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2, 3^4, 6^8, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^2, 3^2, 6^9, 9, 18\})$	12288
18	$\mathcal{O}(0; \{2^3, 6^{10}, 9, 18\})$	6144
18	$\mathcal{O}(0; \{3, 6^{11}, 9, 18\})$	24576
18	$\mathcal{O}(0; \{2^{13}, 3, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{2^9, 3^4, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^5, 3^7, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{2, 3^{10}, 9^4, 18\})$	829440
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^5, 6, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^8, 6, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 6^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^8, 3, 6^3, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{3^7, 6^3, 9^4, 18\})$	829440
18	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 9^4, 18\})$	51840
18	$\mathcal{O}(0; \{2, 3^5, 6^4, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2^6, 6^5, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^3, 3, 6^6, 9^4, 18\})$	103680
18	$\mathcal{O}(0; \{3^2, 6^7, 9^4, 18\})$	414720
18	$\mathcal{O}(0; \{2, 6^8, 9^4, 18\})$	207360
18	$\mathcal{O}(0; \{2^9, 9^7, 18\})$	188082
18	$\mathcal{O}(0; \{2^5, 3^3, 9^7, 18\})$	1504656
18	$\mathcal{O}(0; \{2, 3^6, 9^7, 18\})$	12037248
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^7, 18\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^7, 18\})$	3009312
18	$\mathcal{O}(0; \{2^4, 6^3, 9^7, 18\})$	1504656
18	$\mathcal{O}(0; \{3^3, 6^3, 9^7, 18\})$	12037248
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^7, 18\})$	6018624
18	$\mathcal{O}(0; \{2, 3^2, 9^{10}, 18\})$	161085672
18	$\mathcal{O}(0; \{2^2, 6, 9^{10}, 18\})$	80542836
18	$\mathcal{O}(0; \{2^{16}, 9^2, 18^2\})$	162

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{12}, 3^3, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^6, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^9, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{3^{12}, 9^2, 18^2\})$	663552
18	$\mathcal{O}(0; \{2^{13}, 3, 6, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2^9, 3^4, 6, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^7, 6, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{2, 3^{10}, 6, 9^2, 18^2\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^2, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^5, 6^2, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^8, 6^2, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 6^3, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^3, 6^3, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^6, 6^3, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 6^4, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^4, 6^4, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{3^7, 6^4, 9^2, 18^2\})$	331776
18	$\mathcal{O}(0; \{2^5, 3^2, 6^5, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2, 3^5, 6^5, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2^6, 6^6, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^3, 6^6, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^3, 3, 6^7, 9^2, 18^2\})$	41472
18	$\mathcal{O}(0; \{3^2, 6^8, 9^2, 18^2\})$	165888
18	$\mathcal{O}(0; \{2, 6^9, 9^2, 18^2\})$	82944
18	$\mathcal{O}(0; \{2^8, 3^2, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^5, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{3^8, 9^5, 18^2\})$	7838208
18	$\mathcal{O}(0; \{2^9, 6, 9^5, 18^2\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^5, 18^2\})$	489888
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^5, 18^2\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^5, 18^2\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^5, 18^2\})$	979776
18	$\mathcal{O}(0; \{2^4, 6^4, 9^5, 18^2\})$	489888
18	$\mathcal{O}(0; \{3^3, 6^4, 9^5, 18^2\})$	3919104
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^5, 18^2\})$	1959552
18	$\mathcal{O}(0; \{2^4, 3, 9^8, 18^2\})$	13463172
18	$\mathcal{O}(0; \{3^4, 9^8, 18^2\})$	107705376
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^8, 18^2\})$	53852688
18	$\mathcal{O}(0; \{2^2, 6^2, 9^8, 18^2\})$	26926344
18	$\mathcal{O}(0; \{9^{11}, 18^2\})$	1450833930
18	$\mathcal{O}(0; \{2^{15}, 3^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2^{11}, 3^5, 18^3\})$	576

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^7, 3^8, 18^3\})$	4608
18	$\mathcal{O}(0; \{2^3, 3^{11}, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^{16}, 6, 18^3\})$	36
18	$\mathcal{O}(0; \{2^{12}, 3^3, 6, 18^3\})$	288
18	$\mathcal{O}(0; \{2^8, 3^6, 6, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^9, 6, 18^3\})$	18432
18	$\mathcal{O}(0; \{3^{12}, 6, 18^3\})$	147456
18	$\mathcal{O}(0; \{2^{13}, 3, 6^2, 18^3\})$	144
18	$\mathcal{O}(0; \{2^9, 3^4, 6^2, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^7, 6^2, 18^3\})$	9216
18	$\mathcal{O}(0; \{2, 3^{10}, 6^2, 18^3\})$	73728
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^3, 18^3\})$	576
18	$\mathcal{O}(0; \{2^6, 3^5, 6^3, 18^3\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^8, 6^3, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^{11}, 6^4, 18^3\})$	288
18	$\mathcal{O}(0; \{2^7, 3^3, 6^4, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^6, 6^4, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^8, 3, 6^5, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^4, 6^5, 18^3\})$	9216
18	$\mathcal{O}(0; \{3^7, 6^5, 18^3\})$	73728
18	$\mathcal{O}(0; \{2^5, 3^2, 6^6, 18^3\})$	4608
18	$\mathcal{O}(0; \{2, 3^5, 6^6, 18^3\})$	36864
18	$\mathcal{O}(0; \{2^6, 6^7, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^3, 6^7, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^3, 3, 6^8, 18^3\})$	9216
18	$\mathcal{O}(0; \{3^2, 6^9, 18^3\})$	36864
18	$\mathcal{O}(0; \{2, 6^{10}, 18^3\})$	18432
18	$\mathcal{O}(0; \{2^{11}, 3, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^4, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^7, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^8, 3^2, 6, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^5, 6, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{3^8, 6, 9^3, 18^3\})$	2737152
18	$\mathcal{O}(0; \{2^9, 6^2, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{2, 3^6, 6^2, 9^3, 18^3\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3, 6^3, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 9^3, 18^3\})$	342144
18	$\mathcal{O}(0; \{2^4, 6^5, 9^3, 18^3\})$	171072
18	$\mathcal{O}(0; \{3^3, 6^5, 9^3, 18^3\})$	1368576
18	$\mathcal{O}(0; \{2, 3, 6^6, 9^3, 18^3\})$	684288
18	$\mathcal{O}(0; \{2^7, 9^6, 18^3\})$	1115370

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 3^3, 9^6, 18^3\})$	8922960
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^6, 18^3\})$	4461480
18	$\mathcal{O}(0; \{3^4, 6, 9^6, 18^3\})$	35691840
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^6, 18^3\})$	17845920
18	$\mathcal{O}(0; \{2^2, 6^3, 9^6, 18^3\})$	8922960
18	$\mathcal{O}(0; \{6, 9^9, 18^3\})$	483965604
18	$\mathcal{O}(0; \{2^{14}, 9, 18^4\})$	810
18	$\mathcal{O}(0; \{2^{10}, 3^3, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^6, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^9, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 3, 6, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^4, 6, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^7, 6, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{3^8, 6^2, 9, 18^4\})$	829440
18	$\mathcal{O}(0; \{2^9, 6^3, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{2, 3^6, 6^3, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2^6, 3, 6^4, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 9, 18^4\})$	103680
18	$\mathcal{O}(0; \{2^4, 6^6, 9, 18^4\})$	51840
18	$\mathcal{O}(0; \{3^3, 6^6, 9, 18^4\})$	414720
18	$\mathcal{O}(0; \{2, 3, 6^7, 9, 18^4\})$	207360
18	$\mathcal{O}(0; \{2^6, 3^2, 9^4, 18^4\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^5, 9^4, 18^4\})$	6018624
18	$\mathcal{O}(0; \{2^7, 6, 9^4, 18^4\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^4, 18^4\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^4, 18^4\})$	1504656
18	$\mathcal{O}(0; \{3^4, 6^2, 9^4, 18^4\})$	12037248
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^4, 18^4\})$	6018624
18	$\mathcal{O}(0; \{2^2, 6^4, 9^4, 18^4\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 9^7, 18^4\})$	80542836
18	$\mathcal{O}(0; \{6^2, 9^7, 18^4\})$	161085672
18	$\mathcal{O}(0; \{2^9, 3, 9^2, 18^5\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^4, 9^2, 18^5\})$	489888
18	$\mathcal{O}(0; \{2, 3^7, 9^2, 18^5\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 9^2, 18^5\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2^7, 6^2, 9^2, 18^5\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 9^2, 18^5\})$	489888

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^4, 6^3, 9^2, 18^5\})$	3919104
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 9^2, 18^5\})$	1959552
18	$\mathcal{O}(0; \{2^2, 6^5, 9^2, 18^5\})$	979776
18	$\mathcal{O}(0; \{2^5, 9^5, 18^5\})$	6731586
18	$\mathcal{O}(0; \{2, 3^3, 9^5, 18^5\})$	53852688
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^5, 18^5\})$	26926344
18	$\mathcal{O}(0; \{6^3, 9^5, 18^5\})$	53852688
18	$\mathcal{O}(0; \{2^{12}, 18^6\})$	5346
18	$\mathcal{O}(0; \{2^8, 3^3, 18^6\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^6, 18^6\})$	342144
18	$\mathcal{O}(0; \{3^9, 18^6\})$	2737152
18	$\mathcal{O}(0; \{2^9, 3, 6, 18^6\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 18^6\})$	171072
18	$\mathcal{O}(0; \{2, 3^7, 6, 18^6\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 18^6\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^7, 6^3, 18^6\})$	42768
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 18^6\})$	171072
18	$\mathcal{O}(0; \{3^4, 6^4, 18^6\})$	1368576
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 18^6\})$	684288
18	$\mathcal{O}(0; \{2^2, 6^6, 18^6\})$	342144
18	$\mathcal{O}(0; \{2^4, 3^2, 9^3, 18^6\})$	4461480
18	$\mathcal{O}(0; \{3^5, 9^3, 18^6\})$	35691840
18	$\mathcal{O}(0; \{2^5, 6, 9^3, 18^6\})$	2230740
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^3, 18^6\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^3, 18^6\})$	8922960
18	$\mathcal{O}(0; \{6^4, 9^3, 18^6\})$	17845920
18	$\mathcal{O}(0; \{3, 9^6, 18^6\})$	483965604
18	$\mathcal{O}(0; \{2^7, 3, 9, 18^7\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^4, 9, 18^7\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9, 18^7\})$	1504656
18	$\mathcal{O}(0; \{3^5, 6, 9, 18^7\})$	12037248
18	$\mathcal{O}(0; \{2^5, 6^2, 9, 18^7\})$	752328
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9, 18^7\})$	6018624
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9, 18^7\})$	3009312
18	$\mathcal{O}(0; \{6^5, 9, 18^7\})$	6018624
18	$\mathcal{O}(0; \{2^3, 9^4, 18^7\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 9^4, 18^7\})$	161085672
18	$\mathcal{O}(0; \{2^2, 3^2, 9^2, 18^8\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 9^2, 18^8\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 9^2, 18^8\})$	53852688
18	$\mathcal{O}(0; \{2^5, 3, 18^9\})$	2230740

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^4, 18^9\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 18^9\})$	8922960
18	$\mathcal{O}(0; \{2^3, 6^2, 18^9\})$	4461480
18	$\mathcal{O}(0; \{3, 6^3, 18^9\})$	17845920
18	$\mathcal{O}(0; \{2, 9^3, 18^9\})$	241982802
18	$\mathcal{O}(0; \{3^2, 9, 18^{10}\})$	161085672
18	$\mathcal{O}(0; \{2, 6, 9, 18^{10}\})$	80542836
20	$\mathcal{O}(4; \{5, 20^2\})$	61440000000
20	$\mathcal{O}(3; \{4^2, 5^4\})$	6656000000
20	$\mathcal{O}(3; \{2^3, 4^2, 5, 10\})$	512000000
20	$\mathcal{O}(3; \{4^4, 5, 10\})$	2048000000
20	$\mathcal{O}(3; \{2, 4^2, 10^3\})$	1536000000
20	$\mathcal{O}(3; \{2, 4, 5^2, 10, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^4, 5, 20^2\})$	1536000000
20	$\mathcal{O}(3; \{2, 4^2, 5, 20^2\})$	6144000000
20	$\mathcal{O}(3; \{2^2, 10^2, 20^2\})$	6656000000
20	$\mathcal{O}(3; \{10, 20^4\})$	104448000000
20	$\mathcal{O}(2; \{2^4, 4^2, 5^4\})$	16640000
20	$\mathcal{O}(2; \{2, 4^4, 5^4\})$	66560000
20	$\mathcal{O}(2; \{2^7, 4^2, 5, 10\})$	1280000
20	$\mathcal{O}(2; \{2^4, 4^4, 5, 10\})$	5120000
20	$\mathcal{O}(2; \{2, 4^6, 5, 10\})$	20480000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^3, 10^2\})$	65280000
20	$\mathcal{O}(2; \{2^5, 4^2, 10^3\})$	3840000
20	$\mathcal{O}(2; \{2^2, 4^4, 10^3\})$	15360000
20	$\mathcal{O}(2; \{4^2, 5^2, 10^4\})$	262400000
20	$\mathcal{O}(2; \{2^2, 4, 5^5, 20\})$	262400000
20	$\mathcal{O}(2; \{2^5, 4, 5^2, 10, 20\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^3, 5^2, 10, 20\})$	66560000
20	$\mathcal{O}(2; \{4, 5^4, 10^2, 20\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 4, 5, 10^3, 20\})$	65280000
20	$\mathcal{O}(2; \{4^3, 5, 10^3, 20\})$	261120000
20	$\mathcal{O}(2; \{2, 4, 10^5, 20\})$	262400000
20	$\mathcal{O}(2; \{2^8, 5, 20^2\})$	3840000
20	$\mathcal{O}(2; \{2^5, 4^2, 5, 20^2\})$	15360000
20	$\mathcal{O}(2; \{2^2, 4^4, 5, 20^2\})$	61440000
20	$\mathcal{O}(2; \{5^6, 20^2\})$	4194560000
20	$\mathcal{O}(2; \{2^3, 5^3, 10, 20^2\})$	262400000
20	$\mathcal{O}(2; \{4^2, 5^3, 10, 20^2\})$	1049600000
20	$\mathcal{O}(2; \{2^6, 10^2, 20^2\})$	16640000
20	$\mathcal{O}(2; \{2^3, 4^2, 10^2, 20^2\})$	66560000
20	$\mathcal{O}(2; \{4^4, 10^2, 20^2\})$	266240000
20	$\mathcal{O}(2; \{2, 5^2, 10^3, 20^2\})$	1048320000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^3, 4, 5^2, 20^3\})$	261120000
20	$\mathcal{O}(2; \{4^3, 5^2, 20^3\})$	1044480000
20	$\mathcal{O}(2; \{2, 4, 5, 10^2, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2, 5^3, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{2^4, 10, 20^4\})$	261120000
20	$\mathcal{O}(2; \{2, 4^2, 10, 20^4\})$	1044480000
20	$\mathcal{O}(2; \{2^2, 20^6\})$	4198400000
20	$\mathcal{O}(1; \{2^8, 4^2, 5^4\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^4, 5^4\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^6, 5^4\})$	665600
20	$\mathcal{O}(1; \{4^2, 5^9\})$	41942400
20	$\mathcal{O}(1; \{2^{11}, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{2^8, 4^4, 5, 10\})$	12800
20	$\mathcal{O}(1; \{2^5, 4^6, 5, 10\})$	51200
20	$\mathcal{O}(1; \{2^2, 4^8, 5, 10\})$	204800
20	$\mathcal{O}(1; \{2^3, 4^2, 5^6, 10\})$	2620800
20	$\mathcal{O}(1; \{4^4, 5^6, 10\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4^2, 5^3, 10^2\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^4, 5^3, 10^2\})$	652800
20	$\mathcal{O}(1; \{4^6, 5^3, 10^2\})$	2611200
20	$\mathcal{O}(1; \{2^9, 4^2, 10^3\})$	9600
20	$\mathcal{O}(1; \{2^6, 4^4, 10^3\})$	38400
20	$\mathcal{O}(1; \{2^3, 4^6, 10^3\})$	153600
20	$\mathcal{O}(1; \{4^8, 10^3\})$	614400
20	$\mathcal{O}(1; \{2, 4^2, 5^5, 10^3\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4^2, 5^2, 10^4\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5^2, 10^4\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10^6\})$	2620800
20	$\mathcal{O}(1; \{4^2, 10^8\})$	10486400
20	$\mathcal{O}(1; \{2^6, 4, 5^5, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^3, 5^5, 20\})$	2624000
20	$\mathcal{O}(1; \{4^5, 5^5, 20\})$	10496000
20	$\mathcal{O}(1; \{2^9, 4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^3, 5^2, 10, 20\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^5, 5^2, 10, 20\})$	665600
20	$\mathcal{O}(1; \{4^7, 5^2, 10, 20\})$	2662400
20	$\mathcal{O}(1; \{2, 4, 5^7, 10, 20\})$	41942400
20	$\mathcal{O}(1; \{2^4, 4, 5^4, 10^2, 20\})$	2620800
20	$\mathcal{O}(1; \{2, 4^3, 5^4, 10^2, 20\})$	10483200
20	$\mathcal{O}(1; \{2^7, 4, 5, 10^3, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^3, 5, 10^3, 20\})$	652800
20	$\mathcal{O}(1; \{2, 4^5, 5, 10^3, 20\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4, 5^3, 10^4, 20\})$	10486400

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^5, 4, 10^5, 20\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^3, 10^5, 20\})$	2624000
20	$\mathcal{O}(1; \{4, 5^2, 10^6, 20\})$	41942400
20	$\mathcal{O}(1; \{2^{12}, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^9, 4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^6, 4^4, 5, 20^2\})$	153600
20	$\mathcal{O}(1; \{2^3, 4^6, 5, 20^2\})$	614400
20	$\mathcal{O}(1; \{4^8, 5, 20^2\})$	2457600
20	$\mathcal{O}(1; \{2^4, 5^6, 20^2\})$	10486400
20	$\mathcal{O}(1; \{2, 4^2, 5^6, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^7, 5^3, 10, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^3, 10, 20^2\})$	2624000
20	$\mathcal{O}(1; \{2, 4^4, 5^3, 10, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^{10}, 10^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2^7, 4^2, 10^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^4, 4^4, 10^2, 20^2\})$	665600
20	$\mathcal{O}(1; \{2, 4^6, 10^2, 20^2\})$	2662400
20	$\mathcal{O}(1; \{2^2, 5^5, 10^2, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 5^2, 10^3, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2, 10^3, 20^2\})$	10483200
20	$\mathcal{O}(1; \{5^4, 10^4, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^3, 5, 10^5, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 5, 10^5, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2, 10^7, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^7, 4, 5^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^4, 4^3, 5^2, 20^3\})$	2611200
20	$\mathcal{O}(1; \{2, 4^5, 5^2, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2^2, 4, 5^4, 10, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^5, 4, 5, 10^2, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^3, 5, 10^2, 20^3\})$	10496000
20	$\mathcal{O}(1; \{4, 5^3, 10^3, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^3, 4, 10^4, 20^3\})$	10483200
20	$\mathcal{O}(1; \{4^3, 10^4, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2^5, 5^3, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2^2, 4^2, 5^3, 20^4\})$	41932800
20	$\mathcal{O}(1; \{2^8, 10, 20^4\})$	652800
20	$\mathcal{O}(1; \{2^5, 4^2, 10, 20^4\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4^4, 10, 20^4\})$	10444800
20	$\mathcal{O}(1; \{5^5, 10, 20^4\})$	671091200
20	$\mathcal{O}(1; \{2^3, 5^2, 10^2, 20^4\})$	41945600
20	$\mathcal{O}(1; \{4^2, 5^2, 10^2, 20^4\})$	167782400
20	$\mathcal{O}(1; \{2, 5, 10^4, 20^4\})$	167769600
20	$\mathcal{O}(1; \{4, 5^4, 20^5\})$	671078400

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^3, 4, 5, 10, 20^5\})$	41932800
20	$\mathcal{O}(1; \{4^3, 5, 10, 20^5\})$	167731200
20	$\mathcal{O}(1; \{2, 4, 10^3, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^6, 20^6\})$	10496000
20	$\mathcal{O}(1; \{2^3, 4^2, 20^6\})$	41984000
20	$\mathcal{O}(1; \{4^4, 20^6\})$	167936000
20	$\mathcal{O}(1; \{2, 5^2, 10, 20^6\})$	671078400
20	$\mathcal{O}(1; \{2, 4, 5, 20^7\})$	671129600
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2^9, 4^4, 5^4\})$	416
20	$\mathcal{O}(0; \{2^6, 4^6, 5^4\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^8, 5^4\})$	6656
20	$\mathcal{O}(0; \{4^{10}, 5^4\})$	26624
20	$\mathcal{O}(0; \{2^4, 4^2, 5^9\})$	104856
20	$\mathcal{O}(0; \{2, 4^4, 5^9\})$	419424
20	$\mathcal{O}(0; \{2^{15}, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^{12}, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2^9, 4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{2^6, 4^8, 5, 10\})$	512
20	$\mathcal{O}(0; \{2^3, 4^{10}, 5, 10\})$	2048
20	$\mathcal{O}(0; \{4^{12}, 5, 10\})$	8192
20	$\mathcal{O}(0; \{2^7, 4^2, 5^6, 10\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^4, 5^6, 10\})$	26208
20	$\mathcal{O}(0; \{2, 4^6, 5^6, 10\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{2^7, 4^4, 5^3, 10^2\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^6, 5^3, 10^2\})$	6528
20	$\mathcal{O}(0; \{2, 4^8, 5^3, 10^2\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^2, 5^8, 10^2\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2^{10}, 4^4, 10^3\})$	96
20	$\mathcal{O}(0; \{2^7, 4^6, 10^3\})$	384
20	$\mathcal{O}(0; \{2^4, 4^8, 10^3\})$	1536
20	$\mathcal{O}(0; \{2, 4^{10}, 10^3\})$	6144
20	$\mathcal{O}(0; \{2^5, 4^2, 5^5, 10^3\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^5, 10^3\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 5^2, 10^4\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5^2, 10^4\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 5^2, 10^4\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^7, 10^4\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4^2, 5^4, 10^5\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^4, 10^5\})$	419424
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 10^6\})$	6552

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 10^6\})$	26208
20	$\mathcal{O}(0; \{4^6, 5, 10^6\})$	104832
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10^7\})$	419432
20	$\mathcal{O}(0; \{2^4, 4^2, 10^8\})$	26216
20	$\mathcal{O}(0; \{2, 4^4, 10^8\})$	104864
20	$\mathcal{O}(0; \{2^{10}, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^3, 5^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^5, 5^5, 20\})$	26240
20	$\mathcal{O}(0; \{2, 4^7, 5^5, 20\})$	104960
20	$\mathcal{O}(0; \{2^2, 4, 5^{10}, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{13}, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{2^7, 4^5, 5^2, 10, 20\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^7, 5^2, 10, 20\})$	6656
20	$\mathcal{O}(0; \{2, 4^9, 5^2, 10, 20\})$	26624
20	$\mathcal{O}(0; \{2^5, 4, 5^7, 10, 20\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^3, 5^7, 10, 20\})$	419424
20	$\mathcal{O}(0; \{2^8, 4, 5^4, 10^2, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^3, 5^4, 10^2, 20\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^5, 5^4, 10^2, 20\})$	104832
20	$\mathcal{O}(0; \{4, 5^9, 10^2, 20\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{2^8, 4^3, 5, 10^3, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^5, 5, 10^3, 20\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^7, 5, 10^3, 20\})$	26112
20	$\mathcal{O}(0; \{2^3, 4, 5^6, 10^3, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^6, 10^3, 20\})$	1677728
20	$\mathcal{O}(0; \{2^6, 4, 5^3, 10^4, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^3, 10^4, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^3, 10^4, 20\})$	419456
20	$\mathcal{O}(0; \{2^9, 4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^3, 10^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^5, 10^5, 20\})$	26240
20	$\mathcal{O}(0; \{4^7, 10^5, 20\})$	104960
20	$\mathcal{O}(0; \{2, 4, 5^5, 10^5, 20\})$	1677720
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 10^6, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 10^6, 20\})$	419424
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^8, 20\})$	419432
20	$\mathcal{O}(0; \{4, 10^{10}, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{16}, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^{13}, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2^{10}, 4^4, 5, 20^2\})$	384
20	$\mathcal{O}(0; \{2^7, 4^6, 5, 20^2\})$	1536

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^4, 4^8, 5, 20^2\})$	6144
20	$\mathcal{O}(0; \{2, 4^{10}, 5, 20^2\})$	24576
20	$\mathcal{O}(0; \{2^8, 5^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^5, 4^2, 5^6, 20^2\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^4, 5^6, 20^2\})$	419456
20	$\mathcal{O}(0; \{5^{11}, 20^2\})$	26843544
20	$\mathcal{O}(0; \{2^{11}, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^8, 4^2, 5^3, 10, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^4, 5^3, 10, 20^2\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^6, 5^3, 10, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^3, 5^8, 10, 20^2\})$	1677720
20	$\mathcal{O}(0; \{4^2, 5^8, 10, 20^2\})$	6710880
20	$\mathcal{O}(0; \{2^{14}, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^{11}, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2^8, 4^4, 10^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^5, 4^6, 10^2, 20^2\})$	6656
20	$\mathcal{O}(0; \{2^2, 4^8, 10^2, 20^2\})$	26624
20	$\mathcal{O}(0; \{2^6, 5^5, 10^2, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 4^2, 5^5, 10^2, 20^2\})$	419424
20	$\mathcal{O}(0; \{4^4, 5^5, 10^2, 20^2\})$	1677696
20	$\mathcal{O}(0; \{2^9, 5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2, 10^3, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2, 10^3, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 5^2, 10^3, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^7, 10^3, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^4, 5^4, 10^4, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10^4, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^7, 5, 10^5, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10^5, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 5, 10^5, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^2, 5^3, 10^6, 20^2\})$	1677720
20	$\mathcal{O}(0; \{2^5, 10^7, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^2, 10^7, 20^2\})$	419424
20	$\mathcal{O}(0; \{5^2, 10^8, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^8, 4^3, 5^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^5, 4^5, 5^2, 20^3\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^7, 5^2, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^3, 4, 5^7, 20^3\})$	1677728
20	$\mathcal{O}(0; \{4^3, 5^7, 20^3\})$	6710912
20	$\mathcal{O}(0; \{2^6, 4, 5^4, 10, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^3, 5^4, 10, 20^3\})$	419456
20	$\mathcal{O}(0; \{4^5, 5^4, 10, 20^3\})$	1677824

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^9, 4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^3, 5, 10^2, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^5, 5, 10^2, 20^3\})$	104960
20	$\mathcal{O}(0; \{4^7, 5, 10^2, 20^3\})$	419840
20	$\mathcal{O}(0; \{2, 4, 5^6, 10^2, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^4, 4, 5^3, 10^3, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5^3, 10^3, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^7, 4, 10^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^3, 10^4, 20^3\})$	104832
20	$\mathcal{O}(0; \{2, 4^5, 10^4, 20^3\})$	419328
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10^5, 20^3\})$	1677728
20	$\mathcal{O}(0; \{4, 5, 10^7, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^9, 5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^6, 4^2, 5^3, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^4, 5^3, 20^4\})$	419328
20	$\mathcal{O}(0; \{4^6, 5^3, 20^4\})$	1677312
20	$\mathcal{O}(0; \{2, 5^8, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^{12}, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^9, 4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^6, 4^4, 10, 20^4\})$	26112
20	$\mathcal{O}(0; \{2^3, 4^6, 10, 20^4\})$	104448
20	$\mathcal{O}(0; \{4^8, 10, 20^4\})$	417792
20	$\mathcal{O}(0; \{2^4, 5^5, 10, 20^4\})$	1677728
20	$\mathcal{O}(0; \{2, 4^2, 5^5, 10, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^7, 5^2, 10^2, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10^2, 20^4\})$	419456
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10^2, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^2, 5^4, 10^3, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 5, 10^4, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^4, 20^4\})$	1677696
20	$\mathcal{O}(0; \{5^3, 10^5, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^3, 10^6, 20^4\})$	1677728
20	$\mathcal{O}(0; \{4^2, 10^6, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^4, 4, 5^4, 20^5\})$	1677696
20	$\mathcal{O}(0; \{2, 4^3, 5^4, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^7, 4, 5, 10, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^4, 4^3, 5, 10, 20^5\})$	419328
20	$\mathcal{O}(0; \{2, 4^5, 5, 10, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 10^2, 20^5\})$	6710912
20	$\mathcal{O}(0; \{2^5, 4, 10^3, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^2, 4^3, 10^3, 20^5\})$	1677824
20	$\mathcal{O}(0; \{4, 5^2, 10^4, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^{10}, 20^6\})$	26240

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^7, 4^2, 20^6\})$	104960
20	$\mathcal{O}(0; \{2^4, 4^4, 20^6\})$	419840
20	$\mathcal{O}(0; \{2, 4^6, 20^6\})$	1679360
20	$\mathcal{O}(0; \{2^2, 5^5, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^5, 5^2, 10, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10, 20^6\})$	6710784
20	$\mathcal{O}(0; \{5^4, 10^2, 20^6\})$	107374208
20	$\mathcal{O}(0; \{2^3, 5, 10^3, 20^6\})$	6710912
20	$\mathcal{O}(0; \{4^2, 5, 10^3, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2, 10^5, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^5, 4, 5, 20^7\})$	1677824
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 20^7\})$	6711296
20	$\mathcal{O}(0; \{4, 5^3, 10, 20^7\})$	107374080
20	$\mathcal{O}(0; \{2^3, 4, 10^2, 20^7\})$	6710784
20	$\mathcal{O}(0; \{4^3, 10^2, 20^7\})$	26843136
20	$\mathcal{O}(0; \{2^3, 5^2, 20^8\})$	26843648
20	$\mathcal{O}(0; \{4^2, 5^2, 20^8\})$	107374592
20	$\mathcal{O}(0; \{2, 5, 10^2, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2, 4, 10, 20^9\})$	107374592
21	$\mathcal{O}(3; \{7^5\})$	95069803920
21	$\mathcal{O}(3; \{3, 7^2, 21^2\})$	31904997012
21	$\mathcal{O}(2; \{3^3, 7^5\})$	431747820
21	$\mathcal{O}(2; \{3^4, 7^2, 21^2\})$	795816252
21	$\mathcal{O}(2; \{7^4, 21^3\})$	15554590380
21	$\mathcal{O}(2; \{3, 7, 21^5\})$	28521027612
21	$\mathcal{O}(1; \{3^6, 7^5\})$	10769220
21	$\mathcal{O}(1; \{3^2, 7^7, 21\})$	211632372
21	$\mathcal{O}(1; \{3^7, 7^2, 21^2\})$	13944420
21	$\mathcal{O}(1; \{3^3, 7^4, 21^3\})$	387982980
21	$\mathcal{O}(1; \{3^4, 7, 21^5\})$	499750020
21	$\mathcal{O}(1; \{7^3, 21^6\})$	13967678340
21	$\mathcal{O}(1; \{3, 21^8\})$	17988751620
21	$\mathcal{O}(0; \{3^9, 7^5\})$	188700
21	$\mathcal{O}(0; \{3^5, 7^7, 21\})$	5278812
21	$\mathcal{O}(0; \{3^{10}, 7^2, 21^2\})$	254076
21	$\mathcal{O}(0; \{3, 7^9, 21^2\})$	103656300
21	$\mathcal{O}(0; \{3^6, 7^4, 21^3\})$	6798300
21	$\mathcal{O}(0; \{3^2, 7^6, 21^4\})$	190036572
21	$\mathcal{O}(0; \{3^7, 7, 21^5\})$	9105756
21	$\mathcal{O}(0; \{3^3, 7^3, 21^6\})$	244743900
21	$\mathcal{O}(0; \{3^4, 21^8\})$	327766236
21	$\mathcal{O}(0; \{7^2, 21^9\})$	8810785500
22	$\mathcal{O}(4; \{22^2\})$	548758735360

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
22	$\mathcal{O}(3; \{2^4, 22^2\})$	1133799040
22	$\mathcal{O}(2; \{2^8, 22^2\})$	2342560
22	$\mathcal{O}(1; \{2^3, 11^6, 22\})$	439999560
22	$\mathcal{O}(1; \{2^{12}, 22^2\})$	4840
22	$\mathcal{O}(1; \{2, 11^5, 22^3\})$	440000440
22	$\mathcal{O}(0; \{2^7, 11^6, 22\})$	909090
22	$\mathcal{O}(0; \{2^{16}, 22^2\})$	10
22	$\mathcal{O}(0; \{2^5, 11^5, 22^3\})$	9090910
22	$\mathcal{O}(0; \{2^3, 11^4, 22^5\})$	90909090
22	$\mathcal{O}(0; \{2, 11^3, 22^7\})$	909090910
23	$\mathcal{O}(0; \{23^{10}\})$	1154779251802
24	$\mathcal{O}(3; \{2^3, 8^2\})$	763363328
24	$\mathcal{O}(3; \{4^2, 8^2\})$	3053453312
24	$\mathcal{O}(3; \{3, 6, 8^2\})$	1528823808
24	$\mathcal{O}(3; \{3, 4, 8, 24\})$	3057647616
24	$\mathcal{O}(3; \{2, 8, 12, 24\})$	3057647616
24	$\mathcal{O}(3; \{3^2, 24^2\})$	4586471424
24	$\mathcal{O}(3; \{2, 6, 24^2\})$	1528823808
24	$\mathcal{O}(2; \{2^7, 8^2\})$	1310720
24	$\mathcal{O}(2; \{2^3, 3^3, 8^2\})$	2654208
24	$\mathcal{O}(2; \{2^4, 4^2, 8^2\})$	5242880
24	$\mathcal{O}(2; \{3^3, 4^2, 8^2\})$	10616832
24	$\mathcal{O}(2; \{2, 4^4, 8^2\})$	20971520
24	$\mathcal{O}(2; \{2^4, 3, 6, 8^2\})$	2654208
24	$\mathcal{O}(2; \{3^4, 6, 8^2\})$	13271040
24	$\mathcal{O}(2; \{2, 3, 4^2, 6, 8^2\})$	10616832
24	$\mathcal{O}(2; \{2, 3^2, 6^2, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2^2, 6^3, 8^2\})$	2654208
24	$\mathcal{O}(2; \{2^2, 4, 8^4\})$	41943040
24	$\mathcal{O}(2; \{8^6\})$	335544320
24	$\mathcal{O}(2; \{2, 3^2, 4, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{2^2, 4, 6, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{6, 8^4, 12\})$	84934656
24	$\mathcal{O}(2; \{2^2, 3, 8^2, 12^2\})$	10616832
24	$\mathcal{O}(2; \{6^2, 8^2, 12^2\})$	31850496
24	$\mathcal{O}(2; \{4, 8^2, 12^3\})$	42467328
24	$\mathcal{O}(2; \{2^4, 3, 4, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{3^4, 4, 8, 24\})$	26542080
24	$\mathcal{O}(2; \{2, 3, 4^3, 8, 24\})$	21233664
24	$\mathcal{O}(2; \{2, 3^2, 4, 6, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{2^2, 4, 6^2, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{2^2, 3, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{6^2, 8^3, 24\})$	42467328

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^5, 8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{2, 3^3, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{2^2, 4^2, 8, 12, 24\})$	21233664
24	$\mathcal{O}(2; \{2^2, 3, 6, 8, 12, 24\})$	15925248
24	$\mathcal{O}(2; \{6^3, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{4, 8^3, 12, 24\})$	169869312
24	$\mathcal{O}(2; \{4, 6, 8, 12^2, 24\})$	63700992
24	$\mathcal{O}(2; \{3, 8, 12^3, 24\})$	106168320
24	$\mathcal{O}(2; \{2^4, 3^2, 24^2\})$	7962624
24	$\mathcal{O}(2; \{3^5, 24^2\})$	55738368
24	$\mathcal{O}(2; \{2, 3^2, 4^2, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2^5, 6, 24^2\})$	2654208
24	$\mathcal{O}(2; \{2, 3^3, 6, 24^2\})$	29196288
24	$\mathcal{O}(2; \{2^2, 4^2, 6, 24^2\})$	10616832
24	$\mathcal{O}(2; \{2^2, 3, 6^2, 24^2\})$	13271040
24	$\mathcal{O}(2; \{6^4, 24^2\})$	29196288
24	$\mathcal{O}(2; \{4, 6, 8^2, 24^2\})$	84934656
24	$\mathcal{O}(2; \{2^2, 3, 4, 12, 24^2\})$	31850496
24	$\mathcal{O}(2; \{4, 6^2, 12, 24^2\})$	53084160
24	$\mathcal{O}(2; \{3, 8^2, 12, 24^2\})$	254803968
24	$\mathcal{O}(2; \{2^3, 12^2, 24^2\})$	31850496
24	$\mathcal{O}(2; \{4^2, 12^2, 24^2\})$	127401984
24	$\mathcal{O}(2; \{3, 6, 12^2, 24^2\})$	116785152
24	$\mathcal{O}(2; \{2^3, 8, 24^3\})$	42467328
24	$\mathcal{O}(2; \{4^2, 8, 24^3\})$	169869312
24	$\mathcal{O}(2; \{3, 6, 8, 24^3\})$	212336640
24	$\mathcal{O}(2; \{3, 4, 24^4\})$	424673280
24	$\mathcal{O}(2; \{2, 12, 24^4\})$	424673280
24	$\mathcal{O}(1; \{2^{11}, 8^2\})$	2048
24	$\mathcal{O}(1; \{2^7, 3^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^6, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^8, 4^2, 8^2\})$	8192
24	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^6, 4^2, 8^2\})$	202752
24	$\mathcal{O}(1; \{2^5, 4^4, 8^2\})$	32768
24	$\mathcal{O}(1; \{2, 3^3, 4^4, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 4^6, 8^2\})$	131072
24	$\mathcal{O}(1; \{2^8, 3, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^4, 6, 8^2\})$	23040
24	$\mathcal{O}(1; \{3^7, 6, 8^2\})$	198144
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 8^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 8^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 8^2\})$	73728

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3^5, 6^2, 8^2\})$	96768
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 8^2\})$	55296
24	$\mathcal{O}(1; \{2^6, 6^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 8^2\})$	18432
24	$\mathcal{O}(1; \{4^4, 6^3, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^3, 3, 6^4, 8^2\})$	23040
24	$\mathcal{O}(1; \{3, 4^2, 6^4, 8^2\})$	92160
24	$\mathcal{O}(1; \{3^2, 6^5, 8^2\})$	96768
24	$\mathcal{O}(1; \{2, 6^6, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^6, 4, 8^4\})$	65536
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^3, 4^3, 8^4\})$	262144
24	$\mathcal{O}(1; \{4^5, 8^4\})$	1048576
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 8^4\})$	147456
24	$\mathcal{O}(1; \{3, 4^3, 6, 8^4\})$	589824
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 8^4\})$	442368
24	$\mathcal{O}(1; \{2, 4, 6^3, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^4, 8^6\})$	524288
24	$\mathcal{O}(1; \{3^3, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2, 4^2, 8^6\})$	2097152
24	$\mathcal{O}(1; \{2, 3, 6, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2, 3^5, 4, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2^6, 4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^3, 4^3, 6, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{4^5, 6, 8^2, 12\})$	294912
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{3, 4^3, 6^2, 8^2, 12\})$	221184
24	$\mathcal{O}(1; \{3^2, 4, 6^3, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2, 4, 6^4, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^3, 3^2, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{3^2, 4^2, 8^4, 12\})$	589824
24	$\mathcal{O}(1; \{2^4, 6, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{3^3, 6, 8^4, 12\})$	737280
24	$\mathcal{O}(1; \{2, 4^2, 6, 8^4, 12\})$	589824
24	$\mathcal{O}(1; \{2, 3, 6^2, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^6, 3, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^4, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 8^2, 12^2\})$	73728

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 4^4, 8^2, 12^2\})$	294912
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8^2, 12^2\})$	368640
24	$\mathcal{O}(1; \{2^4, 6^2, 8^2, 12^2\})$	55296
24	$\mathcal{O}(1; \{3^3, 6^2, 8^2, 12^2\})$	387072
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8^2, 12^2\})$	221184
24	$\mathcal{O}(1; \{2, 3, 6^3, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2, 3, 4, 8^4, 12^2\})$	589824
24	$\mathcal{O}(1; \{2^4, 4, 8^2, 12^3\})$	73728
24	$\mathcal{O}(1; \{3^3, 4, 8^2, 12^3\})$	811008
24	$\mathcal{O}(1; \{2, 4^3, 8^2, 12^3\})$	294912
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8^2, 12^3\})$	368640
24	$\mathcal{O}(1; \{2^2, 8^4, 12^3\})$	589824
24	$\mathcal{O}(1; \{2, 3^2, 8^2, 12^4\})$	811008
24	$\mathcal{O}(1; \{2^2, 6, 8^2, 12^4\})$	368640
24	$\mathcal{O}(1; \{8^2, 12^6\})$	3244032
24	$\mathcal{O}(1; \{2^8, 3, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^4, 4, 8, 24\})$	46080
24	$\mathcal{O}(1; \{3^7, 4, 8, 24\})$	396288
24	$\mathcal{O}(1; \{2^5, 3, 4^3, 8, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3^4, 4^3, 8, 24\})$	184320
24	$\mathcal{O}(1; \{2^2, 3, 4^5, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 6, 8, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3^5, 4, 6, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6, 8, 24\})$	110592
24	$\mathcal{O}(1; \{2^6, 4, 6^2, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^2, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 4^3, 6^2, 8, 24\})$	36864
24	$\mathcal{O}(1; \{4^5, 6^2, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^3, 8, 24\})$	46080
24	$\mathcal{O}(1; \{3, 4^3, 6^3, 8, 24\})$	184320
24	$\mathcal{O}(1; \{3^2, 4, 6^4, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2, 4, 6^5, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^6, 3, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^4, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{3, 4^4, 8^3, 24\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8^3, 24\})$	884736
24	$\mathcal{O}(1; \{2^4, 6^2, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{3^3, 6^2, 8^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2, 3, 6^3, 8^3, 24\})$	368640

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3, 4, 8^5, 24\})$	2359296
24	$\mathcal{O}(1; \{2^9, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^5, 3^3, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{2, 3^6, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2^6, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2^3, 4^4, 8, 12, 24\})$	147456
24	$\mathcal{O}(1; \{4^6, 8, 12, 24\})$	589824
24	$\mathcal{O}(1; \{2^6, 3, 6, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^4, 6, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6, 8, 12, 24\})$	110592
24	$\mathcal{O}(1; \{3, 4^4, 6, 8, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{3^2, 4^2, 6^2, 8, 12, 24\})$	405504
24	$\mathcal{O}(1; \{2^4, 6^3, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{3^3, 6^3, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2, 4^2, 6^3, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2, 3, 6^4, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^4, 4, 8^3, 12, 24\})$	294912
24	$\mathcal{O}(1; \{3^3, 4, 8^3, 12, 24\})$	1474560
24	$\mathcal{O}(1; \{2, 4^3, 8^3, 12, 24\})$	1179648
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8^3, 12, 24\})$	884736
24	$\mathcal{O}(1; \{2^2, 8^5, 12, 24\})$	2359296
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8, 12^2, 24\})$	184320
24	$\mathcal{O}(1; \{3^2, 4^3, 8, 12^2, 24\})$	737280
24	$\mathcal{O}(1; \{2^4, 4, 6, 8, 12^2, 24\})$	110592
24	$\mathcal{O}(1; \{3^3, 4, 6, 8, 12^2, 24\})$	774144
24	$\mathcal{O}(1; \{2, 4^3, 6, 8, 12^2, 24\})$	442368
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2, 3^2, 8^3, 12^2, 24\})$	1474560
24	$\mathcal{O}(1; \{2^2, 6, 8^3, 12^2, 24\})$	884736
24	$\mathcal{O}(1; \{2^4, 3, 8, 12^3, 24\})$	184320
24	$\mathcal{O}(1; \{3^4, 8, 12^3, 24\})$	1585152
24	$\mathcal{O}(1; \{2, 3, 4^2, 8, 12^3, 24\})$	737280
24	$\mathcal{O}(1; \{2, 3^2, 6, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{2^2, 6^2, 8, 12^3, 24\})$	405504
24	$\mathcal{O}(1; \{2^2, 4, 8, 12^4, 24\})$	737280
24	$\mathcal{O}(1; \{8^3, 12^4, 24\})$	5898240
24	$\mathcal{O}(1; \{6, 8, 12^5, 24\})$	3096576
24	$\mathcal{O}(1; \{2^8, 3^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^4, 3^5, 24^2\})$	96768
24	$\mathcal{O}(1; \{3^8, 24^2\})$	787968
24	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 24^2\})$	55296

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^5, 4^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^9, 6, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^5, 3^3, 6, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 3^6, 6, 24^2\})$	391680
24	$\mathcal{O}(1; \{2^6, 4^2, 6, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^3, 4^4, 6, 24^2\})$	73728
24	$\mathcal{O}(1; \{4^6, 6, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^6, 3, 6^2, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{3, 4^4, 6^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 24^2\})$	96768
24	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^4, 6^4, 24^2\})$	50688
24	$\mathcal{O}(1; \{3^3, 6^4, 24^2\})$	391680
24	$\mathcal{O}(1; \{2, 4^2, 6^4, 24^2\})$	202752
24	$\mathcal{O}(1; \{2, 3, 6^5, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{3^2, 4^3, 8^2, 24^2\})$	1769472
24	$\mathcal{O}(1; \{2^4, 4, 6, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{3^3, 4, 6, 8^2, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2, 4^3, 6, 8^2, 24^2\})$	589824
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2, 3^2, 8^4, 24^2\})$	3538944
24	$\mathcal{O}(1; \{2^2, 6, 8^4, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2^6, 3, 4, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^4, 4, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^3, 3, 4^3, 12, 24^2\})$	221184
24	$\mathcal{O}(1; \{3, 4^5, 12, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 12, 24^2\})$	202752
24	$\mathcal{O}(1; \{3^2, 4^3, 6, 12, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^4, 4, 6^2, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{3^3, 4, 6^2, 12, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 4^3, 6^2, 12, 24^2\})$	368640
24	$\mathcal{O}(1; \{2, 3, 4, 6^3, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^4, 3, 8^2, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{3^4, 8^2, 12, 24^2\})$	3096576
24	$\mathcal{O}(1; \{2, 3, 4^2, 8^2, 12, 24^2\})$	1769472
24	$\mathcal{O}(1; \{2, 3^2, 6, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^2, 6^2, 8^2, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^7, 12^2, 24^2\})$	55296

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 3^3, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^4, 4^2, 12^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{3^3, 4^2, 12^2, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 4^4, 12^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^4, 3, 6, 12^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{3^4, 6, 12^2, 24^2\})$	1566720
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 12^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^2, 6^3, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 4, 8^2, 12^2, 24^2\})$	1769472
24	$\mathcal{O}(1; \{8^4, 12^2, 24^2\})$	14155776
24	$\mathcal{O}(1; \{2, 3^2, 4, 12^3, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2^2, 4, 6, 12^3, 24^2\})$	811008
24	$\mathcal{O}(1; \{6, 8^2, 12^3, 24^2\})$	6488064
24	$\mathcal{O}(1; \{2^2, 3, 12^4, 24^2\})$	1548288
24	$\mathcal{O}(1; \{6^2, 12^4, 24^2\})$	3170304
24	$\mathcal{O}(1; \{4, 12^5, 24^2\})$	6193152
24	$\mathcal{O}(1; \{2^7, 8, 24^3\})$	73728
24	$\mathcal{O}(1; \{2^3, 3^3, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{2^4, 4^2, 8, 24^3\})$	294912
24	$\mathcal{O}(1; \{3^3, 4^2, 8, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2, 4^4, 8, 24^3\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3, 6, 8, 24^3\})$	368640
24	$\mathcal{O}(1; \{3^4, 6, 8, 24^3\})$	3170304
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 8, 24^3\})$	1474560
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2^2, 6^3, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{2^2, 4, 8^3, 24^3\})$	2359296
24	$\mathcal{O}(1; \{8^5, 24^3\})$	18874368
24	$\mathcal{O}(1; \{2, 3^2, 4, 8, 12, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2^2, 4, 6, 8, 12, 24^3\})$	1474560
24	$\mathcal{O}(1; \{6, 8^3, 12, 24^3\})$	11796480
24	$\mathcal{O}(1; \{2^2, 3, 8, 12^2, 24^3\})$	3244032
24	$\mathcal{O}(1; \{6^2, 8, 12^2, 24^3\})$	6193152
24	$\mathcal{O}(1; \{4, 8, 12^3, 24^3\})$	12976128
24	$\mathcal{O}(1; \{2^4, 3, 4, 24^4\})$	737280
24	$\mathcal{O}(1; \{3^4, 4, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2, 3, 4^3, 24^4\})$	2949120
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 24^4\})$	1622016
24	$\mathcal{O}(1; \{2^2, 3, 8^2, 24^4\})$	5898240
24	$\mathcal{O}(1; \{6^2, 8^2, 24^4\})$	12976128
24	$\mathcal{O}(1; \{2^5, 12, 24^4\})$	737280

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^3, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2^2, 4^2, 12, 24^4\})$	2949120
24	$\mathcal{O}(1; \{2^2, 3, 6, 12, 24^4\})$	3096576
24	$\mathcal{O}(1; \{6^3, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{4, 8^2, 12, 24^4\})$	23592960
24	$\mathcal{O}(1; \{4, 6, 12^2, 24^4\})$	12386304
24	$\mathcal{O}(1; \{3, 12^3, 24^4\})$	25362432
24	$\mathcal{O}(1; \{4, 6, 8, 24^5\})$	25952256
24	$\mathcal{O}(1; \{3, 8, 12, 24^5\})$	49545216
24	$\mathcal{O}(1; \{2^3, 24^6\})$	12976128
24	$\mathcal{O}(1; \{4^2, 24^6\})$	51904512
24	$\mathcal{O}(1; \{3, 6, 24^6\})$	50724864
24	$\mathcal{O}(0; \{2^{11}, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^7, 3^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3^9, 8^2\})$	680
24	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 8^2\})$	352
24	$\mathcal{O}(0; \{3^9, 4^2, 8^2\})$	2720
24	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{2, 3^6, 4^4, 8^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 8^2\})$	512
24	$\mathcal{O}(0; \{2^{12}, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^8, 3^4, 6, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 3^7, 6, 8^2\})$	344
24	$\mathcal{O}(0; \{3^{10}, 6, 8^2\})$	2728
24	$\mathcal{O}(0; \{2^9, 3, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6, 8^2\})$	160
24	$\mathcal{O}(0; \{2, 3^7, 4^2, 6, 8^2\})$	1376
24	$\mathcal{O}(0; \{2^6, 3, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6, 8^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3, 4^6, 6, 8^2\})$	512
24	$\mathcal{O}(0; \{3, 4^8, 6, 8^2\})$	2048
24	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 8^2\})$	24
24	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^8, 6^2, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^2, 8^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^2, 8^2\})$	384
24	$\mathcal{O}(0; \{3^2, 4^6, 6^2, 8^2\})$	1536
24	$\mathcal{O}(0; \{2^{10}, 6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 8^2\})$	680
24	$\mathcal{O}(0; \{2^7, 4^2, 6^3, 8^2\})$	32

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^3, 8^2\})$	352
24	$\mathcal{O}(0; \{2^4, 4^4, 6^3, 8^2\})$	128
24	$\mathcal{O}(0; \{3^3, 4^4, 6^3, 8^2\})$	1408
24	$\mathcal{O}(0; \{2, 4^6, 6^3, 8^2\})$	512
24	$\mathcal{O}(0; \{2^7, 3, 6^4, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 8^2\})$	344
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^4, 8^2\})$	160
24	$\mathcal{O}(0; \{3^4, 4^2, 6^4, 8^2\})$	1376
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^4, 8^2\})$	640
24	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 8^2\})$	168
24	$\mathcal{O}(0; \{3^5, 6^5, 8^2\})$	1368
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^5, 8^2\})$	672
24	$\mathcal{O}(0; \{2^5, 6^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^3, 6^6, 8^2\})$	680
24	$\mathcal{O}(0; \{2^2, 4^2, 6^6, 8^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3, 6^7, 8^2\})$	344
24	$\mathcal{O}(0; \{6^9, 8^2\})$	680
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 8^4\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^5, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^7, 3, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 8^4\})$	1024
24	$\mathcal{O}(0; \{3^4, 4^3, 6, 8^4\})$	5120
24	$\mathcal{O}(0; \{2, 3, 4^5, 6, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 8^4\})$	768
24	$\mathcal{O}(0; \{3^5, 4, 6^2, 8^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 8^4\})$	3072
24	$\mathcal{O}(0; \{2^5, 4, 6^3, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 8^4\})$	1024
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 8^4\})$	1280
24	$\mathcal{O}(0; \{4, 6^6, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^3, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^6, 8^6\})$	22528
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^6\})$	2048
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^6\})$	10240
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^6\})$	6144
24	$\mathcal{O}(0; \{2^3, 6^3, 8^6\})$	2048
24	$\mathcal{O}(0; \{4^2, 6^3, 8^6\})$	8192

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 6^4, 8^6\})$	10240
24	$\mathcal{O}(0; \{3, 4, 6, 8^8\})$	65536
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{2, 3^8, 4, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{3^2, 4^7, 8^2, 12\})$	2048
24	$\mathcal{O}(0; \{2^{10}, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^7, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2^4, 4^5, 6, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{3^3, 4^5, 6, 8^2, 12\})$	2560
24	$\mathcal{O}(0; \{2, 4^7, 6, 8^2, 12\})$	2048
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^2, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^2, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^2, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{3^4, 4^3, 6^2, 8^2, 12\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^2, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^3, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^5, 4, 6^3, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^3, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^5, 4, 6^4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^4, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^2, 4^3, 6^4, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^5, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{4, 6^7, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^7, 3^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 3^5, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3^5, 4^2, 8^4, 12\})$	11264
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^8, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{3^6, 6, 8^4, 12\})$	11008
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8^4, 12\})$	5376

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^3, 6^4, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{4^2, 6^4, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{3, 6^5, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^6, 12\})$	8192
24	$\mathcal{O}(0; \{4^3, 6, 8^6, 12\})$	32768
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^6, 12\})$	24576
24	$\mathcal{O}(0; \{3^2, 8^8, 12\})$	65536
24	$\mathcal{O}(0; \{2, 6, 8^8, 12\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 3, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^6, 3^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^7, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{3^4, 4^4, 8^2, 12^2\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4^6, 8^2, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8^2, 12^2\})$	5504
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^8, 6^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3^6, 6^2, 8^2, 12^2\})$	5472
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8^2, 12^2\})$	1536
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^3, 6^5, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{4^2, 6^5, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{3, 6^6, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^4, 12^2\})$	4096
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^4, 12^2\})$	3072
24	$\mathcal{O}(0; \{4^3, 6^2, 8^4, 12^2\})$	12288

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2^3, 3, 8^6, 12^2\})$	8192
24	$\mathcal{O}(0; \{3, 4^2, 8^6, 12^2\})$	32768
24	$\mathcal{O}(0; \{3^2, 6, 8^6, 12^2\})$	40960
24	$\mathcal{O}(0; \{2, 6^2, 8^6, 12^2\})$	24576
24	$\mathcal{O}(0; \{2^8, 4, 8^2, 12^3\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{3^6, 4, 8^2, 12^3\})$	10880
24	$\mathcal{O}(0; \{2^5, 4^3, 8^2, 12^3\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^5, 8^2, 12^3\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8^2, 12^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{4^3, 6^3, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{3, 4, 6^4, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2^6, 8^4, 12^3\})$	1024
24	$\mathcal{O}(0; \{2^2, 3^3, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2^3, 4^2, 8^4, 12^3\})$	4096
24	$\mathcal{O}(0; \{4^4, 8^4, 12^3\})$	16384
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^4, 12^3\})$	5120
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^4, 12^3\})$	20480
24	$\mathcal{O}(0; \{3^2, 6^2, 8^4, 12^3\})$	21504
24	$\mathcal{O}(0; \{2, 6^3, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2, 4, 8^6, 12^3\})$	32768
24	$\mathcal{O}(0; \{2^5, 3^2, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{2, 3^5, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^2, 12^4\})$	5632
24	$\mathcal{O}(0; \{2^6, 6, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^2, 12^4\})$	2560
24	$\mathcal{O}(0; \{4^4, 6, 8^2, 12^4\})$	10240
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^2, 12^4\})$	10752
24	$\mathcal{O}(0; \{3^2, 6^3, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2, 6^4, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{3^2, 4, 8^4, 12^4\})$	45056
24	$\mathcal{O}(0; \{2, 4, 6, 8^4, 12^4\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 12^5\})$	5632
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 12^5\})$	22528
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 12^5\})$	22016

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 12^5\})$	10752
24	$\mathcal{O}(0; \{2, 3, 8^4, 12^5\})$	45056
24	$\mathcal{O}(0; \{2^4, 8^2, 12^6\})$	5632
24	$\mathcal{O}(0; \{3^3, 8^2, 12^6\})$	43520
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12^6\})$	22528
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12^6\})$	22016
24	$\mathcal{O}(0; \{2^{12}, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^8, 3^4, 4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^7, 4, 8, 24\})$	688
24	$\mathcal{O}(0; \{3^{10}, 4, 8, 24\})$	5456
24	$\mathcal{O}(0; \{2^9, 3, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 8, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^7, 4^3, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2^6, 3, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^3, 3, 4^7, 8, 24\})$	1024
24	$\mathcal{O}(0; \{3, 4^9, 8, 24\})$	4096
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 6, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 6, 8, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^8, 4, 6, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6, 8, 24\})$	768
24	$\mathcal{O}(0; \{3^2, 4^7, 6, 8, 24\})$	3072
24	$\mathcal{O}(0; \{2^{10}, 4, 6^2, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^2, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^2, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^7, 4^3, 6^2, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^2, 8, 24\})$	704
24	$\mathcal{O}(0; \{2^4, 4^5, 6^2, 8, 24\})$	256
24	$\mathcal{O}(0; \{3^3, 4^5, 6^2, 8, 24\})$	2816
24	$\mathcal{O}(0; \{2, 4^7, 6^2, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^3, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^3, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^3, 8, 24\})$	320
24	$\mathcal{O}(0; \{3^4, 4^3, 6^3, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^3, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^4, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^5, 4, 6^4, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^4, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^5, 4, 6^5, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^5, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^2, 4^3, 6^5, 8, 24\})$	704

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^6, 8, 24\})$	688
24	$\mathcal{O}(0; \{4, 6^8, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^{10}, 3, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^6, 3^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 3^7, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{3^4, 4^4, 8^3, 24\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4^6, 8^3, 24\})$	8192
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8^3, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^8, 6^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^6, 6^2, 8^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 6^5, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{4^2, 6^5, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{3, 6^6, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{4^3, 6^2, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{3, 4^2, 8^7, 24\})$	131072
24	$\mathcal{O}(0; \{3^2, 6, 8^7, 24\})$	98304
24	$\mathcal{O}(0; \{2, 6^2, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^{13}, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^9, 3^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^5, 3^6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{2, 3^9, 8, 12, 24\})$	5456

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^{10}, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^7, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^6, 8, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^6, 8, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2, 4^8, 8, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^{10}, 3, 6, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^6, 3^4, 6, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 3^7, 6, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6, 8, 12, 24\})$	768
24	$\mathcal{O}(0; \{3^4, 4^4, 6, 8, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^6, 6, 8, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^2, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3^5, 4^2, 6^2, 8, 12, 24\})$	5440
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^2, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^8, 6^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^6, 6^3, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2^5, 4^2, 6^3, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^3, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^2, 4^4, 6^3, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^5, 3, 6^4, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^4, 6^4, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^4, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^3, 6^6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{4^2, 6^6, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{3, 6^7, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^8, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{3^6, 4, 8^3, 12, 24\})$	22016
24	$\mathcal{O}(0; \{2^5, 4^3, 8^3, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{2^2, 4^5, 8^3, 12, 24\})$	8192
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8^3, 12, 24\})$	6144

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{4^3, 6^3, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{3, 4, 6^4, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2^6, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^2, 3^3, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2^3, 4^2, 8^5, 12, 24\})$	16384
24	$\mathcal{O}(0; \{4^4, 8^5, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^5, 12, 24\})$	12288
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^5, 12, 24\})$	49152
24	$\mathcal{O}(0; \{3^2, 6^2, 8^5, 12, 24\})$	45056
24	$\mathcal{O}(0; \{2, 6^3, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2, 4, 8^7, 12, 24\})$	131072
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8, 12^2, 24\})$	1280
24	$\mathcal{O}(0; \{3^5, 4^3, 8, 12^2, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^8, 4, 6, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{3^6, 4, 6, 8, 12^2, 24\})$	10944
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 8, 12^2, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 8, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{4^3, 6^4, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{3, 4, 6^5, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^5, 3^2, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2, 3^5, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^3, 12^2, 24\})$	10240
24	$\mathcal{O}(0; \{2^6, 6, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^3, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{4^4, 6, 8^3, 12^2, 24\})$	24576
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^3, 12^2, 24\})$	22528
24	$\mathcal{O}(0; \{3^2, 6^3, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2, 6^4, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{3^2, 4, 8^5, 12^2, 24\})$	81920

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4, 6, 8^5, 12^2, 24\})$	49152
24	$\mathcal{O}(0; \{2^8, 3, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^4, 3^4, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{3^7, 8, 12^3, 24\})$	21824
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8, 12^3, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3^5, 6, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^6, 6^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8, 12^3, 24\})$	2816
24	$\mathcal{O}(0; \{4^4, 6^2, 8, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{3^2, 6^4, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2, 6^5, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^3, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{3, 4^3, 8^3, 12^3, 24\})$	40960
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^3, 12^3, 24\})$	43008
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^3, 12^3, 24\})$	22528
24	$\mathcal{O}(0; \{2, 3, 8^5, 12^3, 24\})$	81920
24	$\mathcal{O}(0; \{2^6, 4, 8, 12^4, 24\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^3, 4^3, 8, 12^4, 24\})$	5120
24	$\mathcal{O}(0; \{4^5, 8, 12^4, 24\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8, 12^4, 24\})$	5376
24	$\mathcal{O}(0; \{3, 4^3, 6, 8, 12^4, 24\})$	21504
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8, 12^4, 24\})$	21760
24	$\mathcal{O}(0; \{2, 4, 6^3, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^4, 8^3, 12^4, 24\})$	10240
24	$\mathcal{O}(0; \{3^3, 8^3, 12^4, 24\})$	88064
24	$\mathcal{O}(0; \{2, 4^2, 8^3, 12^4, 24\})$	40960
24	$\mathcal{O}(0; \{2, 3, 6, 8^3, 12^4, 24\})$	43008
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 12^5, 24\})$	11008
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 12^5, 24\})$	44032
24	$\mathcal{O}(0; \{2^4, 6, 8, 12^5, 24\})$	5376
24	$\mathcal{O}(0; \{3^3, 6, 8, 12^5, 24\})$	43776
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 12^5, 24\})$	21504
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12^6, 24\})$	44032
24	$\mathcal{O}(0; \{2^2, 8, 12^7, 24\})$	44032

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^{12}, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^8, 3^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^4, 3^8, 24^2\})$	1368
24	$\mathcal{O}(0; \{3^{11}, 24^2\})$	10920
24	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^8, 4^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^2, 4^8, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^{13}, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{2^9, 3^3, 6, 24^2\})$	88
24	$\mathcal{O}(0; \{2^5, 3^6, 6, 24^2\})$	680
24	$\mathcal{O}(0; \{2, 3^9, 6, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^{10}, 4^2, 6, 24^2\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^7, 4^4, 6, 24^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^6, 6, 24^2\})$	512
24	$\mathcal{O}(0; \{3^3, 4^6, 6, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 4^8, 6, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 24^2\})$	40
24	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^2, 24^2\})$	640
24	$\mathcal{O}(0; \{3^4, 4^4, 6^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^6, 6^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^3, 24^2\})$	672
24	$\mathcal{O}(0; \{3^5, 4^2, 6^3, 24^2\})$	5472
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^8, 6^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 24^2\})$	680
24	$\mathcal{O}(0; \{3^6, 6^4, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^5, 4^2, 6^4, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^4, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 4^4, 6^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^5, 3, 6^5, 24^2\})$	344

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^4, 6^5, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^5, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^3, 6^7, 24^2\})$	680
24	$\mathcal{O}(0; \{4^2, 6^7, 24^2\})$	2720
24	$\mathcal{O}(0; \{3, 6^8, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^5, 4^3, 8^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^8, 4, 6, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^6, 4, 6, 8^2, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 8^2, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{4^3, 6^4, 8^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{3, 4, 6^5, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^5, 3^2, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{2, 3^5, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^4, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^6, 6, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{4^4, 6, 8^4, 24^2\})$	32768
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^4, 24^2\})$	40960
24	$\mathcal{O}(0; \{3^2, 6^3, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 6^4, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{3^2, 4, 8^6, 24^2\})$	196608
24	$\mathcal{O}(0; \{2, 4, 6, 8^6, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 3, 4, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2^6, 3^4, 4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^7, 4, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^7, 3, 4^3, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4^5, 12, 24^2\})$	1536

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^4, 4^5, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^7, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 6, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 6, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^5, 4^3, 6, 12, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 6, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^8, 4, 6^2, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^2, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^6, 4, 6^2, 12, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^5, 4^3, 6^2, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^2, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^5, 6^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^3, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^3, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^3, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^4, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^3, 4, 6^5, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{4^3, 6^5, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{3, 4, 6^6, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^8, 3, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^4, 3^4, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^7, 8^2, 12, 24^2\})$	43776
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8^2, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 3^5, 6, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^6, 6^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8^2, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{4^4, 6^2, 8^2, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{3^2, 6^4, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 6^5, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^4, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{3, 4^3, 8^4, 12, 24^2\})$	98304
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^4, 12, 24^2\})$	90112
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^4, 12, 24^2\})$	40960
24	$\mathcal{O}(0; \{2, 3, 8^6, 12, 24^2\})$	196608
24	$\mathcal{O}(0; \{2^{11}, 12^2, 24^2\})$	96

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3^6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^8, 4^2, 12^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^6, 4^2, 12^2, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^5, 4^4, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^6, 12^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^8, 3, 6, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{3^7, 6, 12^2, 24^2\})$	21856
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^6, 6^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{4^4, 6^3, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{3^2, 6^5, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2, 6^6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 4, 8^2, 12^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 12^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{4^5, 8^2, 12^2, 24^2\})$	49152
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^2, 12^2, 24^2\})$	45056
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^2, 12^2, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^4, 8^4, 12^2, 24^2\})$	24576
24	$\mathcal{O}(0; \{3^3, 8^4, 12^2, 24^2\})$	172032
24	$\mathcal{O}(0; \{2, 4^2, 8^4, 12^2, 24^2\})$	98304
24	$\mathcal{O}(0; \{2, 3, 6, 8^4, 12^2, 24^2\})$	90112
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^5, 4, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 12^3, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^6, 4, 6, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 12^3, 24^2\})$	5632

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^5, 6, 12^3, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 12^3, 24^2\})$	22016
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2, 4, 6^4, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 12^3, 24^2\})$	86016
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 12^3, 24^2\})$	87040
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 12^3, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^6, 3, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^4, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 12^4, 24^2\})$	10752
24	$\mathcal{O}(0; \{3, 4^4, 12^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 12^4, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^4, 6^2, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^3, 6^2, 12^4, 24^2\})$	43648
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 12^4, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3, 6^3, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12^4, 24^2\})$	86016
24	$\mathcal{O}(0; \{2^4, 4, 12^5, 24^2\})$	10752
24	$\mathcal{O}(0; \{3^3, 4, 12^5, 24^2\})$	87552
24	$\mathcal{O}(0; \{2, 4^3, 12^5, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 3, 4, 6, 12^5, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^2, 8^2, 12^5, 24^2\})$	86016
24	$\mathcal{O}(0; \{2, 3^2, 12^6, 24^2\})$	87552
24	$\mathcal{O}(0; \{2^2, 6, 12^6, 24^2\})$	43520
24	$\mathcal{O}(0; \{12^8, 24^2\})$	350208
24	$\mathcal{O}(0; \{2^{11}, 8, 24^3\})$	128
24	$\mathcal{O}(0; \{2^7, 3^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^8, 4^2, 8, 24^3\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^6, 4^2, 8, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^5, 4^4, 8, 24^3\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^2, 4^6, 8, 24^3\})$	8192
24	$\mathcal{O}(0; \{2^8, 3, 6, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{3^7, 6, 8, 24^3\})$	43648
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 8, 24^3\})$	2560

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 8, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^6, 6^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{4^4, 6^3, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{3^2, 6^5, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2, 6^6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^6, 4, 8^3, 24^3\})$	4096
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 4^3, 8^3, 24^3\})$	16384
24	$\mathcal{O}(0; \{4^5, 8^3, 24^3\})$	65536
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^3, 24^3\})$	20480
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^3, 24^3\})$	81920
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^4, 8^5, 24^3\})$	32768
24	$\mathcal{O}(0; \{3^3, 8^5, 24^3\})$	360448
24	$\mathcal{O}(0; \{2, 4^2, 8^5, 24^3\})$	131072
24	$\mathcal{O}(0; \{2, 3, 6, 8^5, 24^3\})$	163840
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 3^5, 4, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8, 12, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^6, 4, 6, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8, 12, 24^3\})$	10240
24	$\mathcal{O}(0; \{4^5, 6, 8, 12, 24^3\})$	40960
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8, 12, 24^3\})$	43008
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 4, 6^4, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^3, 3^2, 8^3, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{3^2, 4^2, 8^3, 12, 24^3\})$	180224
24	$\mathcal{O}(0; \{2^4, 6, 8^3, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{3^3, 6, 8^3, 12, 24^3\})$	176128
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^3, 12, 24^3\})$	81920
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^6, 3, 8, 12^2, 24^3\})$	5632

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^4, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8, 12^2, 24^3\})$	22528
24	$\mathcal{O}(0; \{3, 4^4, 8, 12^2, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8, 12^2, 24^3\})$	88064
24	$\mathcal{O}(0; \{2^4, 6^2, 8, 12^2, 24^3\})$	10752
24	$\mathcal{O}(0; \{3^3, 6^2, 8, 12^2, 24^3\})$	87552
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8, 12^2, 24^3\})$	43008
24	$\mathcal{O}(0; \{2, 3, 6^3, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 3, 4, 8^3, 12^2, 24^3\})$	180224
24	$\mathcal{O}(0; \{2^4, 4, 8, 12^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{3^3, 4, 8, 12^3, 24^3\})$	174080
24	$\mathcal{O}(0; \{2, 4^3, 8, 12^3, 24^3\})$	90112
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 12^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2^2, 8^3, 12^3, 24^3\})$	180224
24	$\mathcal{O}(0; \{2, 3^2, 8, 12^4, 24^3\})$	174080
24	$\mathcal{O}(0; \{2^2, 6, 8, 12^4, 24^3\})$	88064
24	$\mathcal{O}(0; \{8, 12^6, 24^3\})$	696320
24	$\mathcal{O}(0; \{2^8, 3, 4, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^4, 4, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^7, 4, 24^4\})$	87296
24	$\mathcal{O}(0; \{2^5, 3, 4^3, 24^4\})$	5120
24	$\mathcal{O}(0; \{2, 3^4, 4^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^2, 3, 4^5, 24^4\})$	20480
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^5, 4, 6, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 24^4\})$	21504
24	$\mathcal{O}(0; \{2^6, 4, 6^2, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 24^4\})$	11264
24	$\mathcal{O}(0; \{4^5, 6^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 24^4\})$	11008
24	$\mathcal{O}(0; \{3, 4^3, 6^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{3^2, 4, 6^4, 24^4\})$	43776
24	$\mathcal{O}(0; \{2, 4, 6^5, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^6, 3, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^4, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^2, 24^4\})$	40960
24	$\mathcal{O}(0; \{3, 4^4, 8^2, 24^4\})$	163840
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^4, 6^2, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{3^3, 6^2, 8^2, 24^4\})$	174080

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2, 3, 4, 8^4, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^9, 12, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^5, 3^3, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{2, 3^6, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2^6, 4^2, 12, 24^4\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^3, 4^4, 12, 24^4\})$	20480
24	$\mathcal{O}(0; \{4^6, 12, 24^4\})$	81920
24	$\mathcal{O}(0; \{2^6, 3, 6, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12, 24^4\})$	21504
24	$\mathcal{O}(0; \{3, 4^4, 6, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^4, 6^3, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^3, 6^3, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2, 3, 6^4, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^4, 4, 8^2, 12, 24^4\})$	40960
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 12, 24^4\})$	352256
24	$\mathcal{O}(0; \{2, 4^3, 8^2, 12, 24^4\})$	163840
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 12, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^2, 8^4, 12, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^2, 24^4\})$	44032
24	$\mathcal{O}(0; \{3^2, 4^3, 12^2, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^4, 4, 6, 12^2, 24^4\})$	21504
24	$\mathcal{O}(0; \{3^3, 4, 6, 12^2, 24^4\})$	175104
24	$\mathcal{O}(0; \{2, 4^3, 6, 12^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12^2, 24^4\})$	352256
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^4, 3, 12^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{3^4, 12^3, 24^4\})$	349184
24	$\mathcal{O}(0; \{2, 3, 4^2, 12^3, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 3^2, 6, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{2^2, 6^2, 12^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^2, 4, 12^4, 24^4\})$	176128
24	$\mathcal{O}(0; \{8^2, 12^4, 24^4\})$	1409024
24	$\mathcal{O}(0; \{6, 12^5, 24^4\})$	700416
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8, 24^5\})$	86016
24	$\mathcal{O}(0; \{3^2, 4^3, 8, 24^5\})$	344064

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4, 6, 8, 24^5\})$	45056
24	$\mathcal{O}(0; \{3^3, 4, 6, 8, 24^5\})$	348160
24	$\mathcal{O}(0; \{2, 4^3, 6, 8, 24^5\})$	180224
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2, 3^2, 8^3, 24^5\})$	688128
24	$\mathcal{O}(0; \{2^2, 6, 8^3, 24^5\})$	360448
24	$\mathcal{O}(0; \{2^4, 3, 8, 12, 24^5\})$	86016
24	$\mathcal{O}(0; \{3^4, 8, 12, 24^5\})$	700416
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 12, 24^5\})$	344064
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 12, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^2, 4, 8, 12^2, 24^5\})$	344064
24	$\mathcal{O}(0; \{8^3, 12^2, 24^5\})$	2752512
24	$\mathcal{O}(0; \{6, 8, 12^3, 24^5\})$	1392640
24	$\mathcal{O}(0; \{2^7, 24^6\})$	22528
24	$\mathcal{O}(0; \{2^3, 3^3, 24^6\})$	174080
24	$\mathcal{O}(0; \{2^4, 4^2, 24^6\})$	90112
24	$\mathcal{O}(0; \{3^3, 4^2, 24^6\})$	696320
24	$\mathcal{O}(0; \{2, 4^4, 24^6\})$	360448
24	$\mathcal{O}(0; \{2^4, 3, 6, 24^6\})$	88064
24	$\mathcal{O}(0; \{3^4, 6, 24^6\})$	698368
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 24^6\})$	352256
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 24^6\})$	350208
24	$\mathcal{O}(0; \{2^2, 6^3, 24^6\})$	174080
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 24^6\})$	720896
24	$\mathcal{O}(0; \{8^4, 24^6\})$	5767168
24	$\mathcal{O}(0; \{2, 3^2, 4, 12, 24^6\})$	696320
24	$\mathcal{O}(0; \{2^2, 4, 6, 12, 24^6\})$	352256
24	$\mathcal{O}(0; \{6, 8^2, 12, 24^6\})$	2818048
24	$\mathcal{O}(0; \{2^2, 3, 12^2, 24^6\})$	696320
24	$\mathcal{O}(0; \{6^2, 12^2, 24^6\})$	1400832
24	$\mathcal{O}(0; \{4, 12^3, 24^6\})$	2785280
24	$\mathcal{O}(0; \{2^2, 3, 8, 24^7\})$	1409024
24	$\mathcal{O}(0; \{6^2, 8, 24^7\})$	2785280
24	$\mathcal{O}(0; \{4, 8, 12, 24^7\})$	5636096
24	$\mathcal{O}(0; \{4, 6, 24^8\})$	5570560
24	$\mathcal{O}(0; \{3, 12, 24^8\})$	11206656
25	$\mathcal{O}(0; \{5^4, 25^6\})$	656000000
26	$\mathcal{O}(2; \{2^2, 13^4\})$	729333696
26	$\mathcal{O}(2; \{13^3, 26^2\})$	8746520640
26	$\mathcal{O}(1; \{2^6, 13^4\})$	1078896
26	$\mathcal{O}(1; \{2^4, 13^3, 26^2\})$	12938640
26	$\mathcal{O}(1; \{2^2, 13^2, 26^4\})$	155271792

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
26	$\mathcal{O}(1; \{13, 26^6\})$	1863253392
26	$\mathcal{O}(0; \{2^{10}, 13^4\})$	1596
26	$\mathcal{O}(0; \{2^8, 13^3, 26^2\})$	19140
26	$\mathcal{O}(0; \{2^6, 13^2, 26^4\})$	229692
26	$\mathcal{O}(0; \{2^4, 13, 26^6\})$	2756292
26	$\mathcal{O}(0; \{2^2, 26^8\})$	33075516
27	$\mathcal{O}(3; \{3, 9^2\})$	4642668576
27	$\mathcal{O}(2; \{3^4, 9^2\})$	50388480
27	$\mathcal{O}(2; \{9^5\})$	425152800
27	$\mathcal{O}(2; \{3, 9, 27^3\})$	1033121304
27	$\mathcal{O}(1; \{3^7, 9^2\})$	497664
27	$\mathcal{O}(1; \{3^3, 9^5\})$	4199040
27	$\mathcal{O}(1; \{3^4, 9, 27^3\})$	11337408
27	$\mathcal{O}(1; \{9^4, 27^3\})$	153055008
27	$\mathcal{O}(1; \{3, 27^6\})$	1894055724
27	$\mathcal{O}(0; \{3^7, 9, 27^3\})$	124416
27	$\mathcal{O}(0; \{3^3, 9^4, 27^3\})$	1679616
27	$\mathcal{O}(0; \{3^4, 27^6\})$	20785248
27	$\mathcal{O}(0; \{9^3, 27^6\})$	280600848
28	$\mathcal{O}(2; \{2^2, 4^2, 7^2\})$	7375872
28	$\mathcal{O}(2; \{4^2, 7, 14^2\})$	36879360
28	$\mathcal{O}(2; \{2, 7, 14, 28^2\})$	228652032
28	$\mathcal{O}(1; \{2^6, 4^2, 7^2\})$	9408
28	$\mathcal{O}(1; \{2^3, 4^4, 7^2\})$	37632
28	$\mathcal{O}(1; \{4^6, 7^2\})$	150528
28	$\mathcal{O}(1; \{2^4, 4^2, 7, 14^2\})$	47040
28	$\mathcal{O}(1; \{2, 4^4, 7, 14^2\})$	188160
28	$\mathcal{O}(1; \{2^2, 4^2, 14^4\})$	291648
28	$\mathcal{O}(1; \{2^2, 4, 7^3, 14, 28\})$	1740480
28	$\mathcal{O}(1; \{4, 7^2, 14^3, 28\})$	10452288
28	$\mathcal{O}(1; \{7^5, 28^2\})$	62704320
28	$\mathcal{O}(1; \{2^5, 7, 14, 28^2\})$	291648
28	$\mathcal{O}(1; \{2^2, 4^2, 7, 14, 28^2\})$	1166592
28	$\mathcal{O}(1; \{2^3, 14^3, 28^2\})$	1740480
28	$\mathcal{O}(1; \{4^2, 14^3, 28^2\})$	6961920
28	$\mathcal{O}(1; \{4, 7^3, 28^3\})$	41809152
28	$\mathcal{O}(1; \{2^3, 7, 28^4\})$	6961920
28	$\mathcal{O}(1; \{4^2, 7, 28^4\})$	27847680
28	$\mathcal{O}(1; \{2, 14^2, 28^4\})$	41809152
28	$\mathcal{O}(0; \{2^{10}, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{2^7, 4^4, 7^2\})$	48
28	$\mathcal{O}(0; \{2^4, 4^6, 7^2\})$	192
28	$\mathcal{O}(0; \{2, 4^8, 7^2\})$	768

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^3, 4^2, 7^5, 14\})$	13332
28	$\mathcal{O}(0; \{4^4, 7^5, 14\})$	53328
28	$\mathcal{O}(0; \{2^8, 4^2, 7, 14^2\})$	60
28	$\mathcal{O}(0; \{2^5, 4^4, 7, 14^2\})$	240
28	$\mathcal{O}(0; \{2^2, 4^6, 7, 14^2\})$	960
28	$\mathcal{O}(0; \{2, 4^2, 7^4, 14^3\})$	79980
28	$\mathcal{O}(0; \{2^6, 4^2, 14^4\})$	372
28	$\mathcal{O}(0; \{2^3, 4^4, 14^4\})$	1488
28	$\mathcal{O}(0; \{4^6, 14^4\})$	5952
28	$\mathcal{O}(0; \{2, 4, 7^7, 28\})$	479892
28	$\mathcal{O}(0; \{2^6, 4, 7^3, 14, 28\})$	2220
28	$\mathcal{O}(0; \{2^3, 4^3, 7^3, 14, 28\})$	8880
28	$\mathcal{O}(0; \{4^5, 7^3, 14, 28\})$	35520
28	$\mathcal{O}(0; \{2^4, 4, 7^2, 14^3, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 7^2, 14^3, 28\})$	53328
28	$\mathcal{O}(0; \{2^2, 4, 7, 14^5, 28\})$	79980
28	$\mathcal{O}(0; \{4, 14^7, 28\})$	479892
28	$\mathcal{O}(0; \{2^4, 7^5, 28^2\})$	79980
28	$\mathcal{O}(0; \{2, 4^2, 7^5, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^9, 7, 14, 28^2\})$	372
28	$\mathcal{O}(0; \{2^6, 4^2, 7, 14, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^3, 4^4, 7, 14, 28^2\})$	5952
28	$\mathcal{O}(0; \{4^6, 7, 14, 28^2\})$	23808
28	$\mathcal{O}(0; \{2^2, 7^4, 14^2, 28^2\})$	479892
28	$\mathcal{O}(0; \{2^7, 14^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^4, 4^2, 14^3, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 4^4, 14^3, 28^2\})$	35520
28	$\mathcal{O}(0; \{7^3, 14^4, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^4, 4, 7^3, 28^3\})$	53328
28	$\mathcal{O}(0; \{2, 4^3, 7^3, 28^3\})$	213312
28	$\mathcal{O}(0; \{2^2, 4, 7^2, 14^2, 28^3\})$	319920
28	$\mathcal{O}(0; \{4, 7, 14^4, 28^3\})$	1919568
28	$\mathcal{O}(0; \{2^7, 7, 28^4\})$	8880
28	$\mathcal{O}(0; \{2^4, 4^2, 7, 28^4\})$	35520
28	$\mathcal{O}(0; \{2, 4^4, 7, 28^4\})$	142080
28	$\mathcal{O}(0; \{7^4, 14, 28^4\})$	11517360
28	$\mathcal{O}(0; \{2^5, 14^2, 28^4\})$	53328
28	$\mathcal{O}(0; \{2^2, 4^2, 14^2, 28^4\})$	213312
28	$\mathcal{O}(0; \{4, 7^2, 14, 28^5\})$	7678272
28	$\mathcal{O}(0; \{2^3, 14, 28^6\})$	1279680
28	$\mathcal{O}(0; \{4^2, 14, 28^6\})$	5118720
28	$\mathcal{O}(0; \{2, 28^8\})$	30713088
29	$\mathcal{O}(4; \emptyset)$	500246412960

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(3; \{10^2\})$	291200000
30	$\mathcal{O}(2; \{2, 5^3, 10\})$	41600000
30	$\mathcal{O}(2; \{2^4, 10^2\})$	3200000
30	$\mathcal{O}(2; \{3^3, 10^2\})$	6480000
30	$\mathcal{O}(2; \{2, 3, 6, 10^2\})$	6480000
30	$\mathcal{O}(2; \{2, 3, 5, 10, 15\})$	19440000
30	$\mathcal{O}(2; \{2^2, 15^3\})$	19440000
30	$\mathcal{O}(2; \{2^2, 10, 15, 30\})$	19440000
30	$\mathcal{O}(2; \{15^2, 30^2\})$	252720000
30	$\mathcal{O}(2; \{10, 30^3\})$	84240000
30	$\mathcal{O}(1; \{2^2, 5^6\})$	656000
30	$\mathcal{O}(1; \{2^5, 5^3, 10\})$	41600
30	$\mathcal{O}(1; \{2, 3^3, 5^3, 10\})$	93600
30	$\mathcal{O}(1; \{2^2, 3, 5^3, 6, 10\})$	93600
30	$\mathcal{O}(1; \{5^3, 6^3, 10\})$	93600
30	$\mathcal{O}(1; \{2^8, 10^2\})$	3200
30	$\mathcal{O}(1; \{2^4, 3^3, 10^2\})$	7200
30	$\mathcal{O}(1; \{3^6, 10^2\})$	79200
30	$\mathcal{O}(1; \{5^5, 10^2\})$	2620800
30	$\mathcal{O}(1; \{2^5, 3, 6, 10^2\})$	7200
30	$\mathcal{O}(1; \{2, 3^4, 6, 10^2\})$	36000
30	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 10^2\})$	21600
30	$\mathcal{O}(1; \{2^3, 6^3, 10^2\})$	7200
30	$\mathcal{O}(1; \{3, 6^4, 10^2\})$	36000
30	$\mathcal{O}(1; \{2^3, 5^2, 10^3\})$	163200
30	$\mathcal{O}(1; \{3, 5^2, 6, 10^3\})$	367200
30	$\mathcal{O}(1; \{2, 5, 10^5\})$	656000
30	$\mathcal{O}(1; \{2^2, 3, 5^4, 15\})$	367200
30	$\mathcal{O}(1; \{5^4, 6^2, 15\})$	367200
30	$\mathcal{O}(1; \{2^5, 3, 5, 10, 15\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 5, 10, 15\})$	108000
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 6, 10, 15\})$	64800
30	$\mathcal{O}(1; \{2^3, 5, 6^2, 10, 15\})$	21600
30	$\mathcal{O}(1; \{3, 5, 6^3, 10, 15\})$	108000
30	$\mathcal{O}(1; \{3, 5^3, 10^2, 15\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 10^3, 15\})$	93600
30	$\mathcal{O}(1; \{3^2, 6, 10^3, 15\})$	280800
30	$\mathcal{O}(1; \{2, 6^2, 10^3, 15\})$	93600
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 15^2\})$	280800
30	$\mathcal{O}(1; \{2^3, 5^2, 6, 15^2\})$	93600
30	$\mathcal{O}(1; \{3, 5^2, 6^2, 15^2\})$	468000
30	$\mathcal{O}(1; \{3^2, 5, 10^2, 15^2\})$	1101600
30	$\mathcal{O}(1; \{2, 5, 6, 10^2, 15^2\})$	367200

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^6, 15^3\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 15^3\})$	237600
30	$\mathcal{O}(1; \{2^3, 3, 6, 15^3\})$	108000
30	$\mathcal{O}(1; \{3^2, 6^2, 15^3\})$	453600
30	$\mathcal{O}(1; \{2, 6^3, 15^3\})$	237600
30	$\mathcal{O}(1; \{2, 5^2, 10, 15^3\})$	1476000
30	$\mathcal{O}(1; \{2, 3, 10, 15^4\})$	1836000
30	$\mathcal{O}(1; \{5^5, 6, 30\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 10, 30\})$	93600
30	$\mathcal{O}(1; \{2^3, 5^2, 6, 10, 30\})$	93600
30	$\mathcal{O}(1; \{3, 5^2, 6^2, 10, 30\})$	280800
30	$\mathcal{O}(1; \{3^2, 5, 10^3, 30\})$	367200
30	$\mathcal{O}(1; \{2, 5, 6, 10^3, 30\})$	367200
30	$\mathcal{O}(1; \{2^3, 5^3, 15, 30\})$	367200
30	$\mathcal{O}(1; \{3, 5^3, 6, 15, 30\})$	1101600
30	$\mathcal{O}(1; \{2^6, 10, 15, 30\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 10, 15, 30\})$	108000
30	$\mathcal{O}(1; \{2^3, 3, 6, 10, 15, 30\})$	64800
30	$\mathcal{O}(1; \{3^2, 6^2, 10, 15, 30\})$	237600
30	$\mathcal{O}(1; \{2, 6^3, 10, 15, 30\})$	108000
30	$\mathcal{O}(1; \{2, 5^2, 10^2, 15, 30\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 5, 15^2, 30\})$	280800
30	$\mathcal{O}(1; \{3^2, 5, 6, 15^2, 30\})$	1029600
30	$\mathcal{O}(1; \{2, 5, 6^2, 15^2, 30\})$	468000
30	$\mathcal{O}(1; \{2, 3, 10^2, 15^2, 30\})$	1101600
30	$\mathcal{O}(1; \{3, 5^4, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 5, 10, 30^2\})$	93600
30	$\mathcal{O}(1; \{3^2, 5, 6, 10, 30^2\})$	468000
30	$\mathcal{O}(1; \{2, 5, 6^2, 10, 30^2\})$	280800
30	$\mathcal{O}(1; \{2, 3, 10^3, 30^2\})$	367200
30	$\mathcal{O}(1; \{3^2, 5^2, 15, 30^2\})$	1836000
30	$\mathcal{O}(1; \{2, 5^2, 6, 15, 30^2\})$	1101600
30	$\mathcal{O}(1; \{2^4, 15^2, 30^2\})$	280800
30	$\mathcal{O}(1; \{3^3, 15^2, 30^2\})$	1965600
30	$\mathcal{O}(1; \{2, 3, 6, 15^2, 30^2\})$	1029600
30	$\mathcal{O}(1; \{2, 5^3, 30^3\})$	1476000
30	$\mathcal{O}(1; \{2^4, 10, 30^3\})$	93600
30	$\mathcal{O}(1; \{3^3, 10, 30^3\})$	1029600
30	$\mathcal{O}(1; \{2, 3, 6, 10, 30^3\})$	468000
30	$\mathcal{O}(1; \{2, 3, 5, 15, 30^3\})$	1836000
30	$\mathcal{O}(1; \{2^2, 15, 30^4\})$	1836000
30	$\mathcal{O}(1; \{30^6\})$	16236000
30	$\mathcal{O}(0; \{2^2, 3^3, 5^6\})$	1640

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3, 5^6, 6\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^6, 6^2\})$	4920
30	$\mathcal{O}(0; \{2, 5^6, 6^3\})$	1640
30	$\mathcal{O}(0; \{2^5, 3^3, 5^3, 10\})$	104
30	$\mathcal{O}(0; \{2, 3^6, 5^3, 10\})$	1144
30	$\mathcal{O}(0; \{2^6, 3, 5^3, 6, 10\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 6, 10\})$	520
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6^2, 10\})$	312
30	$\mathcal{O}(0; \{2^4, 5^3, 6^3, 10\})$	104
30	$\mathcal{O}(0; \{3^3, 5^3, 6^3, 10\})$	1144
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^4, 10\})$	520
30	$\mathcal{O}(0; \{2^8, 3^3, 10^2\})$	8
30	$\mathcal{O}(0; \{2^4, 3^6, 10^2\})$	88
30	$\mathcal{O}(0; \{3^9, 10^2\})$	680
30	$\mathcal{O}(0; \{3^3, 5^5, 10^2\})$	6552
30	$\mathcal{O}(0; \{2^9, 3, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{2^5, 3^4, 6, 10^2\})$	40
30	$\mathcal{O}(0; \{2, 3^7, 6, 10^2\})$	344
30	$\mathcal{O}(0; \{2, 3, 5^5, 6, 10^2\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 10^2\})$	168
30	$\mathcal{O}(0; \{2^7, 6^3, 10^2\})$	8
30	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 10^2\})$	88
30	$\mathcal{O}(0; \{2^4, 3, 6^4, 10^2\})$	40
30	$\mathcal{O}(0; \{3^4, 6^4, 10^2\})$	344
30	$\mathcal{O}(0; \{2, 3^2, 6^5, 10^2\})$	168
30	$\mathcal{O}(0; \{2^2, 6^6, 10^2\})$	88
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 10^3\})$	408
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6, 10^3\})$	408
30	$\mathcal{O}(0; \{3^4, 5^2, 6, 10^3\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^2, 10^3\})$	1224
30	$\mathcal{O}(0; \{2^2, 5^2, 6^3, 10^3\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5, 10^5\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10^5\})$	1640
30	$\mathcal{O}(0; \{5, 6^3, 10^5\})$	1640
30	$\mathcal{O}(0; \{3, 6, 10^7\})$	6552
30	$\mathcal{O}(0; \{2^6, 3, 5^4, 15\})$	408
30	$\mathcal{O}(0; \{2^2, 3^4, 5^4, 15\})$	2040
30	$\mathcal{O}(0; \{2^3, 3^2, 5^4, 6, 15\})$	1224
30	$\mathcal{O}(0; \{2^4, 5^4, 6^2, 15\})$	408
30	$\mathcal{O}(0; \{3^3, 5^4, 6^2, 15\})$	4488
30	$\mathcal{O}(0; \{2, 3, 5^4, 6^3, 15\})$	2040
30	$\mathcal{O}(0; \{2^9, 3, 5, 10, 15\})$	24

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^5, 3^4, 5, 10, 15\})$	120
30	$\mathcal{O}(0; \{2, 3^7, 5, 10, 15\})$	1032
30	$\mathcal{O}(0; \{2, 3, 5^6, 10, 15\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 6, 10, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 6, 10, 15\})$	504
30	$\mathcal{O}(0; \{2^7, 5, 6^2, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6^2, 10, 15\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^3, 10, 15\})$	120
30	$\mathcal{O}(0; \{3^4, 5, 6^3, 10, 15\})$	1032
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^4, 10, 15\})$	504
30	$\mathcal{O}(0; \{2^2, 5, 6^5, 10, 15\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 10^2, 15\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^3, 10^2, 15\})$	8200
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6, 10^2, 15\})$	4920
30	$\mathcal{O}(0; \{2^2, 5^3, 6^2, 10^2, 15\})$	1640
30	$\mathcal{O}(0; \{2^7, 3, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 10^3, 15\})$	520
30	$\mathcal{O}(0; \{2^4, 3^2, 6, 10^3, 15\})$	312
30	$\mathcal{O}(0; \{3^5, 6, 10^3, 15\})$	2184
30	$\mathcal{O}(0; \{2^5, 6^2, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 6^2, 10^3, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 6^3, 10^3, 15\})$	520
30	$\mathcal{O}(0; \{6^5, 10^3, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10^4, 15\})$	6552
30	$\mathcal{O}(0; \{5^2, 6^2, 10^4, 15\})$	6552
30	$\mathcal{O}(0; \{3, 5, 10^6, 15\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 15^2\})$	312
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^7, 5^2, 6, 15^2\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6, 15^2\})$	1144
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^2, 15^2\})$	520
30	$\mathcal{O}(0; \{3^4, 5^2, 6^2, 15^2\})$	4472
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^3, 15^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 5^2, 6^4, 15^2\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 10, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^2, 5^4, 6, 10, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10^2, 15^2\})$	1224
30	$\mathcal{O}(0; \{3^5, 5, 10^2, 15^2\})$	8568
30	$\mathcal{O}(0; \{2^5, 5, 6, 10^2, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10^2, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10^2, 15^2\})$	2040
30	$\mathcal{O}(0; \{5, 6^4, 10^2, 15^2\})$	4488
30	$\mathcal{O}(0; \{5^3, 6, 10^3, 15^2\})$	26216

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3^2, 10^4, 15^2\})$	4920
30	$\mathcal{O}(0; \{2^3, 6, 10^4, 15^2\})$	1640
30	$\mathcal{O}(0; \{3, 6^2, 10^4, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^{10}, 15^3\})$	24
30	$\mathcal{O}(0; \{2^6, 3^3, 15^3\})$	264
30	$\mathcal{O}(0; \{2^2, 3^6, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^5, 15^3\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 6, 15^3\})$	120
30	$\mathcal{O}(0; \{2^3, 3^4, 6, 15^3\})$	1032
30	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 15^3\})$	504
30	$\mathcal{O}(0; \{3^5, 6^2, 15^3\})$	4104
30	$\mathcal{O}(0; \{2^5, 6^3, 15^3\})$	264
30	$\mathcal{O}(0; \{2, 3^3, 6^3, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 6^4, 15^3\})$	1032
30	$\mathcal{O}(0; \{6^6, 15^3\})$	2040
30	$\mathcal{O}(0; \{2^5, 5^2, 10, 15^3\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10, 15^3\})$	18040
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10, 15^3\})$	8200
30	$\mathcal{O}(0; \{5^2, 6^3, 10, 15^3\})$	18040
30	$\mathcal{O}(0; \{5^4, 10^2, 15^3\})$	104856
30	$\mathcal{O}(0; \{2^3, 5, 10^3, 15^3\})$	6552
30	$\mathcal{O}(0; \{3, 5, 6, 10^3, 15^3\})$	32760
30	$\mathcal{O}(0; \{2, 10^5, 15^3\})$	26216
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 15^4\})$	32760
30	$\mathcal{O}(0; \{5^3, 6^2, 15^4\})$	72072
30	$\mathcal{O}(0; \{2^5, 3, 10, 15^4\})$	2040
30	$\mathcal{O}(0; \{2, 3^4, 10, 15^4\})$	17544
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10, 15^4\})$	8568
30	$\mathcal{O}(0; \{2^3, 6^2, 10, 15^4\})$	4488
30	$\mathcal{O}(0; \{3, 6^3, 10, 15^4\})$	17544
30	$\mathcal{O}(0; \{3, 5^2, 10^2, 15^4\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 15^5\})$	34440
30	$\mathcal{O}(0; \{2^3, 5, 6, 15^5\})$	18040
30	$\mathcal{O}(0; \{3, 5, 6^2, 15^5\})$	70520
30	$\mathcal{O}(0; \{3^2, 10^2, 15^5\})$	137592
30	$\mathcal{O}(0; \{2, 6, 10^2, 15^5\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10, 15^6\})$	288376
30	$\mathcal{O}(0; \{2^3, 3^2, 5^5, 30\})$	1640
30	$\mathcal{O}(0; \{2^4, 5^5, 6, 30\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^5, 6, 30\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5^5, 6^2, 30\})$	4920
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 10, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 10, 30\})$	1144

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^7, 5^2, 6, 10, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6, 10, 30\})$	520
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^2, 10, 30\})$	312
30	$\mathcal{O}(0; \{3^4, 5^2, 6^2, 10, 30\})$	2184
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^3, 10, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 5^2, 6^4, 10, 30\})$	520
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 10^2, 30\})$	6552
30	$\mathcal{O}(0; \{2^2, 5^4, 6, 10^2, 30\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10^3, 30\})$	408
30	$\mathcal{O}(0; \{3^5, 5, 10^3, 30\})$	4488
30	$\mathcal{O}(0; \{2^5, 5, 6, 10^3, 30\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10^3, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10^3, 30\})$	1224
30	$\mathcal{O}(0; \{5, 6^4, 10^3, 30\})$	2040
30	$\mathcal{O}(0; \{5^3, 6, 10^4, 30\})$	26216
30	$\mathcal{O}(0; \{2^2, 3^2, 10^5, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 6, 10^5, 30\})$	1640
30	$\mathcal{O}(0; \{3, 6^2, 10^5, 30\})$	4920
30	$\mathcal{O}(0; \{2^7, 5^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3^3, 5^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 6, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3^4, 5^3, 6, 15, 30\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6^2, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 5^3, 6^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^{10}, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^6, 3^3, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3^6, 10, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^2, 5^5, 10, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 6, 10, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 3^4, 6, 10, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 10, 15, 30\})$	264
30	$\mathcal{O}(0; \{3^5, 6^2, 10, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2^5, 6^3, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^3, 6^3, 10, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^2, 3, 6^4, 10, 15, 30\})$	504
30	$\mathcal{O}(0; \{6^6, 10, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^5, 5^2, 10^2, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10^2, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10^2, 15, 30\})$	4920
30	$\mathcal{O}(0; \{5^2, 6^3, 10^2, 15, 30\})$	8200
30	$\mathcal{O}(0; \{5^4, 10^3, 15, 30\})$	104856
30	$\mathcal{O}(0; \{2^3, 5, 10^4, 15, 30\})$	6552
30	$\mathcal{O}(0; \{3, 5, 6, 10^4, 15, 30\})$	19656

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 10^6, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 5, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{3^5, 5, 6, 15^2, 30\})$	8840
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 15^2, 30\})$	2184
30	$\mathcal{O}(0; \{5, 6^5, 15^2, 30\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{5^3, 6^2, 10, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2^5, 3, 10^2, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 3^4, 10^2, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^2, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2^3, 6^2, 10^2, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{3, 6^3, 10^2, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{3, 5^2, 10^3, 15^2, 30\})$	78648
30	$\mathcal{O}(0; \{5^4, 6, 15^3, 30\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{2^3, 5, 6, 10, 15^3, 30\})$	8200
30	$\mathcal{O}(0; \{3, 5, 6^2, 10, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{3^2, 10^3, 15^3, 30\})$	72072
30	$\mathcal{O}(0; \{2, 6, 10^3, 15^3, 30\})$	32760
30	$\mathcal{O}(0; \{2^3, 5^2, 15^4, 30\})$	32760
30	$\mathcal{O}(0; \{3, 5^2, 6, 15^4, 30\})$	137592
30	$\mathcal{O}(0; \{2, 5, 10^2, 15^4, 30\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 15^5, 30\})$	34440
30	$\mathcal{O}(0; \{3^2, 6, 15^5, 30\})$	139400
30	$\mathcal{O}(0; \{2, 6^2, 15^5, 30\})$	70520
30	$\mathcal{O}(0; \{2^4, 3, 5^4, 30^2\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^4, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 5^4, 6^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^7, 3, 5, 10, 30^2\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 10, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 10, 30^2\})$	520
30	$\mathcal{O}(0; \{3^5, 5, 6, 10, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 10, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 10, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 10, 30^2\})$	1144
30	$\mathcal{O}(0; \{5, 6^5, 10, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10^2, 30^2\})$	6552
30	$\mathcal{O}(0; \{5^3, 6^2, 10^2, 30^2\})$	19656

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^5, 3, 10^3, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 10^3, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 6^2, 10^3, 30^2\})$	1224
30	$\mathcal{O}(0; \{3, 6^3, 10^3, 30^2\})$	4488
30	$\mathcal{O}(0; \{3, 5^2, 10^4, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{3^5, 5^2, 15, 30^2\})$	17544
30	$\mathcal{O}(0; \{2^5, 5^2, 6, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2, 15, 30^2\})$	4488
30	$\mathcal{O}(0; \{5^2, 6^4, 15, 30^2\})$	8568
30	$\mathcal{O}(0; \{5^4, 6, 10, 15, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^2, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^3, 5, 6, 10^2, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^2, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{3^2, 10^4, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{2, 6, 10^4, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^8, 15^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2^4, 3^3, 15^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{3^6, 15^2, 30^2\})$	17784
30	$\mathcal{O}(0; \{5^5, 15^2, 30^2\})$	314568
30	$\mathcal{O}(0; \{2^5, 3, 6, 15^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 3^4, 6, 15^2, 30^2\})$	8840
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 15^2, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^3, 6^3, 15^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{3, 6^4, 15^2, 30^2\})$	8840
30	$\mathcal{O}(0; \{2^3, 5^2, 10, 15^2, 30^2\})$	19656
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 15^2, 30^2\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10^3, 15^2, 30^2\})$	78648
30	$\mathcal{O}(0; \{3, 5^3, 15^3, 30^2\})$	288376
30	$\mathcal{O}(0; \{2^3, 3, 10, 15^3, 30^2\})$	18040
30	$\mathcal{O}(0; \{3^2, 6, 10, 15^3, 30^2\})$	70520
30	$\mathcal{O}(0; \{2, 6^2, 10, 15^3, 30^2\})$	34440
30	$\mathcal{O}(0; \{3^2, 5, 15^4, 30^2\})$	281736
30	$\mathcal{O}(0; \{2, 5, 6, 15^4, 30^2\})$	137592
30	$\mathcal{O}(0; \{2^5, 5^3, 30^3\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 30^3\})$	8200
30	$\mathcal{O}(0; \{5^3, 6^3, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^8, 10, 30^3\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 10, 30^3\})$	1144
30	$\mathcal{O}(0; \{3^6, 10, 30^3\})$	8840

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5^5, 10, 30^3\})$	104856
30	$\mathcal{O}(0; \{2^5, 3, 6, 10, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 3^4, 6, 10, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^3, 6^3, 10, 30^3\})$	1144
30	$\mathcal{O}(0; \{3, 6^4, 10, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^3, 5^2, 10^2, 30^3\})$	6552
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^2, 30^3\})$	32760
30	$\mathcal{O}(0; \{2, 5, 10^4, 30^3\})$	26216
30	$\mathcal{O}(0; \{2^5, 3, 5, 15, 30^3\})$	2040
30	$\mathcal{O}(0; \{2, 3^4, 5, 15, 30^3\})$	17544
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 15, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 15, 30^3\})$	4488
30	$\mathcal{O}(0; \{3, 5, 6^3, 15, 30^3\})$	17544
30	$\mathcal{O}(0; \{3, 5^3, 10, 15, 30^3\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 10^2, 15, 30^3\})$	8200
30	$\mathcal{O}(0; \{3^2, 6, 10^2, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{2, 6^2, 10^2, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 10, 15^2, 30^3\})$	137592
30	$\mathcal{O}(0; \{2, 5, 6, 10, 15^2, 30^3\})$	72072
30	$\mathcal{O}(0; \{2, 5^2, 15^3, 30^3\})$	288376
30	$\mathcal{O}(0; \{2, 3, 15^4, 30^3\})$	281736
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 30^4\})$	18040
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 30^4\})$	8200
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 30^4\})$	34440
30	$\mathcal{O}(0; \{3^2, 5, 10^2, 30^4\})$	72072
30	$\mathcal{O}(0; \{2, 5, 6, 10^2, 30^4\})$	32760
30	$\mathcal{O}(0; \{2^6, 15, 30^4\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^3, 15, 30^4\})$	17544
30	$\mathcal{O}(0; \{2^3, 3, 6, 15, 30^4\})$	8568
30	$\mathcal{O}(0; \{3^2, 6^2, 15, 30^4\})$	34680
30	$\mathcal{O}(0; \{2, 6^3, 15, 30^4\})$	17544
30	$\mathcal{O}(0; \{2, 5^2, 10, 15, 30^4\})$	131080
30	$\mathcal{O}(0; \{2, 3, 10, 15^2, 30^4\})$	137592
30	$\mathcal{O}(0; \{2^3, 3, 5, 30^5\})$	18040
30	$\mathcal{O}(0; \{3^2, 5, 6, 30^5\})$	70520
30	$\mathcal{O}(0; \{2, 5, 6^2, 30^5\})$	34440
30	$\mathcal{O}(0; \{2, 3, 10^2, 30^5\})$	72072
30	$\mathcal{O}(0; \{2^4, 30^6\})$	18040
30	$\mathcal{O}(0; \{3^3, 30^6\})$	139400
30	$\mathcal{O}(0; \{2, 3, 6, 30^6\})$	70520
32	$\mathcal{O}(2; \{2^3, 32^2\})$	16777216
32	$\mathcal{O}(2; \{4^2, 32^2\})$	67108864

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(1; \{2^7, 32^2\})$	16384
32	$\mathcal{O}(1; \{2^4, 4^2, 32^2\})$	65536
32	$\mathcal{O}(1; \{2, 4^4, 32^2\})$	262144
32	$\mathcal{O}(1; \{2^2, 4, 8^2, 32^2\})$	524288
32	$\mathcal{O}(1; \{8^4, 32^2\})$	4194304
32	$\mathcal{O}(1; \{4, 8, 16^2, 32^2\})$	8388608
32	$\mathcal{O}(0; \{2^{11}, 32^2\})$	16
32	$\mathcal{O}(0; \{2^8, 4^2, 32^2\})$	64
32	$\mathcal{O}(0; \{2^5, 4^4, 32^2\})$	256
32	$\mathcal{O}(0; \{2^2, 4^6, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^6, 4, 8^2, 32^2\})$	512
32	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 32^2\})$	2048
32	$\mathcal{O}(0; \{4^5, 8^2, 32^2\})$	8192
32	$\mathcal{O}(0; \{2^4, 8^4, 32^2\})$	4096
32	$\mathcal{O}(0; \{2, 4^2, 8^4, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^4, 4, 8, 16^2, 32^2\})$	8192
32	$\mathcal{O}(0; \{2, 4^3, 8, 16^2, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^2, 8^3, 16^2, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^2, 4, 16^4, 32^2\})$	131072
32	$\mathcal{O}(0; \{8^2, 16^4, 32^2\})$	1048576
32	$\mathcal{O}(0; \{2^2, 4, 8, 16, 32^4\})$	262144
32	$\mathcal{O}(0; \{8^3, 16, 32^4\})$	2097152
32	$\mathcal{O}(0; \{4, 16^3, 32^4\})$	4194304
32	$\mathcal{O}(0; \{4, 8, 32^6\})$	8388608
33	$\mathcal{O}(2; \{3^2, 33^2\})$	71155260
33	$\mathcal{O}(1; \{3, 11^4, 33\})$	19798020
33	$\mathcal{O}(1; \{3^5, 33^2\})$	457380
33	$\mathcal{O}(0; \{3^4, 11^4, 33\})$	90900
33	$\mathcal{O}(0; \{3^8, 33^2\})$	3420
33	$\mathcal{O}(0; \{3, 11^3, 33^4\})$	9090900
34	$\mathcal{O}(0; \{2, 17^6, 34\})$	15790320
35	$\mathcal{O}(1; \{5^3, 7^3\})$	441000
35	$\mathcal{O}(0; \{5^2, 7^4, 35^2\})$	346632
35	$\mathcal{O}(0; \{5^4, 7, 35^3\})$	609336
36	$\mathcal{O}(2; \{3^2, 4^2\})$	6635520
36	$\mathcal{O}(2; \{2, 3, 4, 12\})$	6635520
36	$\mathcal{O}(2; \{2^2, 12^2\})$	6635520
36	$\mathcal{O}(2; \{12, 18, 36\})$	40310784
36	$\mathcal{O}(2; \{9, 36^2\})$	60466176
36	$\mathcal{O}(1; \{2^4, 3^2, 4^2\})$	4608
36	$\mathcal{O}(1; \{3^5, 4^2\})$	23040
36	$\mathcal{O}(1; \{2, 3^2, 4^4\})$	18432
36	$\mathcal{O}(1; \{2, 3^3, 4^2, 6\})$	13824

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2\})$	4608
36	$\mathcal{O}(1; \{4^2, 6^4\})$	13824
36	$\mathcal{O}(1; \{3, 4^2, 9^3\})$	93312
36	$\mathcal{O}(1; \{2^5, 3, 4, 12\})$	4608
36	$\mathcal{O}(1; \{2, 3^4, 4, 12\})$	23040
36	$\mathcal{O}(1; \{2^2, 3, 4^3, 12\})$	18432
36	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12\})$	13824
36	$\mathcal{O}(1; \{2^3, 4, 6^2, 12\})$	4608
36	$\mathcal{O}(1; \{4^3, 6^2, 12\})$	18432
36	$\mathcal{O}(1; \{3, 4, 6^3, 12\})$	23040
36	$\mathcal{O}(1; \{2, 4, 9^3, 12\})$	93312
36	$\mathcal{O}(1; \{2^6, 12^2\})$	4608
36	$\mathcal{O}(1; \{2^2, 3^3, 12^2\})$	23040
36	$\mathcal{O}(1; \{2^3, 4^2, 12^2\})$	18432
36	$\mathcal{O}(1; \{4^4, 12^2\})$	73728
36	$\mathcal{O}(1; \{2^3, 3, 6, 12^2\})$	13824
36	$\mathcal{O}(1; \{3, 4^2, 6, 12^2\})$	55296
36	$\mathcal{O}(1; \{3^2, 6^2, 12^2\})$	50688
36	$\mathcal{O}(1; \{2, 6^3, 12^2\})$	23040
36	$\mathcal{O}(1; \{3^2, 4, 12^3\})$	92160
36	$\mathcal{O}(1; \{2, 4, 6, 12^3\})$	55296
36	$\mathcal{O}(1; \{2, 3, 12^4\})$	92160
36	$\mathcal{O}(1; \{2^3, 4^2, 9, 18\})$	15552
36	$\mathcal{O}(1; \{4^4, 9, 18\})$	62208
36	$\mathcal{O}(1; \{3, 4^2, 6, 9, 18\})$	62208
36	$\mathcal{O}(1; \{3^2, 4, 9, 12, 18\})$	124416
36	$\mathcal{O}(1; \{2, 4, 6, 9, 12, 18\})$	62208
36	$\mathcal{O}(1; \{2, 3, 9, 12^2, 18\})$	124416
36	$\mathcal{O}(1; \{2, 4^2, 18^3\})$	46656
36	$\mathcal{O}(1; \{3^2, 4, 9^2, 36\})$	186624
36	$\mathcal{O}(1; \{2, 4, 6, 9^2, 36\})$	93312
36	$\mathcal{O}(1; \{2, 3, 9^2, 12, 36\})$	186624
36	$\mathcal{O}(1; \{2^3, 3, 4, 18, 36\})$	31104
36	$\mathcal{O}(1; \{3, 4^3, 18, 36\})$	124416
36	$\mathcal{O}(1; \{3^2, 4, 6, 18, 36\})$	124416
36	$\mathcal{O}(1; \{2, 4, 6^2, 18, 36\})$	62208
36	$\mathcal{O}(1; \{2^4, 12, 18, 36\})$	31104
36	$\mathcal{O}(1; \{3^3, 12, 18, 36\})$	248832
36	$\mathcal{O}(1; \{2, 4^2, 12, 18, 36\})$	124416
36	$\mathcal{O}(1; \{2, 3, 6, 12, 18, 36\})$	124416
36	$\mathcal{O}(1; \{2^4, 9, 36^2\})$	46656
36	$\mathcal{O}(1; \{3^3, 9, 36^2\})$	373248
36	$\mathcal{O}(1; \{2, 4^2, 9, 36^2\})$	186624

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{2, 3, 6, 9, 36^2\})$	186624
36	$\mathcal{O}(1; \{2^2, 18^2, 36^2\})$	419904
36	$\mathcal{O}(1; \{2, 3, 4, 36^3\})$	373248
36	$\mathcal{O}(1; \{2^2, 12, 36^3\})$	373248
36	$\mathcal{O}(1; \{18, 36^4\})$	8398080
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 9^3\})$	72
36	$\mathcal{O}(0; \{3^4, 4^2, 9^3\})$	576
36	$\mathcal{O}(0; \{2, 3, 4^4, 9^3\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 9^3\})$	288
36	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 9^3\})$	144
36	$\mathcal{O}(0; \{4^2, 9^6\})$	10692
36	$\mathcal{O}(0; \{2^5, 4, 9^3, 12\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 9^3, 12\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9^3, 12\})$	288
36	$\mathcal{O}(0; \{4, 6^3, 9^3, 12\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 9^3, 12^2\})$	576
36	$\mathcal{O}(0; \{2^3, 6, 9^3, 12^2\})$	288
36	$\mathcal{O}(0; \{4^2, 6, 9^3, 12^2\})$	1152
36	$\mathcal{O}(0; \{3, 6^2, 9^3, 12^2\})$	1152
36	$\mathcal{O}(0; \{3, 4, 9^3, 12^3\})$	2304
36	$\mathcal{O}(0; \{2, 9^3, 12^4\})$	2304
36	$\mathcal{O}(0; \{2^7, 4^2, 9, 18\})$	12
36	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 9, 18\})$	96
36	$\mathcal{O}(0; \{2^4, 4^4, 9, 18\})$	48
36	$\mathcal{O}(0; \{3^3, 4^4, 9, 18\})$	384
36	$\mathcal{O}(0; \{2, 4^6, 9, 18\})$	192
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 9, 18\})$	48
36	$\mathcal{O}(0; \{3^4, 4^2, 6, 9, 18\})$	384
36	$\mathcal{O}(0; \{2, 3, 4^4, 6, 9, 18\})$	192
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 9, 18\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 9, 18\})$	96
36	$\mathcal{O}(0; \{4^2, 6, 9^4, 18\})$	3240
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{3^5, 4, 9, 12, 18\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2^5, 4, 6, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 9, 12, 18\})$	192
36	$\mathcal{O}(0; \{4, 6^4, 9, 12, 18\})$	384
36	$\mathcal{O}(0; \{3, 4, 9^4, 12, 18\})$	6480
36	$\mathcal{O}(0; \{2^5, 3, 9, 12^2, 18\})$	96

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3^4, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9, 12^2, 18\})$	384
36	$\mathcal{O}(0; \{2^3, 6^2, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{4^2, 6^2, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{3, 6^3, 9, 12^2, 18\})$	768
36	$\mathcal{O}(0; \{2, 9^4, 12^2, 18\})$	6480
36	$\mathcal{O}(0; \{2^3, 4, 9, 12^3, 18\})$	384
36	$\mathcal{O}(0; \{4^3, 9, 12^3, 18\})$	1536
36	$\mathcal{O}(0; \{3, 4, 6, 9, 12^3, 18\})$	1536
36	$\mathcal{O}(0; \{3^2, 9, 12^4, 18\})$	3072
36	$\mathcal{O}(0; \{2, 6, 9, 12^4, 18\})$	1536
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^2, 18^2\})$	648
36	$\mathcal{O}(0; \{4^2, 6^2, 9^2, 18^2\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 12, 18^2\})$	648
36	$\mathcal{O}(0; \{4^3, 9^2, 12, 18^2\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 12, 18^2\})$	2592
36	$\mathcal{O}(0; \{3^2, 9^2, 12^2, 18^2\})$	5184
36	$\mathcal{O}(0; \{2, 6, 9^2, 12^2, 18^2\})$	2592
36	$\mathcal{O}(0; \{2^5, 4^2, 18^3\})$	36
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 18^3\})$	288
36	$\mathcal{O}(0; \{2^2, 4^4, 18^3\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 18^3\})$	144
36	$\mathcal{O}(0; \{4^2, 6^3, 18^3\})$	288
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 12, 18^3\})$	288
36	$\mathcal{O}(0; \{2^3, 4, 6, 12, 18^3\})$	144
36	$\mathcal{O}(0; \{4^3, 6, 12, 18^3\})$	576
36	$\mathcal{O}(0; \{3, 4, 6^2, 12, 18^3\})$	576
36	$\mathcal{O}(0; \{2^3, 3, 12^2, 18^3\})$	288
36	$\mathcal{O}(0; \{3, 4^2, 12^2, 18^3\})$	1152
36	$\mathcal{O}(0; \{3^2, 6, 12^2, 18^3\})$	1152
36	$\mathcal{O}(0; \{2, 6^2, 12^2, 18^3\})$	576
36	$\mathcal{O}(0; \{2, 4, 12^3, 18^3\})$	1152
36	$\mathcal{O}(0; \{3, 4^2, 9, 18^4\})$	3240
36	$\mathcal{O}(0; \{2, 4, 9, 12, 18^4\})$	3240
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{3^5, 4, 9^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2^5, 4, 6, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 9^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 9^2, 36\})$	288
36	$\mathcal{O}(0; \{4, 6^4, 9^2, 36\})$	576

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4, 9^5, 36\})$	21384
36	$\mathcal{O}(0; \{2^5, 3, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{2, 3^4, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^2, 12, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 6^2, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{4^2, 6^2, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{3, 6^3, 9^2, 12, 36\})$	1152
36	$\mathcal{O}(0; \{2, 9^5, 12, 36\})$	21384
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 12^2, 36\})$	576
36	$\mathcal{O}(0; \{4^3, 9^2, 12^2, 36\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 12^2, 36\})$	2304
36	$\mathcal{O}(0; \{3^2, 9^2, 12^3, 36\})$	4608
36	$\mathcal{O}(0; \{2, 6, 9^2, 12^3, 36\})$	2304
36	$\mathcal{O}(0; \{2^7, 3, 4, 18, 36\})$	24
36	$\mathcal{O}(0; \{2^3, 3^4, 4, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^4, 3, 4^3, 18, 36\})$	96
36	$\mathcal{O}(0; \{3^4, 4^3, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 3, 4^5, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 18, 36\})$	96
36	$\mathcal{O}(0; \{3^5, 4, 6, 18, 36\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^5, 4, 6^2, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 18, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 18, 36\})$	192
36	$\mathcal{O}(0; \{4, 6^5, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 4, 9^3, 18, 36\})$	1620
36	$\mathcal{O}(0; \{4^3, 9^3, 18, 36\})$	6480
36	$\mathcal{O}(0; \{3, 4, 6, 9^3, 18, 36\})$	6480
36	$\mathcal{O}(0; \{2^8, 12, 18, 36\})$	24
36	$\mathcal{O}(0; \{2^4, 3^3, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3^6, 12, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2^5, 4^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 4^4, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^5, 3, 6, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 6, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12, 18, 36\})$	384
36	$\mathcal{O}(0; \{2^3, 6^3, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{4^2, 6^3, 12, 18, 36\})$	768
36	$\mathcal{O}(0; \{3, 6^4, 12, 18, 36\})$	768

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^2, 9^3, 12, 18, 36\})$	12960
36	$\mathcal{O}(0; \{2, 6, 9^3, 12, 18, 36\})$	6480
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^2, 18, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 4, 6, 12^2, 18, 36\})$	384
36	$\mathcal{O}(0; \{4^3, 6, 12^2, 18, 36\})$	1536
36	$\mathcal{O}(0; \{3, 4, 6^2, 12^2, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2^3, 3, 12^3, 18, 36\})$	768
36	$\mathcal{O}(0; \{3, 4^2, 12^3, 18, 36\})$	3072
36	$\mathcal{O}(0; \{3^2, 6, 12^3, 18, 36\})$	3072
36	$\mathcal{O}(0; \{2, 6^2, 12^3, 18, 36\})$	1536
36	$\mathcal{O}(0; \{2, 4, 12^4, 18, 36\})$	3072
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{4^3, 6, 9, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2^3, 3, 9, 12, 18^2, 36\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 9, 12, 18^2, 36\})$	5184
36	$\mathcal{O}(0; \{3^2, 6, 9, 12, 18^2, 36\})$	5184
36	$\mathcal{O}(0; \{2, 6^2, 9, 12, 18^2, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 9, 12^2, 18^2, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4, 9^2, 18^3, 36\})$	10692
36	$\mathcal{O}(0; \{3^2, 4, 18^4, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 6, 18^4, 36\})$	3240
36	$\mathcal{O}(0; \{2, 3, 12, 18^4, 36\})$	6480
36	$\mathcal{O}(0; \{2^8, 9, 36^2\})$	36
36	$\mathcal{O}(0; \{2^4, 3^3, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3^6, 9, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^5, 4^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 4^4, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^5, 3, 6, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^4, 6, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 6^3, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{4^2, 6^3, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{3, 6^4, 9, 36^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 9^4, 36^2\})$	42768
36	$\mathcal{O}(0; \{2, 6, 9^4, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 12, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 12, 36^2\})$	576
36	$\mathcal{O}(0; \{4^3, 6, 9, 12, 36^2\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 12, 36^2\})$	2304

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3, 9, 12^2, 36^2\})$	1152
36	$\mathcal{O}(0; \{3, 4^2, 9, 12^2, 36^2\})$	4608
36	$\mathcal{O}(0; \{3^2, 6, 9, 12^2, 36^2\})$	4608
36	$\mathcal{O}(0; \{2, 6^2, 9, 12^2, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 4, 9, 12^3, 36^2\})$	4608
36	$\mathcal{O}(0; \{2^3, 3, 9^2, 18, 36^2\})$	3240
36	$\mathcal{O}(0; \{3, 4^2, 9^2, 18, 36^2\})$	12960
36	$\mathcal{O}(0; \{3^2, 6, 9^2, 18, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 6^2, 9^2, 18, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 4, 9^2, 12, 18, 36^2\})$	12960
36	$\mathcal{O}(0; \{2^6, 18^2, 36^2\})$	324
36	$\mathcal{O}(0; \{2^2, 3^3, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^3, 4^2, 18^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{4^4, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^3, 3, 6, 18^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 6, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{3^2, 6^2, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 6^3, 18^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{3^2, 4, 12, 18^2, 36^2\})$	10368
36	$\mathcal{O}(0; \{2, 4, 6, 12, 18^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 3, 12^2, 18^2, 36^2\})$	10368
36	$\mathcal{O}(0; \{2, 3, 9, 18^3, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^5, 3, 4, 36^3\})$	288
36	$\mathcal{O}(0; \{2, 3^4, 4, 36^3\})$	2304
36	$\mathcal{O}(0; \{2^2, 3, 4^3, 36^3\})$	1152
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 36^3\})$	1152
36	$\mathcal{O}(0; \{2^3, 4, 6^2, 36^3\})$	576
36	$\mathcal{O}(0; \{4^3, 6^2, 36^3\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6^3, 36^3\})$	2304
36	$\mathcal{O}(0; \{2, 4, 9^3, 36^3\})$	42768
36	$\mathcal{O}(0; \{2^6, 12, 36^3\})$	288
36	$\mathcal{O}(0; \{2^2, 3^3, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{2^3, 4^2, 12, 36^3\})$	1152
36	$\mathcal{O}(0; \{4^4, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{2^3, 3, 6, 12, 36^3\})$	1152
36	$\mathcal{O}(0; \{3, 4^2, 6, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{3^2, 6^2, 12, 36^3\})$	4608
36	$\mathcal{O}(0; \{2, 6^3, 12, 36^3\})$	2304
36	$\mathcal{O}(0; \{3^2, 4, 12^2, 36^3\})$	9216
36	$\mathcal{O}(0; \{2, 4, 6, 12^2, 36^3\})$	4608
36	$\mathcal{O}(0; \{2, 3, 12^3, 36^3\})$	9216
36	$\mathcal{O}(0; \{3^2, 4, 9, 18, 36^3\})$	25920
36	$\mathcal{O}(0; \{2, 4, 6, 9, 18, 36^3\})$	12960

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3, 9, 12, 18, 36^3\})$	25920
36	$\mathcal{O}(0; \{2, 3, 9^2, 36^4\})$	85536
36	$\mathcal{O}(0; \{2^4, 18, 36^4\})$	6480
36	$\mathcal{O}(0; \{3^3, 18, 36^4\})$	51840
36	$\mathcal{O}(0; \{2, 4^2, 18, 36^4\})$	25920
36	$\mathcal{O}(0; \{2, 3, 6, 18, 36^4\})$	25920
36	$\mathcal{O}(0; \{2^2, 36^6\})$	171072
39	$\mathcal{O}(1; \{3, 13^2, 39^2\})$	4855032
39	$\mathcal{O}(0; \{3^4, 13^2, 39^2\})$	35112
39	$\mathcal{O}(0; \{3, 13, 39^5\})$	5053224
40	$\mathcal{O}(1; \{2^2, 5^2, 8^2\})$	25600
40	$\mathcal{O}(1; \{5, 8^2, 10^2\})$	76800
40	$\mathcal{O}(1; \{4, 8^2, 10, 20\})$	102400
40	$\mathcal{O}(1; \{5^2, 8, 10, 40\})$	332800
40	$\mathcal{O}(1; \{4, 5, 8, 20, 40\})$	307200
40	$\mathcal{O}(1; \{5^3, 40^2\})$	1305600
40	$\mathcal{O}(1; \{2^3, 10, 40^2\})$	76800
40	$\mathcal{O}(1; \{4^2, 10, 40^2\})$	307200
40	$\mathcal{O}(1; \{2, 20^2, 40^2\})$	1331200
40	$\mathcal{O}(0; \{2^6, 5^2, 8^2\})$	16
40	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 8^2\})$	64
40	$\mathcal{O}(0; \{4^4, 5^2, 8^2\})$	256
40	$\mathcal{O}(0; \{2, 4, 5^2, 8^4\})$	512
40	$\mathcal{O}(0; \{2, 5^4, 8^2, 10\})$	816
40	$\mathcal{O}(0; \{2^4, 5, 8^2, 10^2\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 5, 8^2, 10^2\})$	192
40	$\mathcal{O}(0; \{2^2, 8^2, 10^4\})$	208
40	$\mathcal{O}(0; \{2, 4, 5^3, 8^2, 20\})$	832
40	$\mathcal{O}(0; \{2^4, 4, 8^2, 10, 20\})$	64
40	$\mathcal{O}(0; \{2, 4^3, 8^2, 10, 20\})$	256
40	$\mathcal{O}(0; \{2^2, 8^4, 10, 20\})$	512
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 10, 20^2\})$	832
40	$\mathcal{O}(0; \{8^2, 10^3, 20^2\})$	3264
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 20^3\})$	768
40	$\mathcal{O}(0; \{8^4, 20^3\})$	6144
40	$\mathcal{O}(0; \{5, 8^2, 20^4\})$	13056
40	$\mathcal{O}(0; \{2, 5^5, 8, 40\})$	3280
40	$\mathcal{O}(0; \{2^4, 5^2, 8, 10, 40\})$	208
40	$\mathcal{O}(0; \{2, 4^2, 5^2, 8, 10, 40\})$	832
40	$\mathcal{O}(0; \{2^2, 5, 8, 10^3, 40\})$	816
40	$\mathcal{O}(0; \{8, 10^5, 40\})$	3280
40	$\mathcal{O}(0; \{2^4, 4, 5, 8, 20, 40\})$	192
40	$\mathcal{O}(0; \{2, 4^3, 5, 8, 20, 40\})$	768

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^2, 5, 8^3, 20, 40\})$	1536
40	$\mathcal{O}(0; \{2^2, 4, 8, 10^2, 20, 40\})$	832
40	$\mathcal{O}(0; \{8^3, 10^2, 20, 40\})$	6656
40	$\mathcal{O}(0; \{2^2, 5^2, 8, 20^2, 40\})$	3264
40	$\mathcal{O}(0; \{5, 8, 10^2, 20^2, 40\})$	13120
40	$\mathcal{O}(0; \{4, 8, 10, 20^3, 40\})$	13056
40	$\mathcal{O}(0; \{2^4, 5^3, 40^2\})$	816
40	$\mathcal{O}(0; \{2, 4^2, 5^3, 40^2\})$	3264
40	$\mathcal{O}(0; \{2^7, 10, 40^2\})$	48
40	$\mathcal{O}(0; \{2^4, 4^2, 10, 40^2\})$	192
40	$\mathcal{O}(0; \{2, 4^4, 10, 40^2\})$	768
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 10, 40^2\})$	1536
40	$\mathcal{O}(0; \{8^4, 10, 40^2\})$	12288
40	$\mathcal{O}(0; \{2^2, 5^2, 10^2, 40^2\})$	3280
40	$\mathcal{O}(0; \{5, 10^4, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^2, 4, 5, 10, 20, 40^2\})$	3264
40	$\mathcal{O}(0; \{5, 8^2, 10, 20, 40^2\})$	26112
40	$\mathcal{O}(0; \{4, 10^3, 20, 40^2\})$	13120
40	$\mathcal{O}(0; \{2^5, 20^2, 40^2\})$	832
40	$\mathcal{O}(0; \{2^2, 4^2, 20^2, 40^2\})$	3328
40	$\mathcal{O}(0; \{4, 8^2, 20^2, 40^2\})$	26624
40	$\mathcal{O}(0; \{5^2, 10, 20^2, 40^2\})$	52416
40	$\mathcal{O}(0; \{4, 5, 20^3, 40^2\})$	52480
40	$\mathcal{O}(0; \{2^2, 4, 5, 8, 40^3\})$	6656
40	$\mathcal{O}(0; \{5, 8^3, 40^3\})$	53248
40	$\mathcal{O}(0; \{4, 8, 10^2, 40^3\})$	26112
40	$\mathcal{O}(0; \{5^2, 8, 20, 40^3\})$	104960
40	$\mathcal{O}(0; \{4, 5, 10, 40^4\})$	104960
40	$\mathcal{O}(0; \{2^3, 20, 40^4\})$	26112
40	$\mathcal{O}(0; \{4^2, 20, 40^4\})$	104448
40	$\mathcal{O}(0; \{2, 40^6\})$	839680
42	$\mathcal{O}(1; \{2^3, 7^2, 14\})$	47040
42	$\mathcal{O}(1; \{3, 6, 7^2, 14\})$	105840
42	$\mathcal{O}(1; \{2, 7, 14^3\})$	291648
42	$\mathcal{O}(1; \{2^2, 3^2, 7, 21\})$	21168
42	$\mathcal{O}(1; \{2^3, 6, 7, 21\})$	21168
42	$\mathcal{O}(1; \{3, 6^2, 7, 21\})$	63504
42	$\mathcal{O}(1; \{3^2, 14^2, 21\})$	105840
42	$\mathcal{O}(1; \{2, 6, 14^2, 21\})$	105840
42	$\mathcal{O}(1; \{2, 7^2, 21, 42\})$	656208
42	$\mathcal{O}(1; \{3^2, 7, 42^2\})$	317520
42	$\mathcal{O}(1; \{2, 6, 7, 42^2\})$	105840
42	$\mathcal{O}(0; \{2^3, 3^3, 7^2, 14\})$	60

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^4, 3, 6, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{3^4, 6, 7^2, 14\})$	300
42	$\mathcal{O}(0; \{2, 3^2, 6^2, 7^2, 14\})$	180
42	$\mathcal{O}(0; \{2^2, 6^3, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 7, 14^3\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 14^3\})$	372
42	$\mathcal{O}(0; \{6^3, 7, 14^3\})$	372
42	$\mathcal{O}(0; \{3, 6, 14^5\})$	2220
42	$\mathcal{O}(0; \{2^6, 3^2, 7, 21\})$	12
42	$\mathcal{O}(0; \{2^2, 3^5, 7, 21\})$	132
42	$\mathcal{O}(0; \{2^7, 6, 7, 21\})$	12
42	$\mathcal{O}(0; \{2^3, 3^3, 6, 7, 21\})$	60
42	$\mathcal{O}(0; \{2^4, 3, 6^2, 7, 21\})$	36
42	$\mathcal{O}(0; \{3^4, 6^2, 7, 21\})$	252
42	$\mathcal{O}(0; \{2, 3^2, 6^3, 7, 21\})$	132
42	$\mathcal{O}(0; \{2^2, 6^4, 7, 21\})$	60
42	$\mathcal{O}(0; \{6, 7^4, 14, 21\})$	13332
42	$\mathcal{O}(0; \{2^4, 3^2, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{3^5, 14^2, 21\})$	660
42	$\mathcal{O}(0; \{2^5, 6, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 14^2, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 14^2, 21\})$	180
42	$\mathcal{O}(0; \{6^4, 14^2, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 3, 7^3, 21^2\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^3, 21^2\})$	6660
42	$\mathcal{O}(0; \{3, 7^2, 14^2, 21^2\})$	13332
42	$\mathcal{O}(0; \{2^3, 7, 14, 21^3\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7, 14, 21^3\})$	11100
42	$\mathcal{O}(0; \{2, 14^3, 21^3\})$	13332
42	$\mathcal{O}(0; \{2^2, 3^2, 21^4\})$	4092
42	$\mathcal{O}(0; \{2^3, 6, 21^4\})$	1860
42	$\mathcal{O}(0; \{3, 6^2, 21^4\})$	7812
42	$\mathcal{O}(0; \{2^2, 3, 7^3, 14, 42\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^3, 14, 42\})$	2220
42	$\mathcal{O}(0; \{3, 7^2, 14^3, 42\})$	13332
42	$\mathcal{O}(0; \{2^5, 7^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{2, 3^3, 7^2, 21, 42\})$	1860
42	$\mathcal{O}(0; \{2^2, 3, 6, 7^2, 21, 42\})$	1116
42	$\mathcal{O}(0; \{6^3, 7^2, 21, 42\})$	1860
42	$\mathcal{O}(0; \{2^3, 7, 14^2, 21, 42\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7, 14^2, 21, 42\})$	6660
42	$\mathcal{O}(0; \{2, 14^4, 21, 42\})$	13332
42	$\mathcal{O}(0; \{2^2, 3^2, 14, 21^2, 42\})$	1860

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^3, 6, 14, 21^2, 42\})$	1116
42	$\mathcal{O}(0; \{3, 6^2, 14, 21^2, 42\})$	4092
42	$\mathcal{O}(0; \{2, 7, 21^4, 42\})$	66660
42	$\mathcal{O}(0; \{2^4, 3^2, 7, 42^2\})$	180
42	$\mathcal{O}(0; \{3^5, 7, 42^2\})$	1260
42	$\mathcal{O}(0; \{2^5, 6, 7, 42^2\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 7, 42^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 7, 42^2\})$	300
42	$\mathcal{O}(0; \{6^4, 7, 42^2\})$	660
42	$\mathcal{O}(0; \{2^2, 3^2, 14^2, 42^2\})$	1116
42	$\mathcal{O}(0; \{2^3, 6, 14^2, 42^2\})$	372
42	$\mathcal{O}(0; \{3, 6^2, 14^2, 42^2\})$	1860
42	$\mathcal{O}(0; \{3, 7^3, 21, 42^2\})$	39996
42	$\mathcal{O}(0; \{2, 7, 14, 21^2, 42^2\})$	39996
42	$\mathcal{O}(0; \{3^2, 21^3, 42^2\})$	46620
42	$\mathcal{O}(0; \{2, 6, 21^3, 42^2\})$	24420
42	$\mathcal{O}(0; \{2^3, 7^2, 42^3\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7^2, 42^3\})$	11100
42	$\mathcal{O}(0; \{2, 7, 14^2, 42^3\})$	13332
42	$\mathcal{O}(0; \{3^2, 14, 21, 42^3\})$	24420
42	$\mathcal{O}(0; \{2, 6, 14, 21, 42^3\})$	11100
44	$\mathcal{O}(2; \{44^2\})$	74961920
44	$\mathcal{O}(1; \{2^4, 44^2\})$	38720
44	$\mathcal{O}(1; \{2, 4^2, 44^2\})$	154880
44	$\mathcal{O}(0; \{2^3, 4, 11^3, 44\})$	1820
44	$\mathcal{O}(0; \{4^3, 11^3, 44\})$	7280
44	$\mathcal{O}(0; \{2, 4, 11^2, 22^2, 44\})$	18180
44	$\mathcal{O}(0; \{2^8, 44^2\})$	20
44	$\mathcal{O}(0; \{2^5, 4^2, 44^2\})$	80
44	$\mathcal{O}(0; \{2^2, 4^4, 44^2\})$	320
45	$\mathcal{O}(2; \{15^2\})$	32400000
45	$\mathcal{O}(1; \{3^2, 5^2, 15\})$	43200
45	$\mathcal{O}(1; \{3^3, 15^2\})$	72000
45	$\mathcal{O}(1; \{15, 45^3\})$	3790800
45	$\mathcal{O}(0; \{5^4, 9^3\})$	936
45	$\mathcal{O}(0; \{3, 5^2, 9^3, 15\})$	864
45	$\mathcal{O}(0; \{3^2, 9^3, 15^2\})$	1152
45	$\mathcal{O}(0; \{5^5, 9, 45\})$	4920
45	$\mathcal{O}(0; \{3, 5^3, 9, 15, 45\})$	4896
45	$\mathcal{O}(0; \{3^2, 5, 9, 15^2, 45\})$	4992
45	$\mathcal{O}(0; \{3^2, 5, 9^2, 45^2\})$	7776
45	$\mathcal{O}(0; \{3^2, 5^2, 45^3\})$	14688
45	$\mathcal{O}(0; \{3^3, 15, 45^3\})$	14976

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
45	$\mathcal{O}(0; \{45^6\})$	4383720
46	$\mathcal{O}(0; \{2^2, 23^5\})$	224070
46	$\mathcal{O}(0; \{23^4, 46^2\})$	4929562
48	$\mathcal{O}(1; \{2^2, 4, 16^2\})$	32768
48	$\mathcal{O}(1; \{8^2, 16^2\})$	262144
48	$\mathcal{O}(1; \{6, 12, 16^2\})$	73728
48	$\mathcal{O}(1; \{6, 8, 16, 48\})$	147456
48	$\mathcal{O}(1; \{4, 16, 24, 48\})$	294912
48	$\mathcal{O}(1; \{2^2, 3, 48^2\})$	36864
48	$\mathcal{O}(1; \{6^2, 48^2\})$	110592
48	$\mathcal{O}(1; \{4, 12, 48^2\})$	147456
48	$\mathcal{O}(0; \{2^2, 3^3, 4, 16^2\})$	32
48	$\mathcal{O}(0; \{2^3, 3, 4, 6, 16^2\})$	32
48	$\mathcal{O}(0; \{3, 4^3, 6, 16^2\})$	128
48	$\mathcal{O}(0; \{3^2, 4, 6^2, 16^2\})$	96
48	$\mathcal{O}(0; \{2, 4, 6^3, 16^2\})$	32
48	$\mathcal{O}(0; \{3^3, 8^2, 16^2\})$	256
48	$\mathcal{O}(0; \{2, 3, 6, 8^2, 16^2\})$	256
48	$\mathcal{O}(0; \{2^3, 3^2, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{3^2, 4^2, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{2^4, 6, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{3^3, 6, 12, 16^2\})$	160
48	$\mathcal{O}(0; \{2, 4^2, 6, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 3, 6^2, 12, 16^2\})$	96
48	$\mathcal{O}(0; \{2, 3, 4, 12^2, 16^2\})$	128
48	$\mathcal{O}(0; \{2^2, 12^3, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 3, 4, 8, 16^2, 24\})$	512
48	$\mathcal{O}(0; \{2^2, 8, 12, 16^2, 24\})$	512
48	$\mathcal{O}(0; \{12, 16^4, 24\})$	8192
48	$\mathcal{O}(0; \{2, 3^2, 16^2, 24^2\})$	768
48	$\mathcal{O}(0; \{2^2, 6, 16^2, 24^2\})$	256
48	$\mathcal{O}(0; \{12^2, 16^2, 24^2\})$	3072
48	$\mathcal{O}(0; \{8, 16^2, 24^3\})$	4096
48	$\mathcal{O}(0; \{2^3, 3^2, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{3^2, 4^2, 8, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^4, 6, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{3^3, 6, 8, 16, 48\})$	320
48	$\mathcal{O}(0; \{2, 4^2, 6, 8, 16, 48\})$	256
48	$\mathcal{O}(0; \{2, 3, 6^2, 8, 16, 48\})$	192
48	$\mathcal{O}(0; \{2, 3, 4, 8, 12, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^2, 8, 12^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2, 3^2, 16^3, 48\})$	1024
48	$\mathcal{O}(0; \{2^2, 6, 16^3, 48\})$	1024

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{12^2, 16^3, 48\})$	4096
48	$\mathcal{O}(0; \{2^4, 4, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{3^3, 4, 16, 24, 48\})$	640
48	$\mathcal{O}(0; \{2, 4^3, 16, 24, 48\})$	512
48	$\mathcal{O}(0; \{2, 3, 4, 6, 16, 24, 48\})$	384
48	$\mathcal{O}(0; \{2^2, 8^2, 16, 24, 48\})$	1024
48	$\mathcal{O}(0; \{2, 3^2, 12, 16, 24, 48\})$	640
48	$\mathcal{O}(0; \{2^2, 6, 12, 16, 24, 48\})$	384
48	$\mathcal{O}(0; \{12^3, 16, 24, 48\})$	2560
48	$\mathcal{O}(0; \{8, 16^3, 24, 48\})$	16384
48	$\mathcal{O}(0; \{8, 12, 16, 24^2, 48\})$	6144
48	$\mathcal{O}(0; \{6, 16, 24^3, 48\})$	5120
48	$\mathcal{O}(0; \{2^6, 3, 48^2\})$	16
48	$\mathcal{O}(0; \{2^2, 3^4, 48^2\})$	176
48	$\mathcal{O}(0; \{2^3, 3, 4^2, 48^2\})$	64
48	$\mathcal{O}(0; \{3, 4^4, 48^2\})$	256
48	$\mathcal{O}(0; \{2^3, 3^2, 6, 48^2\})$	80
48	$\mathcal{O}(0; \{3^2, 4^2, 6, 48^2\})$	320
48	$\mathcal{O}(0; \{2^4, 6^2, 48^2\})$	48
48	$\mathcal{O}(0; \{3^3, 6^2, 48^2\})$	336
48	$\mathcal{O}(0; \{2, 4^2, 6^2, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 3, 6^3, 48^2\})$	176
48	$\mathcal{O}(0; \{2, 3, 4, 8^2, 48^2\})$	512
48	$\mathcal{O}(0; \{2^4, 4, 12, 48^2\})$	64
48	$\mathcal{O}(0; \{3^3, 4, 12, 48^2\})$	704
48	$\mathcal{O}(0; \{2, 4^3, 12, 48^2\})$	256
48	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 48^2\})$	320
48	$\mathcal{O}(0; \{2^2, 8^2, 12, 48^2\})$	512
48	$\mathcal{O}(0; \{2, 3^2, 12^2, 48^2\})$	704
48	$\mathcal{O}(0; \{2^2, 6, 12^2, 48^2\})$	320
48	$\mathcal{O}(0; \{12^4, 48^2\})$	2816
48	$\mathcal{O}(0; \{8, 12, 16^2, 48^2\})$	8192
48	$\mathcal{O}(0; \{2, 3^2, 8, 24, 48^2\})$	1280
48	$\mathcal{O}(0; \{2^2, 6, 8, 24, 48^2\})$	768
48	$\mathcal{O}(0; \{8, 12^2, 24, 48^2\})$	5120
48	$\mathcal{O}(0; \{6, 16^2, 24, 48^2\})$	12288
48	$\mathcal{O}(0; \{2^2, 4, 24^2, 48^2\})$	1536
48	$\mathcal{O}(0; \{8^2, 24^2, 48^2\})$	12288
48	$\mathcal{O}(0; \{6, 12, 24^2, 48^2\})$	5632
48	$\mathcal{O}(0; \{2^2, 4, 16, 48^3\})$	2048
48	$\mathcal{O}(0; \{8^2, 16, 48^3\})$	16384
48	$\mathcal{O}(0; \{6, 12, 16, 48^3\})$	10240
48	$\mathcal{O}(0; \{6, 8, 48^4\})$	20480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{4, 24, 48^4\})$	40960
50	$\mathcal{O}(0; \{2^2, 5^2, 25^3\})$	4800
50	$\mathcal{O}(0; \{5, 10^2, 25^3\})$	19200
50	$\mathcal{O}(0; \{5^2, 25^2, 50^2\})$	104000
51	$\mathcal{O}(0; \{3, 17^4, 51\})$	123360
52	$\mathcal{O}(1; \{4^2, 13^2\})$	64896
52	$\mathcal{O}(0; \{2^4, 4^2, 13^2\})$	24
52	$\mathcal{O}(0; \{2, 4^4, 13^2\})$	96
52	$\mathcal{O}(0; \{2^2, 4^2, 13, 26^2\})$	264
52	$\mathcal{O}(0; \{4^2, 26^4\})$	3192
52	$\mathcal{O}(0; \{2^3, 13, 26, 52^2\})$	3192
52	$\mathcal{O}(0; \{4^2, 13, 26, 52^2\})$	12768
52	$\mathcal{O}(0; \{2, 26^3, 52^2\})$	38280
52	$\mathcal{O}(0; \{2, 13, 52^4\})$	153120
54	$\mathcal{O}(1; \{2, 9^2, 18\})$	46656
54	$\mathcal{O}(1; \{3^2, 18^2\})$	62208
54	$\mathcal{O}(1; \{2, 6, 18^2\})$	31104
54	$\mathcal{O}(0; \{2^2, 3^2, 27^3\})$	648
54	$\mathcal{O}(0; \{2^3, 6, 27^3\})$	324
54	$\mathcal{O}(0; \{3, 6^2, 27^3\})$	1296
54	$\mathcal{O}(0; \{2, 9, 18, 27^3\})$	5832
54	$\mathcal{O}(0; \{2^3, 9^2, 27, 54\})$	648
54	$\mathcal{O}(0; \{3, 6, 9^2, 27, 54\})$	2592
54	$\mathcal{O}(0; \{2^2, 3^2, 18, 27, 54\})$	432
54	$\mathcal{O}(0; \{2^3, 6, 18, 27, 54\})$	216
54	$\mathcal{O}(0; \{3, 6^2, 18, 27, 54\})$	864
54	$\mathcal{O}(0; \{2, 9, 18^2, 27, 54\})$	3888
54	$\mathcal{O}(0; \{3^2, 27^2, 54^2\})$	17496
54	$\mathcal{O}(0; \{2, 6, 27^2, 54^2\})$	8748
54	$\mathcal{O}(0; \{2, 9^2, 54^3\})$	5832
54	$\mathcal{O}(0; \{3^2, 18, 54^3\})$	3888
54	$\mathcal{O}(0; \{2, 6, 18, 54^3\})$	1944
55	$\mathcal{O}(0; \{5^4, 55^2\})$	8200
56	$\mathcal{O}(0; \{2^3, 8^2, 14^2\})$	24
56	$\mathcal{O}(0; \{4^2, 8^2, 14^2\})$	96
56	$\mathcal{O}(0; \{2, 8^2, 14, 28^2\})$	480
56	$\mathcal{O}(0; \{2, 7, 8, 14, 28, 56\})$	1488
56	$\mathcal{O}(0; \{2, 7^2, 14, 56^2\})$	4440
56	$\mathcal{O}(0; \{2, 4, 14, 28, 56^2\})$	2976
58	$\mathcal{O}(2; \{2^2\})$	11316480
58	$\mathcal{O}(1; \{2^6\})$	3360
59	$\mathcal{O}(1; \{59^3\})$	11508186
60	$\mathcal{O}(1; \{2^2, 20^2\})$	25600

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(1; \{20, 30, 60\})$	172800
60	$\mathcal{O}(1; \{15, 60^2\})$	172800
60	$\mathcal{O}(0; \{4, 5^3, 6, 12\})$	48
60	$\mathcal{O}(0; \{3, 5^3, 12^2\})$	48
60	$\mathcal{O}(0; \{2^2, 3, 4^2, 5, 15\})$	16
60	$\mathcal{O}(0; \{4^2, 5, 6^2, 15\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 10^2, 15\})$	48
60	$\mathcal{O}(0; \{2^3, 4, 5, 12, 15\})$	16
60	$\mathcal{O}(0; \{4^3, 5, 12, 15\})$	64
60	$\mathcal{O}(0; \{3, 4, 5, 6, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 4, 10^2, 12, 15\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 12^2, 15\})$	80
60	$\mathcal{O}(0; \{2, 5, 6, 12^2, 15\})$	48
60	$\mathcal{O}(0; \{3, 4, 5, 6, 10, 20\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 10, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 5, 6, 10, 12, 20\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 15, 20\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 12, 15, 20\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 15^2, 20\})$	144
60	$\mathcal{O}(0; \{2, 4, 6, 15^2, 20\})$	48
60	$\mathcal{O}(0; \{2, 3, 12, 15^2, 20\})$	144
60	$\mathcal{O}(0; \{2^2, 3^3, 20^2\})$	16
60	$\mathcal{O}(0; \{2^3, 3, 6, 20^2\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 6, 20^2\})$	64
60	$\mathcal{O}(0; \{3^2, 6^2, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 6^3, 20^2\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 12, 20^2\})$	64
60	$\mathcal{O}(0; \{2, 4, 6, 12, 20^2\})$	64
60	$\mathcal{O}(0; \{2, 3, 12^2, 20^2\})$	64
60	$\mathcal{O}(0; \{2, 3, 10, 15, 20^2\})$	208
60	$\mathcal{O}(0; \{4^2, 5^2, 6, 30\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 12, 30\})$	48
60	$\mathcal{O}(0; \{2, 5^2, 12^2, 30\})$	48
60	$\mathcal{O}(0; \{2^3, 4^2, 15, 30\})$	16
60	$\mathcal{O}(0; \{4^4, 15, 30\})$	64
60	$\mathcal{O}(0; \{3, 4^2, 6, 15, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 12, 15, 30\})$	80
60	$\mathcal{O}(0; \{2, 4, 6, 12, 15, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 12^2, 15, 30\})$	80
60	$\mathcal{O}(0; \{3^2, 4, 10, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 6, 10, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 10, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 15, 20, 30\})$	208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{3, 4^2, 5, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 4, 5, 12, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 4^2, 30^3\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 10, 60\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 10, 12, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 10, 15, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 6, 10, 15, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 10, 12, 15, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 5, 15^2, 60\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 5, 20, 60\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 20, 60\})$	192
60	$\mathcal{O}(0; \{3^2, 5, 6, 20, 60\})$	144
60	$\mathcal{O}(0; \{2, 5, 6^2, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 10^2, 20, 60\})$	208
60	$\mathcal{O}(0; \{2, 4, 5, 12, 20, 60\})$	192
60	$\mathcal{O}(0; \{2, 4, 5, 10, 30, 60\})$	208
60	$\mathcal{O}(0; \{2^4, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{3^3, 20, 30, 60\})$	240
60	$\mathcal{O}(0; \{2, 4^2, 20, 30, 60\})$	192
60	$\mathcal{O}(0; \{2, 3, 6, 20, 30, 60\})$	144
60	$\mathcal{O}(0; \{3^2, 5^2, 60^2\})$	624
60	$\mathcal{O}(0; \{2, 5^2, 6, 60^2\})$	208
60	$\mathcal{O}(0; \{2^4, 15, 60^2\})$	48
60	$\mathcal{O}(0; \{3^3, 15, 60^2\})$	528
60	$\mathcal{O}(0; \{2, 4^2, 15, 60^2\})$	192
60	$\mathcal{O}(0; \{2, 3, 6, 15, 60^2\})$	240
60	$\mathcal{O}(0; \{2, 3, 5, 30, 60^2\})$	624
60	$\mathcal{O}(0; \{2^2, 30^2, 60^2\})$	624
60	$\mathcal{O}(0; \{2^2, 20, 60^3\})$	832
60	$\mathcal{O}(0; \{30, 60^4\})$	16320
63	$\mathcal{O}(1; \{7, 21^2\})$	211680
63	$\mathcal{O}(0; \{9, 21^2, 63^2\})$	13392
63	$\mathcal{O}(0; \{7, 21, 63^3\})$	39960
64	$\mathcal{O}(1; \{4, 64^2\})$	262144
64	$\mathcal{O}(0; \{2^4, 4, 64^2\})$	64
64	$\mathcal{O}(0; \{2, 4^3, 64^2\})$	256
64	$\mathcal{O}(0; \{2^2, 8^2, 64^2\})$	512
64	$\mathcal{O}(0; \{8, 16^2, 64^2\})$	8192
65	$\mathcal{O}(0; \{5, 13, 65^3\})$	82992
66	$\mathcal{O}(1; \{3, 66^2\})$	87120
66	$\mathcal{O}(0; \{6, 11, 22, 33^2\})$	1820
66	$\mathcal{O}(0; \{2, 3^2, 11^2, 66\})$	180
66	$\mathcal{O}(0; \{2^2, 6, 11^2, 66\})$	180

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
66	$\mathcal{O}(0; \{6, 11, 22^2, 66\})$	1820
66	$\mathcal{O}(0; \{2^4, 3, 66^2\})$	20
66	$\mathcal{O}(0; \{3^4, 66^2\})$	220
66	$\mathcal{O}(0; \{2, 3^2, 6, 66^2\})$	100
66	$\mathcal{O}(0; \{2^2, 6^2, 66^2\})$	60
68	$\mathcal{O}(0; \{4, 17^3, 68\})$	7712
69	$\mathcal{O}(0; \{3, 23^3, 69\})$	20372
70	$\mathcal{O}(0; \{2^2, 5, 7, 10, 14\})$	24
70	$\mathcal{O}(0; \{7, 10^3, 14\})$	72
70	$\mathcal{O}(0; \{5, 10, 14^3\})$	120
70	$\mathcal{O}(0; \{2^2, 5, 7^2, 35\})$	120
70	$\mathcal{O}(0; \{7^2, 10^2, 35\})$	360
70	$\mathcal{O}(0; \{5, 7, 14^2, 35\})$	744
70	$\mathcal{O}(0; \{5^2, 14, 35, 70\})$	1560
70	$\mathcal{O}(0; \{5, 7^2, 70^2\})$	2232
72	$\mathcal{O}(1; \{2, 24^2\})$	36864
72	$\mathcal{O}(0; \{8^2, 9^3\})$	72
72	$\mathcal{O}(0; \{6, 8^2, 9, 18\})$	48
72	$\mathcal{O}(0; \{4, 8, 9, 18, 24\})$	96
72	$\mathcal{O}(0; \{3, 9, 18, 24^2\})$	192
72	$\mathcal{O}(0; \{4, 8^2, 18, 36\})$	96
72	$\mathcal{O}(0; \{3, 8, 18, 24, 36\})$	192
72	$\mathcal{O}(0; \{2^2, 3, 8, 9, 72\})$	48
72	$\mathcal{O}(0; \{6^2, 8, 9, 72\})$	96
72	$\mathcal{O}(0; \{4, 8, 9, 12, 72\})$	192
72	$\mathcal{O}(0; \{3, 8, 18^2, 72\})$	144
72	$\mathcal{O}(0; \{4, 6, 9, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 9, 12, 24, 72\})$	384
72	$\mathcal{O}(0; \{4, 6, 8, 36, 72\})$	192
72	$\mathcal{O}(0; \{3, 8, 12, 36, 72\})$	384
72	$\mathcal{O}(0; \{2^3, 24, 36, 72\})$	96
72	$\mathcal{O}(0; \{4^2, 24, 36, 72\})$	384
72	$\mathcal{O}(0; \{3, 6, 24, 36, 72\})$	384
72	$\mathcal{O}(0; \{3, 9^2, 72^2\})$	1296
72	$\mathcal{O}(0; \{2^3, 18, 72^2\})$	72
72	$\mathcal{O}(0; \{4^2, 18, 72^2\})$	288
72	$\mathcal{O}(0; \{3, 6, 18, 72^2\})$	288
72	$\mathcal{O}(0; \{2, 36^2, 72^2\})$	2592
72	$\mathcal{O}(0; \{2, 24, 72^3\})$	2304
75	$\mathcal{O}(0; \{3, 5, 15, 25^2\})$	640
78	$\mathcal{O}(0; \{2^2, 3^2, 13, 39\})$	24
78	$\mathcal{O}(0; \{2^3, 6, 13, 39\})$	24
78	$\mathcal{O}(0; \{3, 6^2, 13, 39\})$	72

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
78	$\mathcal{O}(0; \{3^2, 26^2, 39\})$	264
78	$\mathcal{O}(0; \{2, 6, 26^2, 39\})$	264
78	$\mathcal{O}(0; \{3^2, 13, 78^2\})$	792
78	$\mathcal{O}(0; \{2, 6, 13, 78^2\})$	264
80	$\mathcal{O}(0; \{2, 10^2, 16^2\})$	32
80	$\mathcal{O}(0; \{2, 5, 16, 20, 80\})$	192
80	$\mathcal{O}(0; \{2, 5, 10, 80^2\})$	416
80	$\mathcal{O}(0; \{2, 4, 20, 80^2\})$	384
84	$\mathcal{O}(0; \{3, 4^2, 21^2\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 21^2\})$	24
84	$\mathcal{O}(0; \{3, 4, 6, 7, 28\})$	24
84	$\mathcal{O}(0; \{3^2, 7, 12, 28\})$	24
84	$\mathcal{O}(0; \{2, 6, 7, 12, 28\})$	24
84	$\mathcal{O}(0; \{3, 4^2, 14, 42\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 14, 42\})$	24
84	$\mathcal{O}(0; \{2, 3, 28^2, 42\})$	120
84	$\mathcal{O}(0; \{2, 3, 21, 28, 84\})$	120
84	$\mathcal{O}(0; \{2, 4, 7, 42, 84\})$	120
84	$\mathcal{O}(0; \{2, 3, 14, 84^2\})$	120
87	$\mathcal{O}(2; \emptyset)$	56582400
87	$\mathcal{O}(1; \{3^3\})$	15120
88	$\mathcal{O}(1; \{88^2\})$	309760
88	$\mathcal{O}(0; \{2^4, 88^2\})$	40
88	$\mathcal{O}(0; \{2, 4^2, 88^2\})$	160
89	$\mathcal{O}(0; \{89^4\})$	673816
90	$\mathcal{O}(1; \{30^2\})$	57600
90	$\mathcal{O}(0; \{2, 5^2, 9, 18\})$	24
90	$\mathcal{O}(0; \{2, 3, 9, 10, 45\})$	48
90	$\mathcal{O}(0; \{2^2, 45^3\})$	216
90	$\mathcal{O}(0; \{2, 3, 5, 45, 90\})$	144
90	$\mathcal{O}(0; \{2^2, 30, 45, 90\})$	144
90	$\mathcal{O}(0; \{45^2, 90^2\})$	8424
90	$\mathcal{O}(0; \{30, 90^3\})$	1872
92	$\mathcal{O}(0; \{23^2, 92^2\})$	20372
96	$\mathcal{O}(0; \{12, 24, 32^2\})$	256
96	$\mathcal{O}(0; \{12, 16, 32, 96\})$	512
96	$\mathcal{O}(0; \{8, 32, 48, 96\})$	1024
96	$\mathcal{O}(0; \{2, 3^2, 96^2\})$	96
96	$\mathcal{O}(0; \{2^2, 6, 96^2\})$	32
96	$\mathcal{O}(0; \{12^2, 96^2\})$	384
96	$\mathcal{O}(0; \{8, 24, 96^2\})$	512
99	$\mathcal{O}(0; \{9, 11, 33, 99\})$	1080
99	$\mathcal{O}(0; \{9^2, 99^2\})$	1620

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
100	$\mathcal{O}(0; \{5, 25, 100^2\})$	2400
102	$\mathcal{O}(0; \{6, 17^2, 102\})$	480
104	$\mathcal{O}(0; \{8^2, 26^2\})$	48
105	$\mathcal{O}(0; \{5, 15, 21, 35\})$	144
108	$\mathcal{O}(0; \{4, 12, 27, 54\})$	72
108	$\mathcal{O}(0; \{4, 9, 54, 108\})$	216
108	$\mathcal{O}(0; \{3, 36, 54, 108\})$	432
108	$\mathcal{O}(0; \{3, 27, 108^2\})$	648
110	$\mathcal{O}(0; \{5^2, 110^2\})$	520
115	$\mathcal{O}(0; \{5^2, 23^2\})$	88
116	$\mathcal{O}(1; \{4^2\})$	26880
118	$\mathcal{O}(0; \{2^3, 59, 118\})$	58
118	$\mathcal{O}(0; \{2, 118^3\})$	3306
120	$\mathcal{O}(0; \{3, 8, 15, 40\})$	32
120	$\mathcal{O}(0; \{3, 6, 40^2\})$	32
120	$\mathcal{O}(0; \{2, 40, 60, 120\})$	192
120	$\mathcal{O}(0; \{3, 5, 120^2\})$	96
120	$\mathcal{O}(0; \{2, 30, 120^2\})$	96
126	$\mathcal{O}(0; \{2, 18, 21, 63\})$	72
128	$\mathcal{O}(0; \{2, 8, 128^2\})$	256
132	$\mathcal{O}(0; \{3, 4, 11, 132\})$	40
132	$\mathcal{O}(0; \{2, 11, 12, 132\})$	40
132	$\mathcal{O}(0; \{3^2, 132^2\})$	120
132	$\mathcal{O}(0; \{2, 6, 132^2\})$	40
174	$\mathcal{O}(1; \{2^2\})$	26880
176	$\mathcal{O}(0; \{2^2, 176^2\})$	80
177	$\mathcal{O}(0; \{177^3\})$	6612
178	$\mathcal{O}(0; \{2^2, 89^2\})$	88
178	$\mathcal{O}(0; \{89, 178^2\})$	7656
180	$\mathcal{O}(0; \{60, 90, 180\})$	288
180	$\mathcal{O}(0; \{45, 180^2\})$	432
184	$\mathcal{O}(0; \{23, 184^2\})$	1848
187	$\mathcal{O}(0; \{17, 187^2\})$	2400
192	$\mathcal{O}(0; \{12, 192^2\})$	128
195	$\mathcal{O}(0; \{15, 39, 65\})$	96
198	$\mathcal{O}(0; \{9, 198^2\})$	180
204	$\mathcal{O}(0; \{12, 17, 204\})$	64
207	$\mathcal{O}(0; \{9, 23, 207\})$	132
220	$\mathcal{O}(0; \{5, 220^2\})$	240
236	$\mathcal{O}(0; \{4, 118, 236\})$	116
264	$\mathcal{O}(0; \{3, 264^2\})$	80
267	$\mathcal{O}(0; \{3, 89, 267\})$	176
352	$\mathcal{O}(0; \{2, 352^2\})$	160

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
354	$\mathcal{O}(0; \{2, 177, 354\})$	116

Table 9: 89-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(89; \emptyset)$	1
2	$\mathcal{O}(45; \emptyset)$	1237940039285380274899124223
2	$\mathcal{O}(44; \{2^4\})$	309485009821345068724781056
2	$\mathcal{O}(43; \{2^8\})$	77371252455336267181195264
2	$\mathcal{O}(42; \{2^{12}\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^{16}\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{20}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{24}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{28}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{32}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{36}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{40}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{44}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{48}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{52}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{56}\})$	4611686018427387904
2	$\mathcal{O}(30; \{2^{60}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{64}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{68}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{72}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{76}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{80}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{84}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{88}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{92}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{96}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{100}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{104}\})$	274877906944
2	$\mathcal{O}(18; \{2^{108}\})$	68719476736
2	$\mathcal{O}(17; \{2^{112}\})$	17179869184
2	$\mathcal{O}(16; \{2^{116}\})$	4294967296
2	$\mathcal{O}(15; \{2^{120}\})$	1073741824
2	$\mathcal{O}(14; \{2^{124}\})$	268435456
2	$\mathcal{O}(13; \{2^{128}\})$	67108864
2	$\mathcal{O}(12; \{2^{132}\})$	16777216

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(11; \{2^{136}\})$	4194304
2	$\mathcal{O}(10; \{2^{140}\})$	1048576
2	$\mathcal{O}(9; \{2^{144}\})$	262144
2	$\mathcal{O}(8; \{2^{148}\})$	65536
2	$\mathcal{O}(7; \{2^{152}\})$	16384
2	$\mathcal{O}(6; \{2^{156}\})$	4096
2	$\mathcal{O}(5; \{2^{160}\})$	1024
2	$\mathcal{O}(4; \{2^{164}\})$	256
2	$\mathcal{O}(3; \{2^{168}\})$	64
2	$\mathcal{O}(2; \{2^{172}\})$	16
2	$\mathcal{O}(1; \{2^{176}\})$	4
2	$\mathcal{O}(0; \{2^{180}\})$	1
3	$\mathcal{O}(29; \{3^4\})$	28260772183477469009529622134
3	$\mathcal{O}(28; \{3^7\})$	21980600587149142562967483882
3	$\mathcal{O}(27; \{3^{10}\})$	19887210055039700414113437798
3	$\mathcal{O}(26; \{3^{13}\})$	17638753557588818106085017930
3	$\mathcal{O}(25; \{3^{16}\})$	15683199439116211654274859654
3	$\mathcal{O}(24; \{3^{19}\})$	13940143125000393568740695082
3	$\mathcal{O}(23; \{3^{22}\})$	12391291510962401087220526758
3	$\mathcal{O}(22; \{3^{25}\})$	11014475434452276753639737610
3	$\mathcal{O}(21; \{3^{28}\})$	9790645487138180792309477574
3	$\mathcal{O}(20; \{3^{31}\})$	8702795915621279061044629482
3	$\mathcal{O}(19; \{3^{34}\})$	7735818599768469471410956518
3	$\mathcal{O}(18; \{3^{37}\})$	6876283198893627273916633290
3	$\mathcal{O}(17; \{3^{40}\})$	6112251732449954000346117894
3	$\mathcal{O}(16; \{3^{43}\})$	5433112651055507656952327082
3	$\mathcal{O}(15; \{3^{46}\})$	4829433467606131041861303078
3	$\mathcal{O}(14; \{3^{49}\})$	4292829748983090332010872970
3	$\mathcal{O}(13; \{3^{52}\})$	3815848665762762212982412614
3	$\mathcal{O}(12; \{3^{55}\})$	3391865480678009161407147882
3	$\mathcal{O}(11; \{3^{58}\})$	3014991538380452776203822438
3	$\mathcal{O}(10; \{3^{61}\})$	2679992478560402446816024650
3	$\mathcal{O}(9; \{3^{64}\})$	2382215536498135510605433734
3	$\mathcal{O}(8; \{3^{67}\})$	2117524921331676009168771882
3	$\mathcal{O}(7; \{3^{70}\})$	1882244374517045341512050598
3	$\mathcal{O}(6; \{3^{73}\})$	1673106110681818081340856330
3	$\mathcal{O}(5; \{3^{76}\})$	1487205431717171627858893254
3	$\mathcal{O}(4; \{3^{79}\})$	1321960383748597002541199082
3	$\mathcal{O}(3; \{3^{82}\})$	1175075896665419557814403558
3	$\mathcal{O}(2; \{3^{85}\})$	1044511908147039606946136010
3	$\mathcal{O}(1; \{3^{88}\})$	928455029464035206174343174
3	$\mathcal{O}(0; \{3^{91}\})$	825293359523586849932749482
4	$\mathcal{O}(23; \emptyset)$	4951760157141450730852319232

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(22; \{2^4\})$	309485009821327476538736640
4	$\mathcal{O}(22; \{2, 4^2\})$	618970019642690137449562112
4	$\mathcal{O}(21; \{2^8\})$	19342813113829668748787712
4	$\mathcal{O}(21; \{2^5, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(21; \{2^2, 4^4\})$	154742504910672534362390528
4	$\mathcal{O}(20; \{2^{12}\})$	1208925819613529663078400
4	$\mathcal{O}(20; \{2^9, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^6, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(20; \{2^3, 4^6\})$	38685626227668133590597632
4	$\mathcal{O}(20; \{4^8\})$	154742504910672534362390528
4	$\mathcal{O}(19; \{2^{16}\})$	75557863725639445512192
4	$\mathcal{O}(19; \{2^{13}, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^{10}, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^7, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^4, 4^8\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{2, 4^{10}\})$	38685626227668133590597632
4	$\mathcal{O}(18; \{2^{20}\})$	4722366482800925736960
4	$\mathcal{O}(18; \{2^{17}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{14}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^{11}, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^8, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^5, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2^2, 4^{12}\})$	9671406556917033397649408
4	$\mathcal{O}(17; \{2^{24}\})$	295147905162172956672
4	$\mathcal{O}(17; \{2^{21}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{18}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{15}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^{12}, 4^8\})$	37778931862957161709568
4	$\mathcal{O}(17; \{2^9, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^6, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^3, 4^{14}\})$	2417851639229258349412352
4	$\mathcal{O}(17; \{4^{16}\})$	9671406556917033397649408
4	$\mathcal{O}(16; \{2^{28}\})$	18446744069414584320
4	$\mathcal{O}(16; \{2^{25}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{22}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{19}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{16}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^{13}, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^{10}, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^7, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2^4, 4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{2, 4^{18}\})$	2417851639229258349412352
4	$\mathcal{O}(15; \{2^{32}\})$	1152921503533105152

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(15; \{2^{29}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{26}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{23}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{20}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{17}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{14}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^{11}, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^8, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^5, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2^2, 4^{20}\})$	604462909807314587353088
4	$\mathcal{O}(14; \{2^{36}\})$	72057593769492480
4	$\mathcal{O}(14; \{2^{33}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{30}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{27}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{24}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{21}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{18}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{15}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^{12}, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^9, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^6, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^3, 4^{22}\})$	151115727451828646838272
4	$\mathcal{O}(14; \{4^{24}\})$	604462909807314587353088
4	$\mathcal{O}(13; \{2^{40}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^{37}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{34}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{31}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{28}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{25}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{22}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{19}, 4^{14}\})$	36893488147419103232
4	$\mathcal{O}(13; \{2^{16}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^{13}, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^{10}, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^7, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^4, 4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{2, 4^{26}\})$	151115727451828646838272
4	$\mathcal{O}(12; \{2^{44}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{41}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{38}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{35}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{32}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{29}, 4^{10}\})$	144115188075855872

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(12; \{2^{26}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{23}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{20}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{17}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{14}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^{11}, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^8, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2^5, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2^2, 4^{28}\})$	37778931862957161709568
4	$\mathcal{O}(11; \{2^{48}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{45}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{42}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{39}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{36}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{33}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{30}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{27}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{24}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{21}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{18}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{15}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^{12}, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^9, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^6, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^3, 4^{30}\})$	9444732965739290427392
4	$\mathcal{O}(11; \{4^{32}\})$	37778931862957161709568
4	$\mathcal{O}(10; \{2^{52}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{49}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{46}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{43}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{40}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{37}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{34}, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{31}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{28}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{25}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{22}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{19}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{16}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^{13}, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^{10}, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^7, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^4, 4^{32}\})$	2361183241434822606848

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2, 4^{34}\})$	9444732965739290427392
4	$\mathcal{O}(9; \{2^{56}\})$	68719214592
4	$\mathcal{O}(9; \{2^{53}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{50}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{47}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{44}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{41}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{38}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{35}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{32}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{29}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{26}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{23}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{20}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{17}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{14}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^{11}, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^8, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^5, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2^2, 4^{36}\})$	2361183241434822606848
4	$\mathcal{O}(8; \{2^{60}\})$	4294901760
4	$\mathcal{O}(8; \{2^{57}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{54}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{51}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{48}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{45}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{42}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{39}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{36}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{33}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{30}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{27}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{24}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{21}, 4^{26}\})$	144115188075855872
4	$\mathcal{O}(8; \{2^{18}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{15}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^{12}, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^9, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^6, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^3, 4^{38}\})$	590295810358705651712
4	$\mathcal{O}(8; \{4^{40}\})$	2361183241434822606848
4	$\mathcal{O}(7; \{2^{64}\})$	268419072
4	$\mathcal{O}(7; \{2^{61}, 4^2\})$	536870912

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^{58}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{55}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{52}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{49}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{46}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{43}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{40}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{37}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{34}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{31}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{28}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{25}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{22}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{19}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{16}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^{13}, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^{10}, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^7, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^4, 4^{40}\})$	147573952589676412928
4	$\mathcal{O}(7; \{2, 4^{42}\})$	590295810358705651712
4	$\mathcal{O}(6; \{2^{68}\})$	16773120
4	$\mathcal{O}(6; \{2^{65}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{62}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{59}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{56}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{53}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{50}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{47}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{44}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{41}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{38}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{35}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{32}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{29}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{26}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{23}, 4^{30}\})$	9007199254740992
4	$\mathcal{O}(6; \{2^{20}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{17}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{14}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^{11}, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^8, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^5, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2^2, 4^{44}\})$	147573952589676412928

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{72}\})$	1047552
4	$\mathcal{O}(5; \{2^{69}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{66}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{63}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{60}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{57}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{54}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{51}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{48}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{45}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{42}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{39}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{36}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{33}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{30}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{27}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{24}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{21}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{18}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{15}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^{12}, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^9, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^6, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^3, 4^{46}\})$	36893488147419103232
4	$\mathcal{O}(5; \{4^{48}\})$	147573952589676412928
4	$\mathcal{O}(4; \{2^{76}\})$	65280
4	$\mathcal{O}(4; \{2^{73}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{70}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{67}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{64}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{61}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{58}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{55}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{52}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{49}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{46}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{43}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{40}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{37}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{34}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{31}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{28}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{25}, 4^{34}\})$	562949953421312

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{22}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{19}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{16}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^{13}, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^{10}, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^7, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^4, 4^{48}\})$	9223372036854775808
4	$\mathcal{O}(4; \{2, 4^{50}\})$	36893488147419103232
4	$\mathcal{O}(3; \{2^{80}\})$	4032
4	$\mathcal{O}(3; \{2^{77}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{74}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{71}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{68}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{65}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{62}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{59}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{56}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{53}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{50}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{47}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{44}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{41}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{38}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{35}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{32}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{29}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{26}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{23}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{20}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{17}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{14}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^{11}, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^8, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{2^5, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2^2, 4^{52}\})$	9223372036854775808
4	$\mathcal{O}(2; \{2^{84}\})$	240
4	$\mathcal{O}(2; \{2^{81}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{78}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{75}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{72}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{69}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{66}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{63}, 4^{14}\})$	2097152

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{60}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{57}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{54}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{51}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{48}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{45}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{42}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{39}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{36}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{33}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{30}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{27}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{24}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{21}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{18}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{15}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^{12}, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^9, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^6, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(2; \{2^3, 4^{54}\})$	2305843009213693952
4	$\mathcal{O}(2; \{4^{56}\})$	9223372036854775808
4	$\mathcal{O}(1; \{2^{88}\})$	12
4	$\mathcal{O}(1; \{2^{85}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{82}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{79}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{76}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{73}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{70}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{67}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{64}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{61}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{58}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{55}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{52}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{49}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{46}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{43}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{40}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{37}, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^{34}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{31}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{28}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{25}, 4^{42}\})$	35184372088832

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{22}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{19}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{16}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^{13}, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^{10}, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^7, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^4, 4^{56}\})$	576460752303423488
4	$\mathcal{O}(1; \{2, 4^{58}\})$	2305843009213693952
4	$\mathcal{O}(0; \{2^{89}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{86}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{83}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{80}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{77}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{74}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{71}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{68}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{65}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{62}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{59}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{56}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{53}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{50}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{47}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{44}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{41}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{38}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{35}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{32}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{29}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{26}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{23}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{20}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{17}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{14}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^{11}, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^8, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^5, 4^{58}\})$	144115188075855872
4	$\mathcal{O}(0; \{2^2, 4^{60}\})$	576460752303423488
5	$\mathcal{O}(17; \{5^4\})$	30267983675003051757812500
5	$\mathcal{O}(15; \{5^9\})$	48827379941940307617187500
5	$\mathcal{O}(13; \{5^{14}\})$	80000001192092895507812500
5	$\mathcal{O}(11; \{5^{19}\})$	131071999998092651367187500
5	$\mathcal{O}(9; \{5^{24}\})$	214748364800003051757812500

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(7; \{5^{29}\})$	351843720888319995117187500
5	$\mathcal{O}(5; \{5^{34}\})$	576460752303423488007812500
5	$\mathcal{O}(3; \{5^{39}\})$	944473296573929042739187500
5	$\mathcal{O}(1; \{5^{44}\})$	1547425049106725343623905300
6	$\mathcal{O}(15; \{3^2\})$	442147839029684451610254
6	$\mathcal{O}(14; \{2^4, 3^2\})$	12281884428929630994432
6	$\mathcal{O}(14; \{3^5\})$	61409421915880230422550
6	$\mathcal{O}(14; \{2, 3^3, 6\})$	36845653286788892983296
6	$\mathcal{O}(14; \{2^2, 3, 6^2\})$	12281884428929630994432
6	$\mathcal{O}(14; \{6^4\})$	36845653286788892983296
6	$\mathcal{O}(13; \{2^8, 3^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^4, 3^5\})$	1705817281795782082560
6	$\mathcal{O}(13; \{3^8\})$	14670028404843264673722
6	$\mathcal{O}(13; \{2^5, 3^3, 6\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2, 3^6, 6\})$	7164432583542284746752
6	$\mathcal{O}(13; \{2^6, 3, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^2, 3^4, 6^2\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^3, 3^2, 6^3\})$	1705817281795782082560
6	$\mathcal{O}(13; \{2^4, 6^4\})$	1023490369077469249536
6	$\mathcal{O}(13; \{3^3, 6^4\})$	7164432583542284746752
6	$\mathcal{O}(13; \{2, 3, 6^5\})$	3752798019950720581632
6	$\mathcal{O}(12; \{2^{12}, 3^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^8, 3^5\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^4, 3^8\})$	407500795095659053056
6	$\mathcal{O}(12; \{3^{11}\})$	3231575880118398843030
6	$\mathcal{O}(12; \{2^9, 3^3, 6\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^5, 3^6, 6\})$	199012016209507909632
6	$\mathcal{O}(12; \{2, 3^9, 6\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2^{10}, 3, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^6, 3^4, 6^2\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^2, 3^7, 6^2\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^7, 3^2, 6^3\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^3, 3^5, 6^3\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^8, 6^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^4, 3^3, 6^4\})$	199012016209507909632
6	$\mathcal{O}(12; \{3^6, 6^4\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2^5, 3, 6^5\})$	104244389443075571712
6	$\mathcal{O}(12; \{2, 3^4, 6^5\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^2, 3^2, 6^6\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^3, 6^7\})$	199012016209507909632
6	$\mathcal{O}(12; \{3, 6^8\})$	805524827514674872320
6	$\mathcal{O}(11; \{2^{16}, 3^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{12}, 3^5\})$	1316217038422671360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(11; \{2^8, 3^8\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^4, 3^{11}\})$	89766002020426186752
6	$\mathcal{O}(11; \{3^{14}\})$	718917574983115512474
6	$\mathcal{O}(11; \{2^{13}, 3^3, 6\})$	789730223053602816
6	$\mathcal{O}(11; \{2^9, 3^6, 6\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^5, 3^9, 6\})$	45014622714055360512
6	$\mathcal{O}(11; \{2, 3^{12}, 6\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^{14}, 3, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{10}, 3^4, 6^2\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^6, 3^7, 6^2\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^2, 3^{10}, 6^2\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{11}, 3^2, 6^3\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^7, 3^5, 6^3\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^3, 3^8, 6^3\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^{12}, 6^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^8, 3^3, 6^4\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^4, 3^6, 6^4\})$	45014622714055360512
6	$\mathcal{O}(11; \{3^9, 6^4\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^9, 3, 6^5\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^5, 3^4, 6^5\})$	22375689653185413120
6	$\mathcal{O}(11; \{2, 3^7, 6^5\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^6, 3^2, 6^6\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^2, 3^5, 6^6\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^7, 6^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^3, 3^3, 6^7\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^4, 3, 6^8\})$	22375689653185413120
6	$\mathcal{O}(11; \{3^4, 6^8\})$	179795247448536907776
6	$\mathcal{O}(11; \{2, 3^2, 6^9\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^2, 6^{10}\})$	45014622714055360512
6	$\mathcal{O}(10; \{2^{20}, 3^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{16}, 3^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{12}, 3^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^8, 3^{11}\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^4, 3^{14}\})$	19969937399623974912
6	$\mathcal{O}(10; \{3^{17}\})$	159737409908740941750
6	$\mathcal{O}(10; \{2^{17}, 3^3, 6\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{13}, 3^6, 6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^9, 3^9, 6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^5, 3^{12}, 6\})$	9981312541371924480
6	$\mathcal{O}(10; \{2, 3^{15}, 6\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^{18}, 3, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{14}, 3^4, 6^2\})$	80435485681385472
6	$\mathcal{O}(10; \{2^{10}, 3^7, 6^2\})$	621546934810705920

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^6, 3^{10}, 6^2\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^2, 3^{13}, 6^2\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{15}, 3^2, 6^3\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{11}, 3^5, 6^3\})$	314429625845415936
6	$\mathcal{O}(10; \{2^7, 3^8, 6^3\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^3, 3^{11}, 6^3\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{16}, 6^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{12}, 3^3, 6^4\})$	153558654482644992
6	$\mathcal{O}(10; \{2^8, 3^6, 6^4\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^4, 3^9, 6^4\})$	9981312541371924480
6	$\mathcal{O}(10; \{3^{12}, 6^4\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^{13}, 3, 6^5\})$	80435485681385472
6	$\mathcal{O}(10; \{2^9, 3^4, 6^5\})$	621546934810705920
6	$\mathcal{O}(10; \{2^5, 3^7, 6^5\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 3^{10}, 6^5\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{10}, 3^2, 6^6\})$	314429625845415936
6	$\mathcal{O}(10; \{2^6, 3^5, 6^6\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^8, 6^6\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{11}, 6^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^7, 3^3, 6^7\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 3^6, 6^7\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^8, 3, 6^8\})$	621546934810705920
6	$\mathcal{O}(10; \{2^4, 3^4, 6^8\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^7, 6^8\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^5, 3^2, 6^9\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^5, 6^9\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^6, 6^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^2, 3^3, 6^{10}\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^3, 3, 6^{11}\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^2, 6^{12}\})$	19969937399623974912
6	$\mathcal{O}(10; \{2, 6^{13}\})$	9981312541371924480
6	$\mathcal{O}(9; \{2^{24}, 3^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{20}, 3^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{16}, 3^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{12}, 3^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^8, 3^{14}\})$	554720483322888192
6	$\mathcal{O}(9; \{2^4, 3^{17}\})$	4437154506843095040
6	$\mathcal{O}(9; \{3^{20}\})$	35497710000950932602
6	$\mathcal{O}(9; \{2^{21}, 3^3, 6\})$	609359740010496
6	$\mathcal{O}(9; \{2^{17}, 3^6, 6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{13}, 3^9, 6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^9, 3^{12}, 6\})$	277258681704775680
6	$\mathcal{O}(9; \{2^5, 3^{15}, 6\})$	2218678813378215936

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2, 3^{18}, 6\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{22}, 3, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{18}, 3^4, 6^2\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{14}, 3^7, 6^2\})$	17265192633630720
6	$\mathcal{O}(9; \{2^{10}, 3^{10}, 6^2\})$	138730900809056256
6	$\mathcal{O}(9; \{2^6, 3^{13}, 6^2\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^2, 3^{16}, 6^2\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{19}, 3^2, 6^3\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{15}, 3^5, 6^3\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{11}, 3^8, 6^3\})$	69263890447859712
6	$\mathcal{O}(9; \{2^7, 3^{11}, 6^3\})$	554720483322888192
6	$\mathcal{O}(9; \{2^3, 3^{14}, 6^3\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{20}, 6^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{16}, 3^3, 6^4\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{12}, 3^6, 6^4\})$	34733505180598272
6	$\mathcal{O}(9; \{2^8, 3^9, 6^4\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 3^{12}, 6^4\})$	2218678813378215936
6	$\mathcal{O}(9; \{3^{15}, 6^4\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{17}, 3, 6^5\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{13}, 3^4, 6^5\})$	17265192633630720
6	$\mathcal{O}(9; \{2^9, 3^7, 6^5\})$	138730900809056256
6	$\mathcal{O}(9; \{2^5, 3^{10}, 6^5\})$	1109237846732439552
6	$\mathcal{O}(9; \{2, 3^{13}, 6^5\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{14}, 3^2, 6^6\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{10}, 3^5, 6^6\})$	69263890447859712
6	$\mathcal{O}(9; \{2^6, 3^8, 6^6\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3^{11}, 6^6\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{15}, 6^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{11}, 3^3, 6^7\})$	34733505180598272
6	$\mathcal{O}(9; \{2^7, 3^6, 6^7\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3^9, 6^7\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^{12}, 3, 6^8\})$	17265192633630720
6	$\mathcal{O}(9; \{2^8, 3^4, 6^8\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^7, 6^8\})$	1109237846732439552
6	$\mathcal{O}(9; \{3^{10}, 6^8\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^9, 3^2, 6^9\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^5, 6^9\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^8, 6^9\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{10}, 6^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^6, 3^3, 6^{10}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^6, 6^{10}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^7, 3, 6^{11}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^3, 3^4, 6^{11}\})$	1109237846732439552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^4, 3^2, 6^{12}\})$	554720483322888192
6	$\mathcal{O}(9; \{3^5, 6^{12}\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^5, 6^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{2, 3^3, 6^{13}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^2, 3, 6^{14}\})$	1109237846732439552
6	$\mathcal{O}(9; \{6^{16}\})$	2218678813378215936
6	$\mathcal{O}(8; \{2^{28}, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{24}, 3^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{20}, 3^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{16}, 3^{11}\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{12}, 3^{14}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^8, 3^{17}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^4, 3^{20}\})$	986051261513465856
6	$\mathcal{O}(8; \{3^{23}\})$	7888272798120928470
6	$\mathcal{O}(8; \{2^{25}, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2^{21}, 3^6, 6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{17}, 3^9, 6\})$	964819588349952
6	$\mathcal{O}(8; \{2^{13}, 3^{12}, 6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^9, 3^{15}, 6\})$	61629967038283776
6	$\mathcal{O}(8; \{2^5, 3^{18}, 6\})$	493022809646825472
6	$\mathcal{O}(8; \{2, 3^{21}, 6\})$	3944199403834048512
6	$\mathcal{O}(8; \{2^{26}, 3, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{22}, 3^4, 6^2\})$	62064417964032
6	$\mathcal{O}(8; \{2^{18}, 3^7, 6^2\})$	479588684267520
6	$\mathcal{O}(8; \{2^{14}, 3^{10}, 6^2\})$	3853636133584896
6	$\mathcal{O}(8; \{2^{10}, 3^{13}, 6^2\})$	30812162409234432
6	$\mathcal{O}(8; \{2^6, 3^{16}, 6^2\})$	246514225933320192
6	$\mathcal{O}(8; \{2^2, 3^{19}, 6^2\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{23}, 3^2, 6^3\})$	28211099074560
6	$\mathcal{O}(8; \{2^{19}, 3^5, 6^3\})$	242615452041216
6	$\mathcal{O}(8; \{2^{15}, 3^8, 6^3\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{11}, 3^{11}, 6^3\})$	15408902314524672
6	$\mathcal{O}(8; \{2^7, 3^{14}, 6^3\})$	123254291856752640
6	$\mathcal{O}(8; \{2^3, 3^{17}, 6^3\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{24}, 6^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{20}, 3^3, 6^4\})$	118486616113152
6	$\mathcal{O}(8; \{2^{16}, 3^6, 6^4\})$	964819588349952
6	$\mathcal{O}(8; \{2^{12}, 3^9, 6^4\})$	7701630047354880
6	$\mathcal{O}(8; \{2^8, 3^{12}, 6^4\})$	61629967038283776
6	$\mathcal{O}(8; \{2^4, 3^{15}, 6^4\})$	493022809646825472
6	$\mathcal{O}(8; \{3^{18}, 6^4\})$	3944199403834048512
6	$\mathcal{O}(8; \{2^{21}, 3, 6^5\})$	62064417964032
6	$\mathcal{O}(8; \{2^{17}, 3^4, 6^5\})$	479588684267520

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{13}, 3^7, 6^5\})$	3853636133584896
6	$\mathcal{O}(8; \{2^9, 3^{10}, 6^5\})$	30812162409234432
6	$\mathcal{O}(8; \{2^5, 3^{13}, 6^5\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 3^{16}, 6^5\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{18}, 3^2, 6^6\})$	242615452041216
6	$\mathcal{O}(8; \{2^{14}, 3^5, 6^6\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{10}, 3^8, 6^6\})$	15408902314524672
6	$\mathcal{O}(8; \{2^6, 3^{11}, 6^6\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^{14}, 6^6\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{19}, 6^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{15}, 3^3, 6^7\})$	964819588349952
6	$\mathcal{O}(8; \{2^{11}, 3^6, 6^7\})$	7701630047354880
6	$\mathcal{O}(8; \{2^7, 3^9, 6^7\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^{12}, 6^7\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{16}, 3, 6^8\})$	479588684267520
6	$\mathcal{O}(8; \{2^{12}, 3^4, 6^8\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^7, 6^8\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^{10}, 6^8\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{13}, 6^8\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{13}, 3^2, 6^9\})$	1923996956884992
6	$\mathcal{O}(8; \{2^9, 3^5, 6^9\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^8, 6^9\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^{11}, 6^9\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{14}, 6^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^{10}, 3^3, 6^{10}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^6, 6^{10}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^9, 6^{10}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{11}, 3, 6^{11}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^7, 3^4, 6^{11}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^7, 6^{11}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^8, 3^2, 6^{12}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^5, 6^{12}\})$	123254291856752640
6	$\mathcal{O}(8; \{3^8, 6^{12}\})$	986051261513465856
6	$\mathcal{O}(8; \{2^9, 6^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^5, 3^3, 6^{13}\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^6, 6^{13}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^6, 3, 6^{14}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^2, 3^4, 6^{14}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^3, 3^2, 6^{15}\})$	123254291856752640
6	$\mathcal{O}(8; \{2^4, 6^{16}\})$	61629967038283776
6	$\mathcal{O}(8; \{3^3, 6^{16}\})$	493022809646825472
6	$\mathcal{O}(8; \{2, 3, 6^{17}\})$	246514225933320192
6	$\mathcal{O}(7; \{2^{32}, 3^2\})$	156728328192

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{28}, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{24}, 3^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{20}, 3^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{16}, 3^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^{12}, 3^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^8, 3^{20}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^4, 3^{23}\})$	219122032373563392
6	$\mathcal{O}(7; \{3^{26}\})$	1752869735964923994
6	$\mathcal{O}(7; \{2^{29}, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^{25}, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{21}, 3^9, 6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{17}, 3^{12}, 6\})$	213934167982080
6	$\mathcal{O}(7; \{2^{13}, 3^{15}, 6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^9, 3^{18}, 6\})$	13695078045745152
6	$\mathcal{O}(7; \{2^5, 3^{21}, 6\})$	109561094550945792
6	$\mathcal{O}(7; \{2, 3^{24}, 6\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{30}, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{26}, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2^{22}, 3^7, 6^2\})$	13321907896320
6	$\mathcal{O}(7; \{2^{18}, 3^{10}, 6^2\})$	107045448155136
6	$\mathcal{O}(7; \{2^{14}, 3^{13}, 6^2\})$	855893400256512
6	$\mathcal{O}(7; \{2^{10}, 3^{16}, 6^2\})$	6847617387036672
6	$\mathcal{O}(7; \{2^6, 3^{19}, 6^2\})$	54780468911308800
6	$\mathcal{O}(7; \{2^2, 3^{22}, 6^2\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{27}, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^{23}, 3^5, 6^3\})$	6739318112256
6	$\mathcal{O}(7; \{2^{19}, 3^8, 6^3\})$	53444359913472
6	$\mathcal{O}(7; \{2^{15}, 3^{11}, 6^3\})$	428025064292352
6	$\mathcal{O}(7; \{2^{11}, 3^{14}, 6^3\})$	3423730329354240
6	$\mathcal{O}(7; \{2^7, 3^{17}, 6^3\})$	27390312819818496
6	$\mathcal{O}(7; \{2^3, 3^{20}, 6^3\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{28}, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{24}, 3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{2^{20}, 3^6, 6^4\})$	26800544120832
6	$\mathcal{O}(7; \{2^{16}, 3^9, 6^4\})$	213934167982080
6	$\mathcal{O}(7; \{2^{12}, 3^{12}, 6^4\})$	1711943528841216
6	$\mathcal{O}(7; \{2^8, 3^{15}, 6^4\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 3^{18}, 6^4\})$	109561094550945792
6	$\mathcal{O}(7; \{3^{21}, 6^4\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{25}, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(7; \{2^{21}, 3^4, 6^5\})$	13321907896320
6	$\mathcal{O}(7; \{2^{17}, 3^7, 6^5\})$	107045448155136
6	$\mathcal{O}(7; \{2^{13}, 3^{10}, 6^5\})$	855893400256512

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^9, 3^{13}, 6^5\})$	6847617387036672
6	$\mathcal{O}(7; \{2^5, 3^{16}, 6^5\})$	54780468911308800
6	$\mathcal{O}(7; \{2, 3^{19}, 6^5\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{22}, 3^2, 6^6\})$	6739318112256
6	$\mathcal{O}(7; \{2^{18}, 3^5, 6^6\})$	53444359913472
6	$\mathcal{O}(7; \{2^{14}, 3^8, 6^6\})$	428025064292352
6	$\mathcal{O}(7; \{2^{10}, 3^{11}, 6^6\})$	3423730329354240
6	$\mathcal{O}(7; \{2^6, 3^{14}, 6^6\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3^{17}, 6^6\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{23}, 6^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{19}, 3^3, 6^7\})$	26800544120832
6	$\mathcal{O}(7; \{2^{15}, 3^6, 6^7\})$	213934167982080
6	$\mathcal{O}(7; \{2^{11}, 3^9, 6^7\})$	1711943528841216
6	$\mathcal{O}(7; \{2^7, 3^{12}, 6^7\})$	13695078045745152
6	$\mathcal{O}(7; \{2^3, 3^{15}, 6^7\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{20}, 3, 6^8\})$	13321907896320
6	$\mathcal{O}(7; \{2^{16}, 3^4, 6^8\})$	107045448155136
6	$\mathcal{O}(7; \{2^{12}, 3^7, 6^8\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^{10}, 6^8\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{13}, 6^8\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{16}, 6^8\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{17}, 3^2, 6^9\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^5, 6^9\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^8, 6^9\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^{11}, 6^9\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{14}, 6^9\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{18}, 6^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{14}, 3^3, 6^{10}\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^6, 6^{10}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^9, 6^{10}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{12}, 6^{10}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{15}, 3, 6^{11}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{11}, 3^4, 6^{11}\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^7, 6^{11}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^{10}, 6^{11}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{12}, 3^2, 6^{12}\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^5, 6^{12}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^8, 6^{12}\})$	27390312819818496
6	$\mathcal{O}(7; \{3^{11}, 6^{12}\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{13}, 6^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^9, 3^3, 6^{13}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^6, 6^{13}\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^9, 6^{13}\})$	109561094550945792

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{10}, 3, 6^{14}\})$	855893400256512
6	$\mathcal{O}(7; \{2^6, 3^4, 6^{14}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^7, 6^{14}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^7, 3^2, 6^{15}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^5, 6^{15}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^8, 6^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^4, 3^3, 6^{16}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^6, 6^{16}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^5, 3, 6^{17}\})$	6847617387036672
6	$\mathcal{O}(7; \{2, 3^4, 6^{17}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^2, 3^2, 6^{18}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^3, 6^{19}\})$	13695078045745152
6	$\mathcal{O}(7; \{3, 6^{20}\})$	54780468911308800
6	$\mathcal{O}(6; \{2^{36}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{32}, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{28}, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{24}, 3^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{20}, 3^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{16}, 3^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^{12}, 3^{20}\})$	760842022772736
6	$\mathcal{O}(6; \{2^8, 3^{23}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^4, 3^{26}\})$	48693798032596992
6	$\mathcal{O}(6; \{3^{29}\})$	389455266128988150
6	$\mathcal{O}(6; \{2^{33}, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^{29}, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^{25}, 3^9, 6\})$	744459558912
6	$\mathcal{O}(6; \{2^{21}, 3^{12}, 6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{17}, 3^{15}, 6\})$	47553986912256
6	$\mathcal{O}(6; \{2^{13}, 3^{18}, 6\})$	380418834604032
6	$\mathcal{O}(6; \{2^9, 3^{21}, 6\})$	3043363737526272
6	$\mathcal{O}(6; \{2^5, 3^{24}, 6\})$	24346896839516160
6	$\mathcal{O}(6; \{2, 3^{27}, 6\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{34}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{30}, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^{26}, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^{22}, 3^{10}, 6^2\})$	2973484670976
6	$\mathcal{O}(6; \{2^{18}, 3^{13}, 6^2\})$	23774816673792
6	$\mathcal{O}(6; \{2^{14}, 3^{16}, 6^2\})$	190211594084352
6	$\mathcal{O}(6; \{2^{10}, 3^{19}, 6^2\})$	1521679691980800
6	$\mathcal{O}(6; \{2^6, 3^{22}, 6^2\})$	12173450596540416
6	$\mathcal{O}(6; \{2^2, 3^{25}, 6^2\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{31}, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^{27}, 3^5, 6^3\})$	187203280896

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{23}, 3^8, 6^3\})$	1484565553152
6	$\mathcal{O}(6; \{2^{19}, 3^{11}, 6^3\})$	11889585119232
6	$\mathcal{O}(6; \{2^{15}, 3^{14}, 6^3\})$	95103620259840
6	$\mathcal{O}(6; \{2^{11}, 3^{17}, 6^3\})$	760842022772736
6	$\mathcal{O}(6; \{2^7, 3^{20}, 6^3\})$	6086723121487872
6	$\mathcal{O}(6; \{2^3, 3^{23}, 6^3\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{32}, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{28}, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^{24}, 3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{2^{20}, 3^9, 6^4\})$	5942615777280
6	$\mathcal{O}(6; \{2^{16}, 3^{12}, 6^4\})$	47553986912256
6	$\mathcal{O}(6; \{2^{12}, 3^{15}, 6^4\})$	380418834604032
6	$\mathcal{O}(6; \{2^8, 3^{18}, 6^4\})$	3043363737526272
6	$\mathcal{O}(6; \{2^4, 3^{21}, 6^4\})$	24346896839516160
6	$\mathcal{O}(6; \{3^{24}, 6^4\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{29}, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2^{25}, 3^4, 6^5\})$	370052997120
6	$\mathcal{O}(6; \{2^{21}, 3^7, 6^5\})$	2973484670976
6	$\mathcal{O}(6; \{2^{17}, 3^{10}, 6^5\})$	23774816673792
6	$\mathcal{O}(6; \{2^{13}, 3^{13}, 6^5\})$	190211594084352
6	$\mathcal{O}(6; \{2^9, 3^{16}, 6^5\})$	1521679691980800
6	$\mathcal{O}(6; \{2^5, 3^{19}, 6^5\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 3^{22}, 6^5\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{26}, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2^{22}, 3^5, 6^6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{18}, 3^8, 6^6\})$	11889585119232
6	$\mathcal{O}(6; \{2^{14}, 3^{11}, 6^6\})$	95103620259840
6	$\mathcal{O}(6; \{2^{10}, 3^{14}, 6^6\})$	760842022772736
6	$\mathcal{O}(6; \{2^6, 3^{17}, 6^6\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^{20}, 6^6\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{27}, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{23}, 3^3, 6^7\})$	744459558912
6	$\mathcal{O}(6; \{2^{19}, 3^6, 6^7\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^9, 6^7\})$	47553986912256
6	$\mathcal{O}(6; \{2^{11}, 3^{12}, 6^7\})$	380418834604032
6	$\mathcal{O}(6; \{2^7, 3^{15}, 6^7\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 3^{18}, 6^7\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{24}, 3, 6^8\})$	370052997120
6	$\mathcal{O}(6; \{2^{20}, 3^4, 6^8\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^7, 6^8\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^{10}, 6^8\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{13}, 6^8\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{16}, 6^8\})$	12173450596540416

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{3^{19}, 6^8\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{21}, 3^2, 6^9\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^5, 6^9\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3^8, 6^9\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^{11}, 6^9\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{14}, 6^9\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{17}, 6^9\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{22}, 6^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{18}, 3^3, 6^{10}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^6, 6^{10}\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^9, 6^{10}\})$	380418834604032
6	$\mathcal{O}(6; \{2^6, 3^{12}, 6^{10}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{15}, 6^{10}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{19}, 3, 6^{11}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3^4, 6^{11}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^7, 6^{11}\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^{10}, 6^{11}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{13}, 6^{11}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{16}, 3^2, 6^{12}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^5, 6^{12}\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^8, 6^{12}\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^{11}, 6^{12}\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{14}, 6^{12}\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{17}, 6^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 3^3, 6^{13}\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^6, 6^{13}\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^9, 6^{13}\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{12}, 6^{13}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{14}, 3, 6^{14}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{10}, 3^4, 6^{14}\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^7, 6^{14}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^{10}, 6^{14}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{11}, 3^2, 6^{15}\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^5, 6^{15}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^8, 6^{15}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^{12}, 6^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^8, 3^3, 6^{16}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^6, 6^{16}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^9, 6^{16}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^9, 3, 6^{17}\})$	190211594084352
6	$\mathcal{O}(6; \{2^5, 3^4, 6^{17}\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^7, 6^{17}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^6, 3^2, 6^{18}\})$	760842022772736

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^2, 3^5, 6^{18}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^7, 6^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2^3, 3^3, 6^{19}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^4, 3, 6^{20}\})$	1521679691980800
6	$\mathcal{O}(6; \{3^4, 6^{20}\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 3^2, 6^{21}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 6^{22}\})$	3043363737526272
6	$\mathcal{O}(5; \{2^{40}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{36}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^{32}, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{28}, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{24}, 3^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{20}, 3^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{16}, 3^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^{12}, 3^{23}\})$	169075642263552
6	$\mathcal{O}(5; \{2^8, 3^{26}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^4, 3^{29}\})$	10820843644446720
6	$\mathcal{O}(5; \{3^{32}\})$	86482211677044282
6	$\mathcal{O}(5; \{2^{37}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^{33}, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^{29}, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^{25}, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2^{21}, 3^{15}, 6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{17}, 3^{18}, 6\})$	10567189850112
6	$\mathcal{O}(5; \{2^{13}, 3^{21}, 6\})$	84537881597952
6	$\mathcal{O}(5; \{2^9, 3^{24}, 6\})$	676302689986560
6	$\mathcal{O}(5; \{2^5, 3^{27}, 6\})$	5410421882689536
6	$\mathcal{O}(5; \{2, 3^{30}, 6\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{38}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{34}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^{30}, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^{26}, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^{22}, 3^{13}, 6^2\})$	660411574272
6	$\mathcal{O}(5; \{2^{18}, 3^{16}, 6^2\})$	5283655391232
6	$\mathcal{O}(5; \{2^{14}, 3^{19}, 6^2\})$	42268880332800
6	$\mathcal{O}(5; \{2^{10}, 3^{22}, 6^2\})$	338151405459456
6	$\mathcal{O}(5; \{2^6, 3^{25}, 6^2\})$	2705210880878592
6	$\mathcal{O}(5; \{2^2, 3^{28}, 6^2\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{35}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^{31}, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^{27}, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^{23}, 3^{11}, 6^3\})$	330266253312
6	$\mathcal{O}(5; \{2^{19}, 3^{14}, 6^3\})$	2641767229440

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3^{17}, 6^3\})$	21134500632576
6	$\mathcal{O}(5; \{2^{11}, 3^{20}, 6^3\})$	169075642263552
6	$\mathcal{O}(5; \{2^7, 3^{23}, 6^3\})$	1352605500905472
6	$\mathcal{O}(5; \{2^3, 3^{26}, 6^3\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{36}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^{32}, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^{28}, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^{24}, 3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{2^{20}, 3^{12}, 6^4\})$	1320944080896
6	$\mathcal{O}(5; \{2^{16}, 3^{15}, 6^4\})$	10567189850112
6	$\mathcal{O}(5; \{2^{12}, 3^{18}, 6^4\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 3^{21}, 6^4\})$	676302689986560
6	$\mathcal{O}(5; \{2^4, 3^{24}, 6^4\})$	5410421882689536
6	$\mathcal{O}(5; \{3^{27}, 6^4\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{33}, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^{29}, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^{25}, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2^{21}, 3^{10}, 6^5\})$	660411574272
6	$\mathcal{O}(5; \{2^{17}, 3^{13}, 6^5\})$	5283655391232
6	$\mathcal{O}(5; \{2^{13}, 3^{16}, 6^5\})$	42268880332800
6	$\mathcal{O}(5; \{2^9, 3^{19}, 6^5\})$	338151405459456
6	$\mathcal{O}(5; \{2^5, 3^{22}, 6^5\})$	2705210880878592
6	$\mathcal{O}(5; \{2, 3^{25}, 6^5\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{30}, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^{26}, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^{22}, 3^8, 6^6\})$	330266253312
6	$\mathcal{O}(5; \{2^{18}, 3^{11}, 6^6\})$	2641767229440
6	$\mathcal{O}(5; \{2^{14}, 3^{14}, 6^6\})$	21134500632576
6	$\mathcal{O}(5; \{2^{10}, 3^{17}, 6^6\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3^{20}, 6^6\})$	1352605500905472
6	$\mathcal{O}(5; \{2^2, 3^{23}, 6^6\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{31}, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{27}, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^{23}, 3^6, 6^7\})$	165072660480
6	$\mathcal{O}(5; \{2^{19}, 3^9, 6^7\})$	1320944080896
6	$\mathcal{O}(5; \{2^{15}, 3^{12}, 6^7\})$	10567189850112
6	$\mathcal{O}(5; \{2^{11}, 3^{15}, 6^7\})$	84537881597952
6	$\mathcal{O}(5; \{2^7, 3^{18}, 6^7\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3^{21}, 6^7\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{28}, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{2^{24}, 3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^7, 6^8\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^{10}, 6^8\})$	5283655391232

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{12}, 3^{13}, 6^8\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{16}, 6^8\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{19}, 6^8\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{22}, 6^8\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{25}, 3^2, 6^9\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^5, 6^9\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^8, 6^9\})$	2641767229440
6	$\mathcal{O}(5; \{2^{13}, 3^{11}, 6^9\})$	21134500632576
6	$\mathcal{O}(5; \{2^9, 3^{14}, 6^9\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{17}, 6^9\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{20}, 6^9\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{26}, 6^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{22}, 3^3, 6^{10}\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^6, 6^{10}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^9, 6^{10}\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{12}, 6^{10}\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{15}, 6^{10}\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{18}, 6^{10}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{23}, 3, 6^{11}\})$	82596796416
6	$\mathcal{O}(5; \{2^{19}, 3^4, 6^{11}\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^7, 6^{11}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^{10}, 6^{11}\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{13}, 6^{11}\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{16}, 6^{11}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{20}, 3^2, 6^{12}\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^5, 6^{12}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^8, 6^{12}\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^{11}, 6^{12}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{14}, 6^{12}\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{17}, 6^{12}\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{21}, 6^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{17}, 3^3, 6^{13}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^6, 6^{13}\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^9, 6^{13}\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{12}, 6^{13}\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{15}, 6^{13}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{18}, 3, 6^{14}\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3^4, 6^{14}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^7, 6^{14}\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^{10}, 6^{14}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{13}, 6^{14}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{15}, 3^2, 6^{15}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^5, 6^{15}\})$	21134500632576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^7, 3^8, 6^{15}\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^{11}, 6^{15}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{16}, 6^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{12}, 3^3, 6^{16}\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^6, 6^{16}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^9, 6^{16}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{12}, 6^{16}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{13}, 3, 6^{17}\})$	5283655391232
6	$\mathcal{O}(5; \{2^9, 3^4, 6^{17}\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^7, 6^{17}\})$	338151405459456
6	$\mathcal{O}(5; \{2, 3^{10}, 6^{17}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{10}, 3^2, 6^{18}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^5, 6^{18}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^8, 6^{18}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{11}, 6^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^7, 3^3, 6^{19}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^6, 6^{19}\})$	676302689986560
6	$\mathcal{O}(5; \{2^8, 3, 6^{20}\})$	42268880332800
6	$\mathcal{O}(5; \{2^4, 3^4, 6^{20}\})$	338151405459456
6	$\mathcal{O}(5; \{3^7, 6^{20}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^5, 3^2, 6^{21}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^5, 6^{21}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^6, 6^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{2^2, 3^3, 6^{22}\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3, 6^{23}\})$	338151405459456
6	$\mathcal{O}(5; \{3^2, 6^{24}\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 6^{25}\})$	676302689986560
6	$\mathcal{O}(4; \{2^{44}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{40}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{36}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^{32}, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{28}, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{24}, 3^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{20}, 3^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^{16}, 3^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2^{12}, 3^{26}\})$	37572375025152
6	$\mathcal{O}(4; \{2^8, 3^{29}\})$	300578990123520
6	$\mathcal{O}(4; \{2^4, 3^{32}\})$	2404631931065856
6	$\mathcal{O}(4; \{3^{35}\})$	19161910690642710
6	$\mathcal{O}(4; \{2^{41}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{37}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^{33}, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^{29}, 3^{12}, 6\})$	4585351680

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{25}, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2^{21}, 3^{18}, 6\})$	293533051392
6	$\mathcal{O}(4; \{2^{17}, 3^{21}, 6\})$	2348274488832
6	$\mathcal{O}(4; \{2^{13}, 3^{24}, 6\})$	18786185832960
6	$\mathcal{O}(4; \{2^9, 3^{27}, 6\})$	150289496741376
6	$\mathcal{O}(4; \{2^5, 3^{30}, 6\})$	1202315963853312
6	$\mathcal{O}(4; \{2, 3^{33}, 6\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{42}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{38}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{34}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^{30}, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^{26}, 3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{2^{22}, 3^{16}, 6^2\})$	146768205312
6	$\mathcal{O}(4; \{2^{18}, 3^{19}, 6^2\})$	1174135564800
6	$\mathcal{O}(4; \{2^{14}, 3^{22}, 6^2\})$	9393094596096
6	$\mathcal{O}(4; \{2^{10}, 3^{25}, 6^2\})$	75144746691072
6	$\mathcal{O}(4; \{2^6, 3^{28}, 6^2\})$	601157983606272
6	$\mathcal{O}(4; \{2^2, 3^{31}, 6^2\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{39}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{35}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^{31}, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^{27}, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^{23}, 3^{14}, 6^3\})$	73382423040
6	$\mathcal{O}(4; \{2^{19}, 3^{17}, 6^3\})$	587069462016
6	$\mathcal{O}(4; \{2^{15}, 3^{20}, 6^3\})$	4696545618432
6	$\mathcal{O}(4; \{2^{11}, 3^{23}, 6^3\})$	37572375025152
6	$\mathcal{O}(4; \{2^7, 3^{26}, 6^3\})$	300578990123520
6	$\mathcal{O}(4; \{2^3, 3^{29}, 6^3\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{40}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{36}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^{32}, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^{28}, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^{24}, 3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{2^{20}, 3^{15}, 6^4\})$	293533051392
6	$\mathcal{O}(4; \{2^{16}, 3^{18}, 6^4\})$	2348274488832
6	$\mathcal{O}(4; \{2^{12}, 3^{21}, 6^4\})$	18786185832960
6	$\mathcal{O}(4; \{2^8, 3^{24}, 6^4\})$	150289496741376
6	$\mathcal{O}(4; \{2^4, 3^{27}, 6^4\})$	1202315963853312
6	$\mathcal{O}(4; \{3^{30}, 6^4\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{37}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^{33}, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^{29}, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^{25}, 3^{10}, 6^5\})$	18344765952

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{21}, 3^{13}, 6^5\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 3^{16}, 6^5\})$	1174135564800
6	$\mathcal{O}(4; \{2^{13}, 3^{19}, 6^5\})$	9393094596096
6	$\mathcal{O}(4; \{2^9, 3^{22}, 6^5\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 3^{25}, 6^5\})$	601157983606272
6	$\mathcal{O}(4; \{2, 3^{28}, 6^5\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{34}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^{30}, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^{26}, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^{22}, 3^{11}, 6^6\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^{14}, 6^6\})$	587069462016
6	$\mathcal{O}(4; \{2^{14}, 3^{17}, 6^6\})$	4696545618432
6	$\mathcal{O}(4; \{2^{10}, 3^{20}, 6^6\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 3^{23}, 6^6\})$	300578990123520
6	$\mathcal{O}(4; \{2^2, 3^{26}, 6^6\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{35}, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^{31}, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^{27}, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^{23}, 3^9, 6^7\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 3^{12}, 6^7\})$	293533051392
6	$\mathcal{O}(4; \{2^{15}, 3^{15}, 6^7\})$	2348274488832
6	$\mathcal{O}(4; \{2^{11}, 3^{18}, 6^7\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^{21}, 6^7\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^{24}, 6^7\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{32}, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^{28}, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^{10}, 6^8\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{13}, 6^8\})$	1174135564800
6	$\mathcal{O}(4; \{2^{12}, 3^{16}, 6^8\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{19}, 6^8\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{22}, 6^8\})$	601157983606272
6	$\mathcal{O}(4; \{3^{25}, 6^8\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{29}, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^8, 6^9\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^{11}, 6^9\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{14}, 6^9\})$	4696545618432
6	$\mathcal{O}(4; \{2^9, 3^{17}, 6^9\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3^{20}, 6^9\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{23}, 6^9\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{30}, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{26}, 3^3, 6^{10}\})$	4585351680

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{22}, 3^6, 6^{10}\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^9, 6^{10}\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{12}, 6^{10}\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{15}, 6^{10}\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{18}, 6^{10}\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{21}, 6^{10}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{27}, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{2^{23}, 3^4, 6^{11}\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^7, 6^{11}\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^{10}, 6^{11}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{13}, 6^{11}\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{16}, 6^{11}\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{19}, 6^{11}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{24}, 3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^5, 6^{12}\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^8, 6^{12}\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^{11}, 6^{12}\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{14}, 6^{12}\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{17}, 6^{12}\})$	300578990123520
6	$\mathcal{O}(4; \{3^{20}, 6^{12}\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{25}, 6^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{21}, 3^3, 6^{13}\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^6, 6^{13}\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^9, 6^{13}\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{12}, 6^{13}\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{15}, 6^{13}\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{18}, 6^{13}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{22}, 3, 6^{14}\})$	18344765952
6	$\mathcal{O}(4; \{2^{18}, 3^4, 6^{14}\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^7, 6^{14}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^{10}, 6^{14}\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{13}, 6^{14}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{16}, 6^{14}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{19}, 3^2, 6^{15}\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^5, 6^{15}\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^8, 6^{15}\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^{11}, 6^{15}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{14}, 6^{15}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{20}, 6^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^3, 6^{16}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^6, 6^{16}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^9, 6^{16}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{12}, 6^{16}\})$	150289496741376

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{3^{15}, 6^{16}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{17}, 3, 6^{17}\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3^4, 6^{17}\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^7, 6^{17}\})$	9393094596096
6	$\mathcal{O}(4; \{2^5, 3^{10}, 6^{17}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{13}, 6^{17}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{14}, 3^2, 6^{18}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^5, 6^{18}\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^8, 6^{18}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^{11}, 6^{18}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{15}, 6^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6^{19}\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^6, 6^{19}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^9, 6^{19}\})$	150289496741376
6	$\mathcal{O}(4; \{2^{12}, 3, 6^{20}\})$	1174135564800
6	$\mathcal{O}(4; \{2^8, 3^4, 6^{20}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^7, 6^{20}\})$	75144746691072
6	$\mathcal{O}(4; \{3^{10}, 6^{20}\})$	601157983606272
6	$\mathcal{O}(4; \{2^9, 3^2, 6^{21}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^5, 6^{21}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^8, 6^{21}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{10}, 6^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^6, 3^3, 6^{22}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^6, 6^{22}\})$	150289496741376
6	$\mathcal{O}(4; \{2^7, 3, 6^{23}\})$	9393094596096
6	$\mathcal{O}(4; \{2^3, 3^4, 6^{23}\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^2, 6^{24}\})$	37572375025152
6	$\mathcal{O}(4; \{3^5, 6^{24}\})$	300578990123520
6	$\mathcal{O}(4; \{2^5, 6^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{2, 3^3, 6^{25}\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3, 6^{26}\})$	75144746691072
6	$\mathcal{O}(4; \{6^{28}\})$	150289496741376
6	$\mathcal{O}(3; \{2^{48}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{44}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{40}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{36}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{32}, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{28}, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{24}, 3^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{20}, 3^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^{16}, 3^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{2^{12}, 3^{29}\})$	8349416392320
6	$\mathcal{O}(3; \{2^8, 3^{32}\})$	66795331418496

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^4, 3^{35}\})$	534362651068032
6	$\mathcal{O}(3; \{3^{38}\})$	4208105877436314
6	$\mathcal{O}(3; \{2^{45}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{41}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{37}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^{33}, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^{29}, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^{25}, 3^{18}, 6\})$	8153695872
6	$\mathcal{O}(3; \{2^{21}, 3^{21}, 6\})$	65229846912
6	$\mathcal{O}(3; \{2^{17}, 3^{24}, 6\})$	521838495360
6	$\mathcal{O}(3; \{2^{13}, 3^{27}, 6\})$	4174708242816
6	$\mathcal{O}(3; \{2^9, 3^{30}, 6\})$	33397665662592
6	$\mathcal{O}(3; \{2^5, 3^{33}, 6\})$	267181325580672
6	$\mathcal{O}(3; \{2, 3^{36}, 6\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{46}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{42}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{38}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{34}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^{30}, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^{26}, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^{22}, 3^{19}, 6^2\})$	32614876800
6	$\mathcal{O}(3; \{2^{18}, 3^{22}, 6^2\})$	260919294336
6	$\mathcal{O}(3; \{2^{14}, 3^{25}, 6^2\})$	2087354074752
6	$\mathcal{O}(3; \{2^{10}, 3^{28}, 6^2\})$	16698832877952
6	$\mathcal{O}(3; \{2^6, 3^{31}, 6^2\})$	133590662743680
6	$\mathcal{O}(3; \{2^2, 3^{34}, 6^2\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{43}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{39}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{35}, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^{31}, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^{27}, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^{23}, 3^{17}, 6^3\})$	16307485056
6	$\mathcal{O}(3; \{2^{19}, 3^{20}, 6^3\})$	130459600512
6	$\mathcal{O}(3; \{2^{15}, 3^{23}, 6^3\})$	1043677084032
6	$\mathcal{O}(3; \{2^{11}, 3^{26}, 6^3\})$	8349416392320
6	$\mathcal{O}(3; \{2^7, 3^{29}, 6^3\})$	66795331418496
6	$\mathcal{O}(3; \{2^3, 3^{32}, 6^3\})$	534362651068032
6	$\mathcal{O}(3; \{2^{44}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{40}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{36}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^{32}, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^{28}, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^{24}, 3^{15}, 6^4\})$	8153695872

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{20}, 3^{18}, 6^4\})$	65229846912
6	$\mathcal{O}(3; \{2^{16}, 3^{21}, 6^4\})$	521838495360
6	$\mathcal{O}(3; \{2^{12}, 3^{24}, 6^4\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 3^{27}, 6^4\})$	33397665662592
6	$\mathcal{O}(3; \{2^4, 3^{30}, 6^4\})$	267181325580672
6	$\mathcal{O}(3; \{3^{33}, 6^4\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{41}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{37}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^{33}, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^{29}, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^{25}, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2^{21}, 3^{16}, 6^5\})$	32614876800
6	$\mathcal{O}(3; \{2^{17}, 3^{19}, 6^5\})$	260919294336
6	$\mathcal{O}(3; \{2^{13}, 3^{22}, 6^5\})$	2087354074752
6	$\mathcal{O}(3; \{2^9, 3^{25}, 6^5\})$	16698832877952
6	$\mathcal{O}(3; \{2^5, 3^{28}, 6^5\})$	133590662743680
6	$\mathcal{O}(3; \{2, 3^{31}, 6^5\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{38}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{34}, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^{30}, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^{26}, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^{22}, 3^{14}, 6^6\})$	16307485056
6	$\mathcal{O}(3; \{2^{18}, 3^{17}, 6^6\})$	130459600512
6	$\mathcal{O}(3; \{2^{14}, 3^{20}, 6^6\})$	1043677084032
6	$\mathcal{O}(3; \{2^{10}, 3^{23}, 6^6\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3^{26}, 6^6\})$	66795331418496
6	$\mathcal{O}(3; \{2^2, 3^{29}, 6^6\})$	534362651068032
6	$\mathcal{O}(3; \{2^{39}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{35}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^{31}, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^{27}, 3^9, 6^7\})$	1019246976
6	$\mathcal{O}(3; \{2^{23}, 3^{12}, 6^7\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3^{15}, 6^7\})$	65229846912
6	$\mathcal{O}(3; \{2^{15}, 3^{18}, 6^7\})$	521838495360
6	$\mathcal{O}(3; \{2^{11}, 3^{21}, 6^7\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3^{24}, 6^7\})$	33397665662592
6	$\mathcal{O}(3; \{2^3, 3^{27}, 6^7\})$	267181325580672
6	$\mathcal{O}(3; \{2^{36}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^{32}, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{13}, 6^8\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{16}, 6^8\})$	260919294336

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{12}, 3^{19}, 6^8\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{22}, 6^8\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{25}, 6^8\})$	133590662743680
6	$\mathcal{O}(3; \{3^{28}, 6^8\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{33}, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^{29}, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^8, 6^9\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^{11}, 6^9\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{14}, 6^9\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{17}, 6^9\})$	1043677084032
6	$\mathcal{O}(3; \{2^9, 3^{20}, 6^9\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{23}, 6^9\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{26}, 6^9\})$	534362651068032
6	$\mathcal{O}(3; \{2^{34}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{30}, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^9, 6^{10}\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{12}, 6^{10}\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{15}, 6^{10}\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{18}, 6^{10}\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{21}, 6^{10}\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{24}, 6^{10}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{31}, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^{27}, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^7, 6^{11}\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^{10}, 6^{11}\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{13}, 6^{11}\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{16}, 6^{11}\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{19}, 6^{11}\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{22}, 6^{11}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{28}, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^8, 6^{12}\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^{11}, 6^{12}\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{14}, 6^{12}\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{17}, 6^{12}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{20}, 6^{12}\})$	66795331418496
6	$\mathcal{O}(3; \{3^{23}, 6^{12}\})$	534362651068032
6	$\mathcal{O}(3; \{2^{29}, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{25}, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^6, 6^{13}\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^9, 6^{13}\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{12}, 6^{13}\})$	521838495360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^9, 3^{15}, 6^{13}\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{18}, 6^{13}\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{21}, 6^{13}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{26}, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{2^{22}, 3^4, 6^{14}\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^7, 6^{14}\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^{10}, 6^{14}\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{13}, 6^{14}\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{16}, 6^{14}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{19}, 6^{14}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{23}, 3^2, 6^{15}\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^5, 6^{15}\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^8, 6^{15}\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^{11}, 6^{15}\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{14}, 6^{15}\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{17}, 6^{15}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{24}, 6^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3^3, 6^{16}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^6, 6^{16}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^9, 6^{16}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{12}, 6^{16}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{15}, 6^{16}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{18}, 6^{16}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{21}, 3, 6^{17}\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^4, 6^{17}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^7, 6^{17}\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^{10}, 6^{17}\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{13}, 6^{17}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{16}, 6^{17}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{18}, 3^2, 6^{18}\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^5, 6^{18}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^8, 6^{18}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^{11}, 6^{18}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{14}, 6^{18}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{19}, 6^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6^{19}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6^{19}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^9, 6^{19}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6^{19}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{16}, 3, 6^{20}\})$	32614876800
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^{20}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^7, 6^{20}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^{20}\})$	16698832877952

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^{13}, 6^{20}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^{21}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^5, 6^{21}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^8, 6^{21}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^{11}, 6^{21}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{14}, 6^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^{22}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^6, 6^{22}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^9, 6^{22}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{11}, 3, 6^{23}\})$	260919294336
6	$\mathcal{O}(3; \{2^7, 3^4, 6^{23}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^7, 6^{23}\})$	16698832877952
6	$\mathcal{O}(3; \{2^8, 3^2, 6^{24}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^5, 6^{24}\})$	8349416392320
6	$\mathcal{O}(3; \{3^8, 6^{24}\})$	66795331418496
6	$\mathcal{O}(3; \{2^9, 6^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^5, 3^3, 6^{25}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^6, 6^{25}\})$	33397665662592
6	$\mathcal{O}(3; \{2^6, 3, 6^{26}\})$	2087354074752
6	$\mathcal{O}(3; \{2^2, 3^4, 6^{26}\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^2, 6^{27}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 6^{28}\})$	4174708242816
6	$\mathcal{O}(3; \{3^3, 6^{28}\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3, 6^{29}\})$	16698832877952
6	$\mathcal{O}(2; \{2^{52}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{48}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{44}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{40}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{36}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{32}, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{28}, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{24}, 3^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{20}, 3^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^{16}, 3^{29}\})$	231928233120
6	$\mathcal{O}(2; \{2^{12}, 3^{32}\})$	1855425872736
6	$\mathcal{O}(2; \{2^8, 3^{35}\})$	14843406974112
6	$\mathcal{O}(2; \{2^4, 3^{38}\})$	118747255800672
6	$\mathcal{O}(2; \{3^{41}\})$	890604418497750
6	$\mathcal{O}(2; \{2^{49}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{45}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{41}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{37}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^{33}, 3^{15}, 6\})$	28312416

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{29}, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2^{25}, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2^{21}, 3^{24}, 6\})$	14495513760
6	$\mathcal{O}(2; \{2^{17}, 3^{27}, 6\})$	115964117856
6	$\mathcal{O}(2; \{2^{13}, 3^{30}, 6\})$	927712935072
6	$\mathcal{O}(2; \{2^9, 3^{33}, 6\})$	7421703488352
6	$\mathcal{O}(2; \{2^5, 3^{36}, 6\})$	59373627899040
6	$\mathcal{O}(2; \{2, 3^{39}, 6\})$	474989023200096
6	$\mathcal{O}(2; \{2^{50}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{46}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{42}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{38}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{34}, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^{30}, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^{26}, 3^{19}, 6^2\})$	905968800
6	$\mathcal{O}(2; \{2^{22}, 3^{22}, 6^2\})$	7247758176
6	$\mathcal{O}(2; \{2^{18}, 3^{25}, 6^2\})$	57982057632
6	$\mathcal{O}(2; \{2^{14}, 3^{28}, 6^2\})$	463856468832
6	$\mathcal{O}(2; \{2^{10}, 3^{31}, 6^2\})$	3710851742880
6	$\mathcal{O}(2; \{2^6, 3^{34}, 6^2\})$	29686813950816
6	$\mathcal{O}(2; \{2^2, 3^{37}, 6^2\})$	237494511598752
6	$\mathcal{O}(2; \{2^{47}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{43}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{39}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^{35}, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^{31}, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^{27}, 3^{17}, 6^3\})$	452985696
6	$\mathcal{O}(2; \{2^{23}, 3^{20}, 6^3\})$	3623877792
6	$\mathcal{O}(2; \{2^{19}, 3^{23}, 6^3\})$	28991030112
6	$\mathcal{O}(2; \{2^{15}, 3^{26}, 6^3\})$	231928233120
6	$\mathcal{O}(2; \{2^{11}, 3^{29}, 6^3\})$	1855425872736
6	$\mathcal{O}(2; \{2^7, 3^{32}, 6^3\})$	14843406974112
6	$\mathcal{O}(2; \{2^3, 3^{35}, 6^3\})$	118747255800672
6	$\mathcal{O}(2; \{2^{48}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{44}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{40}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^{36}, 3^9, 6^4\})$	3538080
6	$\mathcal{O}(2; \{2^{32}, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{2^{28}, 3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{2^{24}, 3^{18}, 6^4\})$	1811940192
6	$\mathcal{O}(2; \{2^{20}, 3^{21}, 6^4\})$	14495513760
6	$\mathcal{O}(2; \{2^{16}, 3^{24}, 6^4\})$	115964117856
6	$\mathcal{O}(2; \{2^{12}, 3^{27}, 6^4\})$	927712935072

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^{30}, 6^4\})$	7421703488352
6	$\mathcal{O}(2; \{2^4, 3^{33}, 6^4\})$	59373627899040
6	$\mathcal{O}(2; \{3^{36}, 6^4\})$	474989023200096
6	$\mathcal{O}(2; \{2^{45}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{41}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^{37}, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^{33}, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2^{29}, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2^{25}, 3^{16}, 6^5\})$	905968800
6	$\mathcal{O}(2; \{2^{21}, 3^{19}, 6^5\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 3^{22}, 6^5\})$	57982057632
6	$\mathcal{O}(2; \{2^{13}, 3^{25}, 6^5\})$	463856468832
6	$\mathcal{O}(2; \{2^9, 3^{28}, 6^5\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 3^{31}, 6^5\})$	29686813950816
6	$\mathcal{O}(2; \{2, 3^{34}, 6^5\})$	237494511598752
6	$\mathcal{O}(2; \{2^{42}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{38}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^{34}, 3^8, 6^6\})$	7078752
6	$\mathcal{O}(2; \{2^{30}, 3^{11}, 6^6\})$	56622240
6	$\mathcal{O}(2; \{2^{26}, 3^{14}, 6^6\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^{17}, 6^6\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^{20}, 6^6\})$	28991030112
6	$\mathcal{O}(2; \{2^{14}, 3^{23}, 6^6\})$	231928233120
6	$\mathcal{O}(2; \{2^{10}, 3^{26}, 6^6\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^{29}, 6^6\})$	14843406974112
6	$\mathcal{O}(2; \{2^2, 3^{32}, 6^6\})$	118747255800672
6	$\mathcal{O}(2; \{2^{43}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{39}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^{35}, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^{31}, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^{27}, 3^{12}, 6^7\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 3^{15}, 6^7\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^{18}, 6^7\})$	14495513760
6	$\mathcal{O}(2; \{2^{15}, 3^{21}, 6^7\})$	115964117856
6	$\mathcal{O}(2; \{2^{11}, 3^{24}, 6^7\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^{27}, 6^7\})$	7421703488352
6	$\mathcal{O}(2; \{2^3, 3^{30}, 6^7\})$	59373627899040
6	$\mathcal{O}(2; \{2^{40}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^{36}, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{13}, 6^8\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{16}, 6^8\})$	7247758176

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{16}, 3^{19}, 6^8\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{22}, 6^8\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{25}, 6^8\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{28}, 6^8\})$	29686813950816
6	$\mathcal{O}(2; \{3^{31}, 6^8\})$	237494511598752
6	$\mathcal{O}(2; \{2^{37}, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{14}, 6^9\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{17}, 6^9\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{20}, 6^9\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{23}, 6^9\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{26}, 6^9\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{29}, 6^9\})$	118747255800672
6	$\mathcal{O}(2; \{2^{38}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{34}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{12}, 6^{10}\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{15}, 6^{10}\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{18}, 6^{10}\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{21}, 6^{10}\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{24}, 6^{10}\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{27}, 6^{10}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{35}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^{31}, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^{10}, 6^{11}\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{13}, 6^{11}\})$	7247758176
6	$\mathcal{O}(2; \{2^{15}, 3^{16}, 6^{11}\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{19}, 6^{11}\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{22}, 6^{11}\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{25}, 6^{11}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{32}, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^{11}, 6^{12}\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{14}, 6^{12}\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{17}, 6^{12}\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{20}, 6^{12}\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{23}, 6^{12}\})$	14843406974112
6	$\mathcal{O}(2; \{3^{26}, 6^{12}\})$	118747255800672

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{33}, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{29}, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^9, 6^{13}\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{12}, 6^{13}\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{15}, 6^{13}\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{18}, 6^{13}\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{21}, 6^{13}\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{24}, 6^{13}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{30}, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^{26}, 3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^7, 6^{14}\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^{10}, 6^{14}\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{13}, 6^{14}\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{16}, 6^{14}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{19}, 6^{14}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{22}, 6^{14}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{27}, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^5, 6^{15}\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^8, 6^{15}\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^{11}, 6^{15}\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{14}, 6^{15}\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{17}, 6^{15}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{20}, 6^{15}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{28}, 6^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{24}, 3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^6, 6^{16}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^9, 6^{16}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{12}, 6^{16}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{15}, 6^{16}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{18}, 6^{16}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{21}, 6^{16}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{25}, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(2; \{2^{21}, 3^4, 6^{17}\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3^7, 6^{17}\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^{10}, 6^{17}\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{13}, 6^{17}\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{16}, 6^{17}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{19}, 6^{17}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{22}, 3^2, 6^{18}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^5, 6^{18}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^8, 6^{18}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^{11}, 6^{18}\})$	231928233120

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^6, 3^{14}, 6^{18}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{17}, 6^{18}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{23}, 6^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{19}, 3^3, 6^{19}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^6, 6^{19}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^9, 6^{19}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{12}, 6^{19}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{15}, 6^{19}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{20}, 3, 6^{20}\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3^4, 6^{20}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^7, 6^{20}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^{10}, 6^{20}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{13}, 6^{20}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{16}, 6^{20}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{17}, 3^2, 6^{21}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^5, 6^{21}\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^8, 6^{21}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^{11}, 6^{21}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{14}, 6^{21}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{18}, 6^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^3, 6^{22}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^6, 6^{22}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^9, 6^{22}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{12}, 6^{22}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{15}, 3, 6^{23}\})$	7247758176
6	$\mathcal{O}(2; \{2^{11}, 3^4, 6^{23}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^7, 6^{23}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^{10}, 6^{23}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{12}, 3^2, 6^{24}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^5, 6^{24}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^8, 6^{24}\})$	1855425872736
6	$\mathcal{O}(2; \{3^{11}, 6^{24}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{13}, 6^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^9, 3^3, 6^{25}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^6, 6^{25}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^9, 6^{25}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{10}, 3, 6^{26}\})$	57982057632
6	$\mathcal{O}(2; \{2^6, 3^4, 6^{26}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^7, 6^{26}\})$	3710851742880
6	$\mathcal{O}(2; \{2^7, 3^2, 6^{27}\})$	231928233120
6	$\mathcal{O}(2; \{2^3, 3^5, 6^{27}\})$	1855425872736
6	$\mathcal{O}(2; \{2^8, 6^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{28}\})$	927712935072

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{3^6, 6^{28}\})$	7421703488352
6	$\mathcal{O}(2; \{2^5, 3, 6^{29}\})$	463856468832
6	$\mathcal{O}(2; \{2, 3^4, 6^{29}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{30}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 6^{31}\})$	927712935072
6	$\mathcal{O}(2; \{3, 6^{32}\})$	3710851742880
6	$\mathcal{O}(1; \{2^{56}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{52}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{48}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{44}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{40}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{36}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{32}, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{28}, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{24}, 3^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{20}, 3^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^{16}, 3^{32}\})$	51539607576
6	$\mathcal{O}(1; \{2^{12}, 3^{35}\})$	412316860392
6	$\mathcal{O}(1; \{2^8, 3^{38}\})$	3298534883352
6	$\mathcal{O}(1; \{2^4, 3^{41}\})$	26388279066600
6	$\mathcal{O}(1; \{3^{44}\})$	158329674399762
6	$\mathcal{O}(1; \{2^{53}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{49}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{45}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{41}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{37}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^{33}, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^{29}, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^{25}, 3^{24}, 6\})$	402653160
6	$\mathcal{O}(1; \{2^{21}, 3^{27}, 6\})$	3221225496
6	$\mathcal{O}(1; \{2^{17}, 3^{30}, 6\})$	25769803752
6	$\mathcal{O}(1; \{2^{13}, 3^{33}, 6\})$	206158430232
6	$\mathcal{O}(1; \{2^9, 3^{36}, 6\})$	1649267441640
6	$\mathcal{O}(1; \{2^5, 3^{39}, 6\})$	13194139533336
6	$\mathcal{O}(1; \{2, 3^{42}, 6\})$	105553116266472
6	$\mathcal{O}(1; \{2^{54}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{50}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{46}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{42}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{38}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{34}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^{30}, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^{26}, 3^{22}, 6^2\})$	201326616

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{22}, 3^{25}, 6^2\})$	1610612712
6	$\mathcal{O}(1; \{2^{18}, 3^{28}, 6^2\})$	12884901912
6	$\mathcal{O}(1; \{2^{14}, 3^{31}, 6^2\})$	103079215080
6	$\mathcal{O}(1; \{2^{10}, 3^{34}, 6^2\})$	824633720856
6	$\mathcal{O}(1; \{2^6, 3^{37}, 6^2\})$	6597069766632
6	$\mathcal{O}(1; \{2^2, 3^{40}, 6^2\})$	52776558133272
6	$\mathcal{O}(1; \{2^{51}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{47}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{43}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{39}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{35}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^{31}, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^{27}, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2^{23}, 3^{23}, 6^3\})$	805306392
6	$\mathcal{O}(1; \{2^{19}, 3^{26}, 6^3\})$	6442450920
6	$\mathcal{O}(1; \{2^{15}, 3^{29}, 6^3\})$	51539607576
6	$\mathcal{O}(1; \{2^{11}, 3^{32}, 6^3\})$	412316860392
6	$\mathcal{O}(1; \{2^7, 3^{35}, 6^3\})$	3298534883352
6	$\mathcal{O}(1; \{2^3, 3^{38}, 6^3\})$	26388279066600
6	$\mathcal{O}(1; \{2^{52}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{48}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{44}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{40}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{36}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^{32}, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^{28}, 3^{18}, 6^4\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{2^{20}, 3^{24}, 6^4\})$	3221225496
6	$\mathcal{O}(1; \{2^{16}, 3^{27}, 6^4\})$	25769803752
6	$\mathcal{O}(1; \{2^{12}, 3^{30}, 6^4\})$	206158430232
6	$\mathcal{O}(1; \{2^8, 3^{33}, 6^4\})$	1649267441640
6	$\mathcal{O}(1; \{2^4, 3^{36}, 6^4\})$	13194139533336
6	$\mathcal{O}(1; \{3^{39}, 6^4\})$	105553116266472
6	$\mathcal{O}(1; \{2^{49}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{45}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{41}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{37}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^{33}, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^{29}, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2^{25}, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2^{21}, 3^{22}, 6^5\})$	1610612712
6	$\mathcal{O}(1; \{2^{17}, 3^{25}, 6^5\})$	12884901912
6	$\mathcal{O}(1; \{2^{13}, 3^{28}, 6^5\})$	103079215080

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^9, 3^{31}, 6^5\})$	824633720856
6	$\mathcal{O}(1; \{2^5, 3^{34}, 6^5\})$	6597069766632
6	$\mathcal{O}(1; \{2, 3^{37}, 6^5\})$	52776558133272
6	$\mathcal{O}(1; \{2^{46}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{42}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{38}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{34}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^{30}, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^{26}, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3^{20}, 6^6\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3^{23}, 6^6\})$	6442450920
6	$\mathcal{O}(1; \{2^{14}, 3^{26}, 6^6\})$	51539607576
6	$\mathcal{O}(1; \{2^{10}, 3^{29}, 6^6\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3^{32}, 6^6\})$	3298534883352
6	$\mathcal{O}(1; \{2^2, 3^{35}, 6^6\})$	26388279066600
6	$\mathcal{O}(1; \{2^{47}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{43}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{39}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{35}, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2^{31}, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^{27}, 3^{15}, 6^7\})$	50331672
6	$\mathcal{O}(1; \{2^{23}, 3^{18}, 6^7\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3^{21}, 6^7\})$	3221225496
6	$\mathcal{O}(1; \{2^{15}, 3^{24}, 6^7\})$	25769803752
6	$\mathcal{O}(1; \{2^{11}, 3^{27}, 6^7\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3^{30}, 6^7\})$	1649267441640
6	$\mathcal{O}(1; \{2^3, 3^{33}, 6^7\})$	13194139533336
6	$\mathcal{O}(1; \{2^{44}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{40}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{19}, 6^8\})$	1610612712
6	$\mathcal{O}(1; \{2^{16}, 3^{22}, 6^8\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{25}, 6^8\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{28}, 6^8\})$	824633720856
6	$\mathcal{O}(1; \{2^4, 3^{31}, 6^8\})$	6597069766632
6	$\mathcal{O}(1; \{3^{34}, 6^8\})$	52776558133272
6	$\mathcal{O}(1; \{2^{41}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^{11}, 6^9\})$	12582936

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{25}, 3^{14}, 6^9\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{17}, 6^9\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{20}, 6^9\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{23}, 6^9\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{26}, 6^9\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{29}, 6^9\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{32}, 6^9\})$	26388279066600
6	$\mathcal{O}(1; \{2^{42}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{38}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{15}, 6^{10}\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{18}, 6^{10}\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{21}, 6^{10}\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{24}, 6^{10}\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{27}, 6^{10}\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{30}, 6^{10}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{39}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{35}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{13}, 6^{11}\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^{16}, 6^{11}\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{19}, 6^{11}\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{22}, 6^{11}\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{25}, 6^{11}\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{28}, 6^{11}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{36}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{14}, 6^{12}\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{17}, 6^{12}\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{20}, 6^{12}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{23}, 6^{12}\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{26}, 6^{12}\})$	3298534883352
6	$\mathcal{O}(1; \{3^{29}, 6^{12}\})$	26388279066600
6	$\mathcal{O}(1; \{2^{37}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{33}, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{12}, 6^{13}\})$	402653160

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{17}, 3^{15}, 6^{13}\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{18}, 6^{13}\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{21}, 6^{13}\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{24}, 6^{13}\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{27}, 6^{13}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{34}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^{30}, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^{10}, 6^{14}\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{13}, 6^{14}\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{16}, 6^{14}\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{19}, 6^{14}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{22}, 6^{14}\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{25}, 6^{14}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{31}, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^8, 6^{15}\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^{11}, 6^{15}\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{14}, 6^{15}\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{17}, 6^{15}\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{20}, 6^{15}\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{23}, 6^{15}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{32}, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{28}, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^6, 6^{16}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^9, 6^{16}\})$	402653160
6	$\mathcal{O}(1; \{2^{16}, 3^{12}, 6^{16}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{15}, 6^{16}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{18}, 6^{16}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{21}, 6^{16}\})$	1649267441640
6	$\mathcal{O}(1; \{3^{24}, 6^{16}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{29}, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2^{25}, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^7, 6^{17}\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^{10}, 6^{17}\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{13}, 6^{17}\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{16}, 6^{17}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{19}, 6^{17}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{22}, 6^{17}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{26}, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^5, 6^{18}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^8, 6^{18}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^{11}, 6^{18}\})$	6442450920

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 3^{14}, 6^{18}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{17}, 6^{18}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{20}, 6^{18}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{27}, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{23}, 3^3, 6^{19}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^6, 6^{19}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^9, 6^{19}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6^{19}\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{15}, 6^{19}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{18}, 6^{19}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{24}, 3, 6^{20}\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 3^4, 6^{20}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^7, 6^{20}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^{20}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{13}, 6^{20}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{16}, 6^{20}\})$	824633720856
6	$\mathcal{O}(1; \{3^{19}, 6^{20}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{21}, 3^2, 6^{21}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^5, 6^{21}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^8, 6^{21}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^{11}, 6^{21}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{14}, 6^{21}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{17}, 6^{21}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{22}, 6^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{18}, 3^3, 6^{22}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^6, 6^{22}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^9, 6^{22}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{12}, 6^{22}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{15}, 6^{22}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{19}, 3, 6^{23}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3^4, 6^{23}\})$	1610612712
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^{23}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^{23}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^{23}\})$	824633720856
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^{24}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^{24}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^8, 6^{24}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^{24}\})$	412316860392
6	$\mathcal{O}(1; \{3^{14}, 6^{24}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{17}, 6^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^{25}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^6, 6^{25}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^9, 6^{25}\})$	206158430232

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2, 3^{12}, 6^{25}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{14}, 3, 6^{26}\})$	1610612712
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^{26}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^7, 6^{26}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^{26}\})$	824633720856
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^{27}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^5, 6^{27}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^8, 6^{27}\})$	412316860392
6	$\mathcal{O}(1; \{2^{12}, 6^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{28}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{28}\})$	206158430232
6	$\mathcal{O}(1; \{3^9, 6^{28}\})$	1649267441640
6	$\mathcal{O}(1; \{2^9, 3, 6^{29}\})$	12884901912
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{29}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^7, 6^{29}\})$	824633720856
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{30}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{30}\})$	412316860392
6	$\mathcal{O}(1; \{2^7, 6^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{31}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3, 6^{32}\})$	103079215080
6	$\mathcal{O}(1; \{3^4, 6^{32}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^2, 6^{33}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 6^{34}\})$	206158430232
6	$\mathcal{O}(0; \{2^{60}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{56}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{52}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{48}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{44}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{40}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{36}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{32}, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{28}, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{24}, 3^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{20}, 3^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^{16}, 3^{35}\})$	11453246122
6	$\mathcal{O}(0; \{2^{12}, 3^{38}\})$	91625968982
6	$\mathcal{O}(0; \{2^8, 3^{41}\})$	733007751850
6	$\mathcal{O}(0; \{2^4, 3^{44}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{57}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{53}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{49}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{45}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{41}, 3^{15}, 6\})$	21846

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{37}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^{33}, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^{29}, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^{25}, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2^{21}, 3^{30}, 6\})$	715827882
6	$\mathcal{O}(0; \{2^{17}, 3^{33}, 6\})$	5726623062
6	$\mathcal{O}(0; \{2^{13}, 3^{36}, 6\})$	45812984490
6	$\mathcal{O}(0; \{2^9, 3^{39}, 6\})$	366503875926
6	$\mathcal{O}(0; \{2^5, 3^{42}, 6\})$	2932031007402
6	$\mathcal{O}(0; \{2, 3^{45}, 6\})$	23456248059222
6	$\mathcal{O}(0; \{2^{58}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{54}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{50}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{46}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{42}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{38}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{34}, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^{30}, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^{26}, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{2^{22}, 3^{28}, 6^2\})$	357913942
6	$\mathcal{O}(0; \{2^{18}, 3^{31}, 6^2\})$	2863311530
6	$\mathcal{O}(0; \{2^{14}, 3^{34}, 6^2\})$	22906492246
6	$\mathcal{O}(0; \{2^{10}, 3^{37}, 6^2\})$	183251937962
6	$\mathcal{O}(0; \{2^6, 3^{40}, 6^2\})$	1466015503702
6	$\mathcal{O}(0; \{2^2, 3^{43}, 6^2\})$	11728124029610
6	$\mathcal{O}(0; \{2^{55}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{51}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{47}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{43}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{39}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{35}, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^{31}, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^{27}, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2^{23}, 3^{26}, 6^3\})$	178956970
6	$\mathcal{O}(0; \{2^{19}, 3^{29}, 6^3\})$	1431655766
6	$\mathcal{O}(0; \{2^{15}, 3^{32}, 6^3\})$	11453246122
6	$\mathcal{O}(0; \{2^{11}, 3^{35}, 6^3\})$	91625968982
6	$\mathcal{O}(0; \{2^7, 3^{38}, 6^3\})$	733007751850
6	$\mathcal{O}(0; \{2^3, 3^{41}, 6^3\})$	5864062014806
6	$\mathcal{O}(0; \{2^{56}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{52}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{48}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{44}, 3^9, 6^4\})$	2730

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{40}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{36}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^{32}, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^{28}, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{2^{24}, 3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{2^{20}, 3^{27}, 6^4\})$	715827882
6	$\mathcal{O}(0; \{2^{16}, 3^{30}, 6^4\})$	5726623062
6	$\mathcal{O}(0; \{2^{12}, 3^{33}, 6^4\})$	45812984490
6	$\mathcal{O}(0; \{2^8, 3^{36}, 6^4\})$	366503875926
6	$\mathcal{O}(0; \{2^4, 3^{39}, 6^4\})$	2932031007402
6	$\mathcal{O}(0; \{3^{42}, 6^4\})$	23456248059222
6	$\mathcal{O}(0; \{2^{53}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{49}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{45}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{41}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{37}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^{33}, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^{29}, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2^{25}, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 3^{25}, 6^5\})$	357913942
6	$\mathcal{O}(0; \{2^{17}, 3^{28}, 6^5\})$	2863311530
6	$\mathcal{O}(0; \{2^{13}, 3^{31}, 6^5\})$	22906492246
6	$\mathcal{O}(0; \{2^9, 3^{34}, 6^5\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 3^{37}, 6^5\})$	1466015503702
6	$\mathcal{O}(0; \{2, 3^{40}, 6^5\})$	11728124029610
6	$\mathcal{O}(0; \{2^{50}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{46}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{42}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{38}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{34}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^{30}, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^{23}, 6^6\})$	178956970
6	$\mathcal{O}(0; \{2^{18}, 3^{26}, 6^6\})$	1431655766
6	$\mathcal{O}(0; \{2^{14}, 3^{29}, 6^6\})$	11453246122
6	$\mathcal{O}(0; \{2^{10}, 3^{32}, 6^6\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^{35}, 6^6\})$	733007751850
6	$\mathcal{O}(0; \{2^2, 3^{38}, 6^6\})$	5864062014806
6	$\mathcal{O}(0; \{2^{51}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{47}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{43}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{39}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{35}, 3^{12}, 6^7\})$	174762

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{31}, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^{21}, 6^7\})$	89478486
6	$\mathcal{O}(0; \{2^{19}, 3^{24}, 6^7\})$	715827882
6	$\mathcal{O}(0; \{2^{15}, 3^{27}, 6^7\})$	5726623062
6	$\mathcal{O}(0; \{2^{11}, 3^{30}, 6^7\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^{33}, 6^7\})$	366503875926
6	$\mathcal{O}(0; \{2^3, 3^{36}, 6^7\})$	2932031007402
6	$\mathcal{O}(0; \{2^{48}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{44}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^{32}, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 3^{19}, 6^8\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{22}, 6^8\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{25}, 6^8\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{28}, 6^8\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{31}, 6^8\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{34}, 6^8\})$	1466015503702
6	$\mathcal{O}(0; \{3^{37}, 6^8\})$	11728124029610
6	$\mathcal{O}(0; \{2^{45}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{41}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{20}, 6^9\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{23}, 6^9\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{26}, 6^9\})$	11453246122
6	$\mathcal{O}(0; \{2^9, 3^{29}, 6^9\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{32}, 6^9\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{35}, 6^9\})$	5864062014806
6	$\mathcal{O}(0; \{2^{46}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{42}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{18}, 6^{10}\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{21}, 6^{10}\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{24}, 6^{10}\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{27}, 6^{10}\})$	45812984490

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^{30}, 6^{10}\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{33}, 6^{10}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{43}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{39}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{16}, 6^{11}\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{19}, 6^{11}\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{22}, 6^{11}\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{25}, 6^{11}\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{28}, 6^{11}\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{31}, 6^{11}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{40}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{36}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{17}, 6^{12}\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{20}, 6^{12}\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{23}, 6^{12}\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{26}, 6^{12}\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{29}, 6^{12}\})$	733007751850
6	$\mathcal{O}(0; \{3^{32}, 6^{12}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{41}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{37}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{15}, 6^{13}\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{18}, 6^{13}\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{21}, 6^{13}\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{24}, 6^{13}\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{27}, 6^{13}\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{30}, 6^{13}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{38}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{34}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{13}, 6^{14}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{16}, 6^{14}\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{19}, 6^{14}\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{22}, 6^{14}\})$	22906492246

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^{25}, 6^{14}\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{28}, 6^{14}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{35}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^{11}, 6^{15}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{14}, 6^{15}\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{17}, 6^{15}\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{20}, 6^{15}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{23}, 6^{15}\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{26}, 6^{15}\})$	733007751850
6	$\mathcal{O}(0; \{2^{36}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{32}, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^9, 6^{16}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{12}, 6^{16}\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{15}, 6^{16}\})$	715827882
6	$\mathcal{O}(0; \{2^{12}, 3^{18}, 6^{16}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{21}, 6^{16}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{24}, 6^{16}\})$	366503875926
6	$\mathcal{O}(0; \{3^{27}, 6^{16}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{33}, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2^{29}, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^{10}, 6^{17}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{13}, 6^{17}\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{16}, 6^{17}\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{19}, 6^{17}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{22}, 6^{17}\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{25}, 6^{17}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{30}, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^8, 6^{18}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^{11}, 6^{18}\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{14}, 6^{18}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{17}, 6^{18}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{20}, 6^{18}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{23}, 6^{18}\})$	733007751850
6	$\mathcal{O}(0; \{2^{31}, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{27}, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^6, 6^{19}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^9, 6^{19}\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{12}, 6^{19}\})$	715827882

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{11}, 3^{15}, 6^{19}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{18}, 6^{19}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{21}, 6^{19}\})$	366503875926
6	$\mathcal{O}(0; \{2^{28}, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^7, 6^{20}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^{10}, 6^{20}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{13}, 6^{20}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{16}, 6^{20}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{19}, 6^{20}\})$	183251937962
6	$\mathcal{O}(0; \{3^{22}, 6^{20}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{25}, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^5, 6^{21}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^8, 6^{21}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^{11}, 6^{21}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{14}, 6^{21}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{17}, 6^{21}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{20}, 6^{21}\})$	733007751850
6	$\mathcal{O}(0; \{2^{26}, 6^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{22}, 3^3, 6^{22}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^6, 6^{22}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^9, 6^{22}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6^{22}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{15}, 6^{22}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{18}, 6^{22}\})$	366503875926
6	$\mathcal{O}(0; \{2^{23}, 3, 6^{23}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 3^4, 6^{23}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^7, 6^{23}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^{23}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{13}, 6^{23}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{16}, 6^{23}\})$	183251937962
6	$\mathcal{O}(0; \{2^{20}, 3^2, 6^{24}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^5, 6^{24}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^8, 6^{24}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^{11}, 6^{24}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{14}, 6^{24}\})$	91625968982
6	$\mathcal{O}(0; \{3^{17}, 6^{24}\})$	733007751850
6	$\mathcal{O}(0; \{2^{21}, 6^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{17}, 3^3, 6^{25}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^6, 6^{25}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^9, 6^{25}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6^{25}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{15}, 6^{25}\})$	366503875926

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{18}, 3, 6^{26}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^{26}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^{26}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^{26}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^{26}\})$	183251937962
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^{27}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^{27}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^8, 6^{27}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^{27}\})$	91625968982
6	$\mathcal{O}(0; \{2^{16}, 6^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^{28}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^6, 6^{28}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^9, 6^{28}\})$	45812984490
6	$\mathcal{O}(0; \{3^{12}, 6^{28}\})$	366503875926
6	$\mathcal{O}(0; \{2^{13}, 3, 6^{29}\})$	357913942
6	$\mathcal{O}(0; \{2^9, 3^4, 6^{29}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^7, 6^{29}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^{10}, 6^{29}\})$	183251937962
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{30}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^5, 6^{30}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^8, 6^{30}\})$	91625968982
6	$\mathcal{O}(0; \{2^{11}, 6^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{31}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{31}\})$	45812984490
6	$\mathcal{O}(0; \{2^8, 3, 6^{32}\})$	2863311530
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{32}\})$	22906492246
6	$\mathcal{O}(0; \{3^7, 6^{32}\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{33}\})$	11453246122
6	$\mathcal{O}(0; \{2, 3^5, 6^{33}\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 6^{34}\})$	5726623062
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{34}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3, 6^{35}\})$	22906492246
6	$\mathcal{O}(0; \{3^2, 6^{36}\})$	91625968982
6	$\mathcal{O}(0; \{2, 6^{37}\})$	45812984490
7	$\mathcal{O}(11; \{7^6\})$	26062867109854198334634
7	$\mathcal{O}(8; \{7^{13}\})$	62006448175019095541430
7	$\mathcal{O}(5; \{7^{20}\})$	147539180820034630876074
7	$\mathcal{O}(2; \{7^{27}\})$	351057196593571952588790
8	$\mathcal{O}(12; \emptyset)$	4722366201394668503040
8	$\mathcal{O}(11; \{2^4\})$	73786958702652162048
8	$\mathcal{O}(11; \{2, 4^2\})$	147573917405304324096
8	$\mathcal{O}(10; \{2^8\})$	1152920405095219200
8	$\mathcal{O}(10; \{2^5, 4^2\})$	2305840810190438400

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(10; \{2^2, 4^4\})$	9223363240761753600
8	$\mathcal{O}(10; \{2^3, 4, 8^2\})$	9223372036854775808
8	$\mathcal{O}(10; \{4^3, 8^2\})$	36893488147419103232
8	$\mathcal{O}(10; \{2, 8^4\})$	73786976294838206464
8	$\mathcal{O}(9; \{2^{12}\})$	18014329790005248
8	$\mathcal{O}(9; \{2^9, 4^2\})$	36028659580010496
8	$\mathcal{O}(9; \{2^6, 4^4\})$	144114638320041984
8	$\mathcal{O}(9; \{2^3, 4^6\})$	576458553280167936
8	$\mathcal{O}(9; \{4^8\})$	2305834213120671744
8	$\mathcal{O}(9; \{2^7, 4, 8^2\})$	144115188075855872
8	$\mathcal{O}(9; \{2^4, 4^3, 8^2\})$	576460752303423488
8	$\mathcal{O}(9; \{2, 4^5, 8^2\})$	2305843009213693952
8	$\mathcal{O}(9; \{2^5, 8^4\})$	1152921504606846976
8	$\mathcal{O}(9; \{2^2, 4^2, 8^4\})$	4611686018427387904
8	$\mathcal{O}(9; \{4, 8^6\})$	36893488147419103232
8	$\mathcal{O}(8; \{2^{16}\})$	281470681743360
8	$\mathcal{O}(8; \{2^{13}, 4^2\})$	562941363486720
8	$\mathcal{O}(8; \{2^{10}, 4^4\})$	2251765453946880
8	$\mathcal{O}(8; \{2^7, 4^6\})$	9007061815787520
8	$\mathcal{O}(8; \{2^4, 4^8\})$	36028247263150080
8	$\mathcal{O}(8; \{2, 4^{10}\})$	144112989052600320
8	$\mathcal{O}(8; \{2^{11}, 4, 8^2\})$	2251799813685248
8	$\mathcal{O}(8; \{2^8, 4^3, 8^2\})$	9007199254740992
8	$\mathcal{O}(8; \{2^5, 4^5, 8^2\})$	36028797018963968
8	$\mathcal{O}(8; \{2^2, 4^7, 8^2\})$	144115188075855872
8	$\mathcal{O}(8; \{2^9, 8^4\})$	18014398509481984
8	$\mathcal{O}(8; \{2^6, 4^2, 8^4\})$	72057594037927936
8	$\mathcal{O}(8; \{2^3, 4^4, 8^4\})$	288230376151711744
8	$\mathcal{O}(8; \{4^6, 8^4\})$	1152921504606846976
8	$\mathcal{O}(8; \{2^4, 4, 8^6\})$	576460752303423488
8	$\mathcal{O}(8; \{2, 4^3, 8^6\})$	2305843009213693952
8	$\mathcal{O}(8; \{2^2, 8^8\})$	4611686018427387904
8	$\mathcal{O}(7; \{2^{20}\})$	4397778075648
8	$\mathcal{O}(7; \{2^{17}, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{2^{14}, 4^4\})$	35182224605184
8	$\mathcal{O}(7; \{2^{11}, 4^6\})$	140728898420736
8	$\mathcal{O}(7; \{2^8, 4^8\})$	562915593682944
8	$\mathcal{O}(7; \{2^5, 4^{10}\})$	2251662374731776
8	$\mathcal{O}(7; \{2^2, 4^{12}\})$	9006649498927104
8	$\mathcal{O}(7; \{2^{15}, 4, 8^2\})$	35184372088832
8	$\mathcal{O}(7; \{2^{12}, 4^3, 8^2\})$	140737488355328
8	$\mathcal{O}(7; \{2^9, 4^5, 8^2\})$	562949953421312
8	$\mathcal{O}(7; \{2^6, 4^7, 8^2\})$	2251799813685248

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^3, 4^9, 8^2\})$	9007199254740992
8	$\mathcal{O}(7; \{4^{11}, 8^2\})$	36028797018963968
8	$\mathcal{O}(7; \{2^{13}, 8^4\})$	281474976710656
8	$\mathcal{O}(7; \{2^{10}, 4^2, 8^4\})$	1125899906842624
8	$\mathcal{O}(7; \{2^7, 4^4, 8^4\})$	4503599627370496
8	$\mathcal{O}(7; \{2^4, 4^6, 8^4\})$	18014398509481984
8	$\mathcal{O}(7; \{2, 4^8, 8^4\})$	72057594037927936
8	$\mathcal{O}(7; \{2^8, 4, 8^6\})$	9007199254740992
8	$\mathcal{O}(7; \{2^5, 4^3, 8^6\})$	36028797018963968
8	$\mathcal{O}(7; \{2^2, 4^5, 8^6\})$	144115188075855872
8	$\mathcal{O}(7; \{2^6, 8^8\})$	72057594037927936
8	$\mathcal{O}(7; \{2^3, 4^2, 8^8\})$	288230376151711744
8	$\mathcal{O}(7; \{4^4, 8^8\})$	1152921504606846976
8	$\mathcal{O}(7; \{2, 4, 8^{10}\})$	2305843009213693952
8	$\mathcal{O}(6; \{2^{24}\})$	68702699520
8	$\mathcal{O}(6; \{2^{21}, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^{18}, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^{15}, 4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^{12}, 4^8\})$	8793945538560
8	$\mathcal{O}(6; \{2^9, 4^{10}\})$	35175782154240
8	$\mathcal{O}(6; \{2^6, 4^{12}\})$	140703128616960
8	$\mathcal{O}(6; \{2^3, 4^{14}\})$	562812514467840
8	$\mathcal{O}(6; \{4^{16}\})$	2251250057871360
8	$\mathcal{O}(6; \{2^{19}, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2^{16}, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^{13}, 4^5, 8^2\})$	8796093022208
8	$\mathcal{O}(6; \{2^{10}, 4^7, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^7, 4^9, 8^2\})$	140737488355328
8	$\mathcal{O}(6; \{2^4, 4^{11}, 8^2\})$	562949953421312
8	$\mathcal{O}(6; \{2, 4^{13}, 8^2\})$	2251799813685248
8	$\mathcal{O}(6; \{2^{17}, 8^4\})$	4398046511104
8	$\mathcal{O}(6; \{2^{14}, 4^2, 8^4\})$	17592186044416
8	$\mathcal{O}(6; \{2^{11}, 4^4, 8^4\})$	70368744177664
8	$\mathcal{O}(6; \{2^8, 4^6, 8^4\})$	281474976710656
8	$\mathcal{O}(6; \{2^5, 4^8, 8^4\})$	1125899906842624
8	$\mathcal{O}(6; \{2^2, 4^{10}, 8^4\})$	4503599627370496
8	$\mathcal{O}(6; \{2^{12}, 4, 8^6\})$	140737488355328
8	$\mathcal{O}(6; \{2^9, 4^3, 8^6\})$	562949953421312
8	$\mathcal{O}(6; \{2^6, 4^5, 8^6\})$	2251799813685248
8	$\mathcal{O}(6; \{2^3, 4^7, 8^6\})$	9007199254740992
8	$\mathcal{O}(6; \{4^9, 8^6\})$	36028797018963968
8	$\mathcal{O}(6; \{2^{10}, 8^8\})$	1125899906842624
8	$\mathcal{O}(6; \{2^7, 4^2, 8^8\})$	4503599627370496

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(6; \{2^4, 4^4, 8^8\})$	18014398509481984
8	$\mathcal{O}(6; \{2, 4^6, 8^8\})$	72057594037927936
8	$\mathcal{O}(6; \{2^5, 4, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(6; \{2^2, 4^3, 8^{10}\})$	144115188075855872
8	$\mathcal{O}(6; \{2^3, 8^{12}\})$	288230376151711744
8	$\mathcal{O}(6; \{4^2, 8^{12}\})$	1152921504606846976
8	$\mathcal{O}(5; \{2^{28}\})$	1072693248
8	$\mathcal{O}(5; \{2^{25}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^{22}, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^{19}, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^{16}, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^{13}, 4^{10}\})$	549218942976
8	$\mathcal{O}(5; \{2^{10}, 4^{12}\})$	2196875771904
8	$\mathcal{O}(5; \{2^7, 4^{14}\})$	8787503087616
8	$\mathcal{O}(5; \{2^4, 4^{16}\})$	35150012350464
8	$\mathcal{O}(5; \{2, 4^{18}\})$	140600049401856
8	$\mathcal{O}(5; \{2^{23}, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^{20}, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^{17}, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^{14}, 4^7, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^{11}, 4^9, 8^2\})$	2199023255552
8	$\mathcal{O}(5; \{2^8, 4^{11}, 8^2\})$	8796093022208
8	$\mathcal{O}(5; \{2^5, 4^{13}, 8^2\})$	35184372088832
8	$\mathcal{O}(5; \{2^2, 4^{15}, 8^2\})$	140737488355328
8	$\mathcal{O}(5; \{2^{21}, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^{18}, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{2^{15}, 4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2^{12}, 4^6, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^9, 4^8, 8^4\})$	17592186044416
8	$\mathcal{O}(5; \{2^6, 4^{10}, 8^4\})$	70368744177664
8	$\mathcal{O}(5; \{2^3, 4^{12}, 8^4\})$	281474976710656
8	$\mathcal{O}(5; \{4^{14}, 8^4\})$	1125899906842624
8	$\mathcal{O}(5; \{2^{16}, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(5; \{2^{13}, 4^3, 8^6\})$	8796093022208
8	$\mathcal{O}(5; \{2^{10}, 4^5, 8^6\})$	35184372088832
8	$\mathcal{O}(5; \{2^7, 4^7, 8^6\})$	140737488355328
8	$\mathcal{O}(5; \{2^4, 4^9, 8^6\})$	562949953421312
8	$\mathcal{O}(5; \{2, 4^{11}, 8^6\})$	2251799813685248
8	$\mathcal{O}(5; \{2^{14}, 8^8\})$	17592186044416
8	$\mathcal{O}(5; \{2^{11}, 4^2, 8^8\})$	70368744177664
8	$\mathcal{O}(5; \{2^8, 4^4, 8^8\})$	281474976710656
8	$\mathcal{O}(5; \{2^5, 4^6, 8^8\})$	1125899906842624
8	$\mathcal{O}(5; \{2^2, 4^8, 8^8\})$	4503599627370496

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^9, 4, 8^{10}\})$	562949953421312
8	$\mathcal{O}(5; \{2^6, 4^3, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(5; \{2^3, 4^5, 8^{10}\})$	9007199254740992
8	$\mathcal{O}(5; \{4^7, 8^{10}\})$	36028797018963968
8	$\mathcal{O}(5; \{2^7, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^4, 4^2, 8^{12}\})$	18014398509481984
8	$\mathcal{O}(5; \{2, 4^4, 8^{12}\})$	72057594037927936
8	$\mathcal{O}(5; \{2^2, 4, 8^{14}\})$	144115188075855872
8	$\mathcal{O}(5; \{8^{16}\})$	1152921504606846976
8	$\mathcal{O}(4; \{2^{32}\})$	16711680
8	$\mathcal{O}(4; \{2^{29}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{26}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^{23}, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^{20}, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^{17}, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{14}, 4^{12}\})$	34225520640
8	$\mathcal{O}(4; \{2^{11}, 4^{14}\})$	136902082560
8	$\mathcal{O}(4; \{2^8, 4^{16}\})$	547608330240
8	$\mathcal{O}(4; \{2^5, 4^{18}\})$	2190433320960
8	$\mathcal{O}(4; \{2^2, 4^{20}\})$	8761733283840
8	$\mathcal{O}(4; \{2^{27}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^{24}, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^{21}, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^{18}, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{15}, 4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^{12}, 4^{11}, 8^2\})$	137438953472
8	$\mathcal{O}(4; \{2^9, 4^{13}, 8^2\})$	549755813888
8	$\mathcal{O}(4; \{2^6, 4^{15}, 8^2\})$	2199023255552
8	$\mathcal{O}(4; \{2^3, 4^{17}, 8^2\})$	8796093022208
8	$\mathcal{O}(4; \{4^{19}, 8^2\})$	35184372088832
8	$\mathcal{O}(4; \{2^{25}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^{22}, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^{19}, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^{16}, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{13}, 4^8, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^{10}, 4^{10}, 8^4\})$	1099511627776
8	$\mathcal{O}(4; \{2^7, 4^{12}, 8^4\})$	4398046511104
8	$\mathcal{O}(4; \{2^4, 4^{14}, 8^4\})$	17592186044416
8	$\mathcal{O}(4; \{2, 4^{16}, 8^4\})$	70368744177664
8	$\mathcal{O}(4; \{2^{20}, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^{17}, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^{14}, 4^5, 8^6\})$	549755813888
8	$\mathcal{O}(4; \{2^{11}, 4^7, 8^6\})$	2199023255552

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^8, 4^9, 8^6\})$	8796093022208
8	$\mathcal{O}(4; \{2^5, 4^{11}, 8^6\})$	35184372088832
8	$\mathcal{O}(4; \{2^2, 4^{13}, 8^6\})$	140737488355328
8	$\mathcal{O}(4; \{2^{18}, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{2^{15}, 4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(4; \{2^{12}, 4^4, 8^8\})$	4398046511104
8	$\mathcal{O}(4; \{2^9, 4^6, 8^8\})$	17592186044416
8	$\mathcal{O}(4; \{2^6, 4^8, 8^8\})$	70368744177664
8	$\mathcal{O}(4; \{2^3, 4^{10}, 8^8\})$	281474976710656
8	$\mathcal{O}(4; \{4^{12}, 8^8\})$	1125899906842624
8	$\mathcal{O}(4; \{2^{13}, 4, 8^{10}\})$	8796093022208
8	$\mathcal{O}(4; \{2^{10}, 4^3, 8^{10}\})$	35184372088832
8	$\mathcal{O}(4; \{2^7, 4^5, 8^{10}\})$	140737488355328
8	$\mathcal{O}(4; \{2^4, 4^7, 8^{10}\})$	562949953421312
8	$\mathcal{O}(4; \{2, 4^9, 8^{10}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^{11}, 8^{12}\})$	70368744177664
8	$\mathcal{O}(4; \{2^8, 4^2, 8^{12}\})$	281474976710656
8	$\mathcal{O}(4; \{2^5, 4^4, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^2, 4^6, 8^{12}\})$	4503599627370496
8	$\mathcal{O}(4; \{2^6, 4, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(4; \{2^3, 4^3, 8^{14}\})$	9007199254740992
8	$\mathcal{O}(4; \{4^5, 8^{14}\})$	36028797018963968
8	$\mathcal{O}(4; \{2^4, 8^{16}\})$	18014398509481984
8	$\mathcal{O}(4; \{2, 4^2, 8^{16}\})$	72057594037927936
8	$\mathcal{O}(3; \{2^{36}\})$	258048
8	$\mathcal{O}(3; \{2^{33}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{30}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{27}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^{24}, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^{21}, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{18}, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{15}, 4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^{12}, 4^{16}\})$	8455716864
8	$\mathcal{O}(3; \{2^9, 4^{18}\})$	33822867456
8	$\mathcal{O}(3; \{2^6, 4^{20}\})$	135291469824
8	$\mathcal{O}(3; \{2^3, 4^{22}\})$	541165879296
8	$\mathcal{O}(3; \{4^{24}\})$	2164663517184
8	$\mathcal{O}(3; \{2^{31}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{28}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{25}, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^{22}, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^{19}, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{16}, 4^{11}, 8^2\})$	2147483648

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{13}, 4^{13}, 8^2\})$	8589934592
8	$\mathcal{O}(3; \{2^{10}, 4^{15}, 8^2\})$	34359738368
8	$\mathcal{O}(3; \{2^7, 4^{17}, 8^2\})$	137438953472
8	$\mathcal{O}(3; \{2^4, 4^{19}, 8^2\})$	549755813888
8	$\mathcal{O}(3; \{2, 4^{21}, 8^2\})$	2199023255552
8	$\mathcal{O}(3; \{2^{29}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{26}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^{23}, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^{20}, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{17}, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{14}, 4^{10}, 8^4\})$	17179869184
8	$\mathcal{O}(3; \{2^{11}, 4^{12}, 8^4\})$	68719476736
8	$\mathcal{O}(3; \{2^8, 4^{14}, 8^4\})$	274877906944
8	$\mathcal{O}(3; \{2^5, 4^{16}, 8^4\})$	1099511627776
8	$\mathcal{O}(3; \{2^2, 4^{18}, 8^4\})$	4398046511104
8	$\mathcal{O}(3; \{2^{24}, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^{21}, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^{18}, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^{15}, 4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^{12}, 4^9, 8^6\})$	137438953472
8	$\mathcal{O}(3; \{2^9, 4^{11}, 8^6\})$	549755813888
8	$\mathcal{O}(3; \{2^6, 4^{13}, 8^6\})$	2199023255552
8	$\mathcal{O}(3; \{2^3, 4^{15}, 8^6\})$	8796093022208
8	$\mathcal{O}(3; \{4^{17}, 8^6\})$	35184372088832
8	$\mathcal{O}(3; \{2^{22}, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^{19}, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2^{16}, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^{13}, 4^6, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^{10}, 4^8, 8^8\})$	1099511627776
8	$\mathcal{O}(3; \{2^7, 4^{10}, 8^8\})$	4398046511104
8	$\mathcal{O}(3; \{2^4, 4^{12}, 8^8\})$	17592186044416
8	$\mathcal{O}(3; \{2, 4^{14}, 8^8\})$	70368744177664
8	$\mathcal{O}(3; \{2^{17}, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(3; \{2^{14}, 4^3, 8^{10}\})$	549755813888
8	$\mathcal{O}(3; \{2^{11}, 4^5, 8^{10}\})$	2199023255552
8	$\mathcal{O}(3; \{2^8, 4^7, 8^{10}\})$	8796093022208
8	$\mathcal{O}(3; \{2^5, 4^9, 8^{10}\})$	35184372088832
8	$\mathcal{O}(3; \{2^2, 4^{11}, 8^{10}\})$	140737488355328
8	$\mathcal{O}(3; \{2^{15}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(3; \{2^{12}, 4^2, 8^{12}\})$	4398046511104
8	$\mathcal{O}(3; \{2^9, 4^4, 8^{12}\})$	17592186044416
8	$\mathcal{O}(3; \{2^6, 4^6, 8^{12}\})$	70368744177664
8	$\mathcal{O}(3; \{2^3, 4^8, 8^{12}\})$	281474976710656

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{4^{10}, 8^{12}\})$	1125899906842624
8	$\mathcal{O}(3; \{2^{10}, 4, 8^{14}\})$	35184372088832
8	$\mathcal{O}(3; \{2^7, 4^3, 8^{14}\})$	140737488355328
8	$\mathcal{O}(3; \{2^4, 4^5, 8^{14}\})$	562949953421312
8	$\mathcal{O}(3; \{2, 4^7, 8^{14}\})$	2251799813685248
8	$\mathcal{O}(3; \{2^8, 8^{16}\})$	281474976710656
8	$\mathcal{O}(3; \{2^5, 4^2, 8^{16}\})$	1125899906842624
8	$\mathcal{O}(3; \{2^2, 4^4, 8^{16}\})$	4503599627370496
8	$\mathcal{O}(3; \{2^3, 4, 8^{18}\})$	9007199254740992
8	$\mathcal{O}(3; \{4^3, 8^{18}\})$	36028797018963968
8	$\mathcal{O}(3; \{2, 8^{20}\})$	72057594037927936
8	$\mathcal{O}(2; \{2^{40}\})$	3840
8	$\mathcal{O}(2; \{2^{37}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{34}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{31}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{28}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{25}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{22}, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{19}, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{16}, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{13}, 4^{18}\})$	503316480
8	$\mathcal{O}(2; \{2^{10}, 4^{20}\})$	2013265920
8	$\mathcal{O}(2; \{2^7, 4^{22}\})$	8053063680
8	$\mathcal{O}(2; \{2^4, 4^{24}\})$	32212254720
8	$\mathcal{O}(2; \{2, 4^{26}\})$	128849018880
8	$\mathcal{O}(2; \{2^{35}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{32}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{29}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{26}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{23}, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{20}, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{17}, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{14}, 4^{15}, 8^2\})$	536870912
8	$\mathcal{O}(2; \{2^{11}, 4^{17}, 8^2\})$	2147483648
8	$\mathcal{O}(2; \{2^8, 4^{19}, 8^2\})$	8589934592
8	$\mathcal{O}(2; \{2^5, 4^{21}, 8^2\})$	34359738368
8	$\mathcal{O}(2; \{2^2, 4^{23}, 8^2\})$	137438953472
8	$\mathcal{O}(2; \{2^{33}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{30}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{27}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^{24}, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^{21}, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^{18}, 4^{10}, 8^4\})$	268435456

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{15}, 4^{12}, 8^4\})$	1073741824
8	$\mathcal{O}(2; \{2^{12}, 4^{14}, 8^4\})$	4294967296
8	$\mathcal{O}(2; \{2^9, 4^{16}, 8^4\})$	17179869184
8	$\mathcal{O}(2; \{2^6, 4^{18}, 8^4\})$	68719476736
8	$\mathcal{O}(2; \{2^3, 4^{20}, 8^4\})$	274877906944
8	$\mathcal{O}(2; \{4^{22}, 8^4\})$	1099511627776
8	$\mathcal{O}(2; \{2^{28}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{25}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^{22}, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^{19}, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{16}, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{13}, 4^{11}, 8^6\})$	8589934592
8	$\mathcal{O}(2; \{2^{10}, 4^{13}, 8^6\})$	34359738368
8	$\mathcal{O}(2; \{2^7, 4^{15}, 8^6\})$	137438953472
8	$\mathcal{O}(2; \{2^4, 4^{17}, 8^6\})$	549755813888
8	$\mathcal{O}(2; \{2, 4^{19}, 8^6\})$	2199023255552
8	$\mathcal{O}(2; \{2^{26}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^{23}, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^{20}, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^{17}, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{14}, 4^8, 8^8\})$	17179869184
8	$\mathcal{O}(2; \{2^{11}, 4^{10}, 8^8\})$	68719476736
8	$\mathcal{O}(2; \{2^8, 4^{12}, 8^8\})$	274877906944
8	$\mathcal{O}(2; \{2^5, 4^{14}, 8^8\})$	1099511627776
8	$\mathcal{O}(2; \{2^2, 4^{16}, 8^8\})$	4398046511104
8	$\mathcal{O}(2; \{2^{21}, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^{18}, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^{15}, 4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^{12}, 4^7, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^9, 4^9, 8^{10}\})$	549755813888
8	$\mathcal{O}(2; \{2^6, 4^{11}, 8^{10}\})$	2199023255552
8	$\mathcal{O}(2; \{2^3, 4^{13}, 8^{10}\})$	8796093022208
8	$\mathcal{O}(2; \{4^{15}, 8^{10}\})$	35184372088832
8	$\mathcal{O}(2; \{2^{19}, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2^{16}, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(2; \{2^{13}, 4^4, 8^{12}\})$	274877906944
8	$\mathcal{O}(2; \{2^{10}, 4^6, 8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^7, 4^8, 8^{12}\})$	4398046511104
8	$\mathcal{O}(2; \{2^4, 4^{10}, 8^{12}\})$	17592186044416
8	$\mathcal{O}(2; \{2, 4^{12}, 8^{12}\})$	70368744177664
8	$\mathcal{O}(2; \{2^{14}, 4, 8^{14}\})$	549755813888
8	$\mathcal{O}(2; \{2^{11}, 4^3, 8^{14}\})$	2199023255552
8	$\mathcal{O}(2; \{2^8, 4^5, 8^{14}\})$	8796093022208

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^5, 4^7, 8^{14}\})$	35184372088832
8	$\mathcal{O}(2; \{2^2, 4^9, 8^{14}\})$	140737488355328
8	$\mathcal{O}(2; \{2^{12}, 8^{16}\})$	4398046511104
8	$\mathcal{O}(2; \{2^9, 4^2, 8^{16}\})$	17592186044416
8	$\mathcal{O}(2; \{2^6, 4^4, 8^{16}\})$	70368744177664
8	$\mathcal{O}(2; \{2^3, 4^6, 8^{16}\})$	281474976710656
8	$\mathcal{O}(2; \{4^8, 8^{16}\})$	1125899906842624
8	$\mathcal{O}(2; \{2^7, 4, 8^{18}\})$	140737488355328
8	$\mathcal{O}(2; \{2^4, 4^3, 8^{18}\})$	562949953421312
8	$\mathcal{O}(2; \{2, 4^5, 8^{18}\})$	2251799813685248
8	$\mathcal{O}(2; \{2^5, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(2; \{2^2, 4^2, 8^{20}\})$	4503599627370496
8	$\mathcal{O}(2; \{4, 8^{22}\})$	36028797018963968
8	$\mathcal{O}(1; \{2^{44}\})$	48
8	$\mathcal{O}(1; \{2^{41}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{38}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{35}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{32}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{29}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{26}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{23}, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{20}, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{17}, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{14}, 4^{20}\})$	25165824
8	$\mathcal{O}(1; \{2^{11}, 4^{22}\})$	100663296
8	$\mathcal{O}(1; \{2^8, 4^{24}\})$	402653184
8	$\mathcal{O}(1; \{2^5, 4^{26}\})$	1610612736
8	$\mathcal{O}(1; \{2^2, 4^{28}\})$	6442450944
8	$\mathcal{O}(1; \{2^{39}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{36}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{33}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{30}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{27}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^{24}, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{21}, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{18}, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{15}, 4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^{12}, 4^{19}, 8^2\})$	134217728
8	$\mathcal{O}(1; \{2^9, 4^{21}, 8^2\})$	536870912
8	$\mathcal{O}(1; \{2^6, 4^{23}, 8^2\})$	2147483648
8	$\mathcal{O}(1; \{2^3, 4^{25}, 8^2\})$	8589934592
8	$\mathcal{O}(1; \{4^{27}, 8^2\})$	34359738368
8	$\mathcal{O}(1; \{2^{37}, 8^4\})$	4096

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{34}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{31}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{28}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{25}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{22}, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{19}, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{16}, 4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^{13}, 4^{16}, 8^4\})$	268435456
8	$\mathcal{O}(1; \{2^{10}, 4^{18}, 8^4\})$	1073741824
8	$\mathcal{O}(1; \{2^7, 4^{20}, 8^4\})$	4294967296
8	$\mathcal{O}(1; \{2^4, 4^{22}, 8^4\})$	17179869184
8	$\mathcal{O}(1; \{2, 4^{24}, 8^4\})$	68719476736
8	$\mathcal{O}(1; \{2^{32}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{29}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{26}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^{23}, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^{20}, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{17}, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{14}, 4^{13}, 8^6\})$	536870912
8	$\mathcal{O}(1; \{2^{11}, 4^{15}, 8^6\})$	2147483648
8	$\mathcal{O}(1; \{2^8, 4^{17}, 8^6\})$	8589934592
8	$\mathcal{O}(1; \{2^5, 4^{19}, 8^6\})$	34359738368
8	$\mathcal{O}(1; \{2^2, 4^{21}, 8^6\})$	137438953472
8	$\mathcal{O}(1; \{2^{30}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{27}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^{24}, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^{21}, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{18}, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{15}, 4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^{12}, 4^{12}, 8^8\})$	4294967296
8	$\mathcal{O}(1; \{2^9, 4^{14}, 8^8\})$	17179869184
8	$\mathcal{O}(1; \{2^6, 4^{16}, 8^8\})$	68719476736
8	$\mathcal{O}(1; \{2^3, 4^{18}, 8^8\})$	274877906944
8	$\mathcal{O}(1; \{4^{20}, 8^8\})$	1099511627776
8	$\mathcal{O}(1; \{2^{25}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^{22}, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^{19}, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^{16}, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{13}, 4^9, 8^{10}\})$	8589934592
8	$\mathcal{O}(1; \{2^{10}, 4^{11}, 8^{10}\})$	34359738368
8	$\mathcal{O}(1; \{2^7, 4^{13}, 8^{10}\})$	137438953472
8	$\mathcal{O}(1; \{2^4, 4^{15}, 8^{10}\})$	549755813888
8	$\mathcal{O}(1; \{2, 4^{17}, 8^{10}\})$	2199023255552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{23}, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^{20}, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^{17}, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^{14}, 4^6, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^{11}, 4^8, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^8, 4^{10}, 8^{12}\})$	274877906944
8	$\mathcal{O}(1; \{2^5, 4^{12}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(1; \{2^2, 4^{14}, 8^{12}\})$	4398046511104
8	$\mathcal{O}(1; \{2^{18}, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{2^{15}, 4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2^{12}, 4^5, 8^{14}\})$	137438953472
8	$\mathcal{O}(1; \{2^9, 4^7, 8^{14}\})$	549755813888
8	$\mathcal{O}(1; \{2^6, 4^9, 8^{14}\})$	2199023255552
8	$\mathcal{O}(1; \{2^3, 4^{11}, 8^{14}\})$	8796093022208
8	$\mathcal{O}(1; \{4^{13}, 8^{14}\})$	35184372088832
8	$\mathcal{O}(1; \{2^{16}, 8^{16}\})$	68719476736
8	$\mathcal{O}(1; \{2^{13}, 4^2, 8^{16}\})$	274877906944
8	$\mathcal{O}(1; \{2^{10}, 4^4, 8^{16}\})$	1099511627776
8	$\mathcal{O}(1; \{2^7, 4^6, 8^{16}\})$	4398046511104
8	$\mathcal{O}(1; \{2^4, 4^8, 8^{16}\})$	17592186044416
8	$\mathcal{O}(1; \{2, 4^{10}, 8^{16}\})$	70368744177664
8	$\mathcal{O}(1; \{2^{11}, 4, 8^{18}\})$	2199023255552
8	$\mathcal{O}(1; \{2^8, 4^3, 8^{18}\})$	8796093022208
8	$\mathcal{O}(1; \{2^5, 4^5, 8^{18}\})$	35184372088832
8	$\mathcal{O}(1; \{2^2, 4^7, 8^{18}\})$	140737488355328
8	$\mathcal{O}(1; \{2^9, 8^{20}\})$	17592186044416
8	$\mathcal{O}(1; \{2^6, 4^2, 8^{20}\})$	70368744177664
8	$\mathcal{O}(1; \{2^3, 4^4, 8^{20}\})$	281474976710656
8	$\mathcal{O}(1; \{4^6, 8^{20}\})$	1125899906842624
8	$\mathcal{O}(1; \{2^4, 4, 8^{22}\})$	562949953421312
8	$\mathcal{O}(1; \{2, 4^3, 8^{22}\})$	2251799813685248
8	$\mathcal{O}(1; \{2^2, 8^{24}\})$	4503599627370496
8	$\mathcal{O}(0; \{2^{43}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{40}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{37}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{34}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{31}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{28}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{25}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{22}, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{19}, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{16}, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{13}, 4^{21}, 8^2\})$	8388608

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{10}, 4^{23}, 8^2\})$	33554432
8	$\mathcal{O}(0; \{2^7, 4^{25}, 8^2\})$	134217728
8	$\mathcal{O}(0; \{2^4, 4^{27}, 8^2\})$	536870912
8	$\mathcal{O}(0; \{2, 4^{29}, 8^2\})$	2147483648
8	$\mathcal{O}(0; \{2^{41}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{38}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{35}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{32}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{29}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{26}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^{23}, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{20}, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{17}, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{14}, 4^{18}, 8^4\})$	16777216
8	$\mathcal{O}(0; \{2^{11}, 4^{20}, 8^4\})$	67108864
8	$\mathcal{O}(0; \{2^8, 4^{22}, 8^4\})$	268435456
8	$\mathcal{O}(0; \{2^5, 4^{24}, 8^4\})$	1073741824
8	$\mathcal{O}(0; \{2^2, 4^{26}, 8^4\})$	4294967296
8	$\mathcal{O}(0; \{2^{36}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{33}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{30}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{27}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{24}, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{21}, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{18}, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{15}, 4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^{12}, 4^{17}, 8^6\})$	134217728
8	$\mathcal{O}(0; \{2^9, 4^{19}, 8^6\})$	536870912
8	$\mathcal{O}(0; \{2^6, 4^{21}, 8^6\})$	2147483648
8	$\mathcal{O}(0; \{2^3, 4^{23}, 8^6\})$	8589934592
8	$\mathcal{O}(0; \{4^{25}, 8^6\})$	34359738368
8	$\mathcal{O}(0; \{2^{34}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{31}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{28}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{25}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{22}, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^{19}, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{16}, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{13}, 4^{14}, 8^8\})$	268435456
8	$\mathcal{O}(0; \{2^{10}, 4^{16}, 8^8\})$	1073741824
8	$\mathcal{O}(0; \{2^7, 4^{18}, 8^8\})$	4294967296
8	$\mathcal{O}(0; \{2^4, 4^{20}, 8^8\})$	17179869184
8	$\mathcal{O}(0; \{2, 4^{22}, 8^8\})$	68719476736

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{29}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{26}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^{23}, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^{20}, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{17}, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{14}, 4^{11}, 8^{10}\})$	536870912
8	$\mathcal{O}(0; \{2^{11}, 4^{13}, 8^{10}\})$	2147483648
8	$\mathcal{O}(0; \{2^8, 4^{15}, 8^{10}\})$	8589934592
8	$\mathcal{O}(0; \{2^5, 4^{17}, 8^{10}\})$	34359738368
8	$\mathcal{O}(0; \{2^2, 4^{19}, 8^{10}\})$	137438953472
8	$\mathcal{O}(0; \{2^{27}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^{24}, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^{21}, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^{18}, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{15}, 4^8, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^{12}, 4^{10}, 8^{12}\})$	4294967296
8	$\mathcal{O}(0; \{2^9, 4^{12}, 8^{12}\})$	17179869184
8	$\mathcal{O}(0; \{2^6, 4^{14}, 8^{12}\})$	68719476736
8	$\mathcal{O}(0; \{2^3, 4^{16}, 8^{12}\})$	274877906944
8	$\mathcal{O}(0; \{4^{18}, 8^{12}\})$	1099511627776
8	$\mathcal{O}(0; \{2^{22}, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^{19}, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^{16}, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^{13}, 4^7, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^{10}, 4^9, 8^{14}\})$	34359738368
8	$\mathcal{O}(0; \{2^7, 4^{11}, 8^{14}\})$	137438953472
8	$\mathcal{O}(0; \{2^4, 4^{13}, 8^{14}\})$	549755813888
8	$\mathcal{O}(0; \{2, 4^{15}, 8^{14}\})$	2199023255552
8	$\mathcal{O}(0; \{2^{20}, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^{17}, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{2^{14}, 4^4, 8^{16}\})$	17179869184
8	$\mathcal{O}(0; \{2^{11}, 4^6, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^8, 4^8, 8^{16}\})$	274877906944
8	$\mathcal{O}(0; \{2^5, 4^{10}, 8^{16}\})$	1099511627776
8	$\mathcal{O}(0; \{2^2, 4^{12}, 8^{16}\})$	4398046511104
8	$\mathcal{O}(0; \{2^{15}, 4, 8^{18}\})$	34359738368
8	$\mathcal{O}(0; \{2^{12}, 4^3, 8^{18}\})$	137438953472
8	$\mathcal{O}(0; \{2^9, 4^5, 8^{18}\})$	549755813888
8	$\mathcal{O}(0; \{2^6, 4^7, 8^{18}\})$	2199023255552
8	$\mathcal{O}(0; \{2^3, 4^9, 8^{18}\})$	8796093022208
8	$\mathcal{O}(0; \{4^{11}, 8^{18}\})$	35184372088832
8	$\mathcal{O}(0; \{2^{13}, 8^{20}\})$	274877906944
8	$\mathcal{O}(0; \{2^{10}, 4^2, 8^{20}\})$	1099511627776

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^7, 4^4, 8^{20}\})$	4398046511104
8	$\mathcal{O}(0; \{2^4, 4^6, 8^{20}\})$	17592186044416
8	$\mathcal{O}(0; \{2, 4^8, 8^{20}\})$	70368744177664
8	$\mathcal{O}(0; \{2^8, 4, 8^{22}\})$	8796093022208
8	$\mathcal{O}(0; \{2^5, 4^3, 8^{22}\})$	35184372088832
8	$\mathcal{O}(0; \{2^2, 4^5, 8^{22}\})$	140737488355328
8	$\mathcal{O}(0; \{2^6, 8^{24}\})$	70368744177664
8	$\mathcal{O}(0; \{2^3, 4^2, 8^{24}\})$	281474976710656
8	$\mathcal{O}(0; \{4^4, 8^{24}\})$	1125899906842624
8	$\mathcal{O}(0; \{2, 4, 8^{26}\})$	2251799813685248
9	$\mathcal{O}(9; \{9^4\})$	24315330918113857602
9	$\mathcal{O}(8; \{3^3, 9^4\})$	2401514164751985936
9	$\mathcal{O}(7; \{3^6, 9^4\})$	237186584173035648
9	$\mathcal{O}(7; \{3^2, 9^7\})$	2801766525543983592
9	$\mathcal{O}(6; \{3^9, 9^4\})$	23425835473880064
9	$\mathcal{O}(6; \{3^5, 9^7\})$	276717681535208256
9	$\mathcal{O}(6; \{3, 9^{10}\})$	3802397427523977732
9	$\mathcal{O}(5; \{3^{12}, 9^4\})$	2313662762852352
9	$\mathcal{O}(5; \{3^8, 9^7\})$	27330141386193408
9	$\mathcal{O}(5; \{3^4, 9^{10}\})$	375545424940639776
9	$\mathcal{O}(5; \{9^{13}\})$	5058745115565525930
9	$\mathcal{O}(4; \{3^{15}, 9^4\})$	228509902503936
9	$\mathcal{O}(4; \{3^{11}, 9^7\})$	2699273223327744
9	$\mathcal{O}(4; \{3^7, 9^{10}\})$	37090906166976768
9	$\mathcal{O}(4; \{3^3, 9^{13}\})$	499629147216348240
9	$\mathcal{O}(3; \{3^{18}, 9^4\})$	22568879259648
9	$\mathcal{O}(3; \{3^{14}, 9^7\})$	266594886254592
9	$\mathcal{O}(3; \{3^{10}, 9^{10}\})$	3663299374516224
9	$\mathcal{O}(3; \{3^6, 9^{13}\})$	49346088613960320
9	$\mathcal{O}(3; \{3^2, 9^{16}\})$	666355210628104008
9	$\mathcal{O}(2; \{3^{21}, 9^4\})$	2229025112064
9	$\mathcal{O}(2; \{3^{17}, 9^7\})$	26330359136256
9	$\mathcal{O}(2; \{3^{13}, 9^{10}\})$	361807345631232
9	$\mathcal{O}(2; \{3^9, 9^{13}\})$	4873687764341760
9	$\mathcal{O}(2; \{3^5, 9^{16}\})$	65812860308948544
9	$\mathcal{O}(2; \{3, 9^{19}\})$	888443111780865396
9	$\mathcal{O}(1; \{3^{24}, 9^4\})$	220150628352
9	$\mathcal{O}(1; \{3^{20}, 9^7\})$	2600529297408
9	$\mathcal{O}(1; \{3^{16}, 9^{10}\})$	35734058827776
9	$\mathcal{O}(1; \{3^{12}, 9^{13}\})$	481351877959680
9	$\mathcal{O}(1; \{3^8, 9^{16}\})$	6500035586068992
9	$\mathcal{O}(1; \{3^4, 9^{19}\})$	87747467830208928
9	$\mathcal{O}(1; \{9^{22}\})$	1184595899439477186

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(0; \{3^{27}, 9^4\})$	21743271936
9	$\mathcal{O}(0; \{3^{23}, 9^7\})$	256842399744
9	$\mathcal{O}(0; \{3^{19}, 9^{10}\})$	3529289760768
9	$\mathcal{O}(0; \{3^{15}, 9^{13}\})$	47540926218240
9	$\mathcal{O}(0; \{3^{11}, 9^{16}\})$	641978823315456
9	$\mathcal{O}(0; \{3^7, 9^{19}\})$	8666416575823104
9	$\mathcal{O}(0; \{3^3, 9^{22}\})$	116997125870565648
10	$\mathcal{O}(9; \{5^2\})$	3999984741210937500
10	$\mathcal{O}(8; \{2^4, 5^2\})$	4000000000000000
10	$\mathcal{O}(8; \{2^2, 5, 10^2\})$	12000000000000000
10	$\mathcal{O}(8; \{10^4\})$	52000000000000000
10	$\mathcal{O}(7; \{2^8, 5^2\})$	4000000000000000
10	$\mathcal{O}(7; \{5^7\})$	327580004882812500
10	$\mathcal{O}(7; \{2^3, 5^4, 10\})$	20400000000000000
10	$\mathcal{O}(7; \{2^6, 5, 10^2\})$	12000000000000000
10	$\mathcal{O}(7; \{2, 5^3, 10^3\})$	82000000000000000
10	$\mathcal{O}(7; \{2^4, 10^4\})$	52000000000000000
10	$\mathcal{O}(6; \{2^{12}, 5^2\})$	4000000000000000
10	$\mathcal{O}(6; \{2^4, 5^7\})$	32760000000000000
10	$\mathcal{O}(6; \{2^7, 5^4, 10\})$	20400000000000000
10	$\mathcal{O}(6; \{2^{10}, 5, 10^2\})$	12000000000000000
10	$\mathcal{O}(6; \{2^2, 5^6, 10^2\})$	131080000000000000
10	$\mathcal{O}(6; \{2^5, 5^3, 10^3\})$	82000000000000000
10	$\mathcal{O}(6; \{2^8, 10^4\})$	52000000000000000
10	$\mathcal{O}(6; \{5^5, 10^4\})$	524280000000000000
10	$\mathcal{O}(6; \{2^3, 5^2, 10^5\})$	327600000000000000
10	$\mathcal{O}(6; \{2, 5, 10^7\})$	1310800000000000000
10	$\mathcal{O}(5; \{2^{16}, 5^2\})$	400000000000
10	$\mathcal{O}(5; \{2^8, 5^7\})$	3276000000000000
10	$\mathcal{O}(5; \{5^{12}\})$	33521671992187500
10	$\mathcal{O}(5; \{2^{11}, 5^4, 10\})$	2040000000000000
10	$\mathcal{O}(5; \{2^3, 5^9, 10\})$	20971600000000000
10	$\mathcal{O}(5; \{2^{14}, 5, 10^2\})$	1200000000000000
10	$\mathcal{O}(5; \{2^6, 5^6, 10^2\})$	131080000000000000
10	$\mathcal{O}(5; \{2^9, 5^3, 10^3\})$	82000000000000000
10	$\mathcal{O}(5; \{2, 5^8, 10^3\})$	838860000000000000
10	$\mathcal{O}(5; \{2^{12}, 10^4\})$	5200000000000000
10	$\mathcal{O}(5; \{2^4, 5^5, 10^4\})$	524280000000000000
10	$\mathcal{O}(5; \{2^7, 5^2, 10^5\})$	32760000000000000
10	$\mathcal{O}(5; \{2^2, 5^4, 10^6\})$	209716000000000000
10	$\mathcal{O}(5; \{2^5, 5, 10^7\})$	1310800000000000000
10	$\mathcal{O}(5; \{5^3, 10^8\})$	838860000000000000
10	$\mathcal{O}(5; \{2^3, 10^9\})$	524280000000000000

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{2^{20}, 5^2\})$	400000000
10	$\mathcal{O}(4; \{2^{12}, 5^7\})$	32760000000
10	$\mathcal{O}(4; \{2^4, 5^{12}\})$	335544400000000
10	$\mathcal{O}(4; \{2^{15}, 5^4, 10\})$	20400000000
10	$\mathcal{O}(4; \{2^7, 5^9, 10\})$	20971600000000
10	$\mathcal{O}(4; \{2^{18}, 5, 10^2\})$	1200000000
10	$\mathcal{O}(4; \{2^{10}, 5^6, 10^2\})$	1310800000000
10	$\mathcal{O}(4; \{2^2, 5^{11}, 10^2\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{13}, 5^3, 10^3\})$	8200000000
10	$\mathcal{O}(4; \{2^5, 5^8, 10^3\})$	838860000000000
10	$\mathcal{O}(4; \{2^{16}, 10^4\})$	5200000000
10	$\mathcal{O}(4; \{2^8, 5^5, 10^4\})$	5242800000000
10	$\mathcal{O}(4; \{5^{10}, 10^4\})$	5368709200000000
10	$\mathcal{O}(4; \{2^{11}, 5^2, 10^5\})$	327600000000
10	$\mathcal{O}(4; \{2^3, 5^7, 10^5\})$	3355444000000000
10	$\mathcal{O}(4; \{2^6, 5^4, 10^6\})$	20971600000000
10	$\mathcal{O}(4; \{2^9, 5, 10^7\})$	1310800000000
10	$\mathcal{O}(4; \{2, 5^6, 10^7\})$	1342177200000000
10	$\mathcal{O}(4; \{2^4, 5^3, 10^8\})$	838860000000000
10	$\mathcal{O}(4; \{2^7, 10^9\})$	5242800000000
10	$\mathcal{O}(4; \{2^2, 5^2, 10^{10}\})$	3355444000000000
10	$\mathcal{O}(4; \{5, 10^{12}\})$	1342177200000000
10	$\mathcal{O}(3; \{2^{24}, 5^2\})$	4000000
10	$\mathcal{O}(3; \{2^{16}, 5^7\})$	3276000000
10	$\mathcal{O}(3; \{2^8, 5^{12}\})$	3355444000000
10	$\mathcal{O}(3; \{5^{17}\})$	3382286744812500
10	$\mathcal{O}(3; \{2^{19}, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^{11}, 5^9, 10\})$	209716000000
10	$\mathcal{O}(3; \{2^3, 5^{14}, 10\})$	214748364000000
10	$\mathcal{O}(3; \{2^{22}, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{2^{14}, 5^6, 10^2\})$	13108000000
10	$\mathcal{O}(3; \{2^6, 5^{11}, 10^2\})$	13421772000000
10	$\mathcal{O}(3; \{2^{17}, 5^3, 10^3\})$	820000000
10	$\mathcal{O}(3; \{2^9, 5^8, 10^3\})$	838860000000
10	$\mathcal{O}(3; \{2, 5^{13}, 10^3\})$	858993460000000
10	$\mathcal{O}(3; \{2^{20}, 10^4\})$	52000000
10	$\mathcal{O}(3; \{2^{12}, 5^5, 10^4\})$	52428000000
10	$\mathcal{O}(3; \{2^4, 5^{10}, 10^4\})$	53687092000000
10	$\mathcal{O}(3; \{2^{15}, 5^2, 10^5\})$	3276000000
10	$\mathcal{O}(3; \{2^7, 5^7, 10^5\})$	3355444000000
10	$\mathcal{O}(3; \{2^{10}, 5^4, 10^6\})$	209716000000
10	$\mathcal{O}(3; \{2^2, 5^9, 10^6\})$	214748364000000
10	$\mathcal{O}(3; \{2^{13}, 5, 10^7\})$	13108000000

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^5, 5^6, 10^7\})$	13421772000000
10	$\mathcal{O}(3; \{2^8, 5^3, 10^8\})$	838860000000
10	$\mathcal{O}(3; \{5^8, 10^8\})$	85899346000000
10	$\mathcal{O}(3; \{2^{11}, 10^9\})$	524280000000
10	$\mathcal{O}(3; \{2^3, 5^5, 10^9\})$	53687092000000
10	$\mathcal{O}(3; \{2^6, 5^2, 10^{10}\})$	33554440000000
10	$\mathcal{O}(3; \{2, 5^4, 10^{11}\})$	214748364000000
10	$\mathcal{O}(3; \{2^4, 5, 10^{12}\})$	13421772000000
10	$\mathcal{O}(3; \{2^2, 10^{14}\})$	53687092000000
10	$\mathcal{O}(2; \{2^{28}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^{20}, 5^7\})$	32760000
10	$\mathcal{O}(2; \{2^{12}, 5^{12}\})$	335544400000
10	$\mathcal{O}(2; \{2^4, 5^{17}\})$	34359738360000
10	$\mathcal{O}(2; \{2^{23}, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2^{15}, 5^9, 10\})$	2097160000
10	$\mathcal{O}(2; \{2^7, 5^{14}, 10\})$	2147483640000
10	$\mathcal{O}(2; \{2^{26}, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{2^{18}, 5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^{10}, 5^{11}, 10^2\})$	134217720000
10	$\mathcal{O}(2; \{2^2, 5^{16}, 10^2\})$	137438953480000
10	$\mathcal{O}(2; \{2^{21}, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2^{13}, 5^8, 10^3\})$	8388600000
10	$\mathcal{O}(2; \{2^5, 5^{13}, 10^3\})$	85899346000000
10	$\mathcal{O}(2; \{2^{24}, 10^4\})$	520000
10	$\mathcal{O}(2; \{2^{16}, 5^5, 10^4\})$	524280000
10	$\mathcal{O}(2; \{2^8, 5^{10}, 10^4\})$	536870920000
10	$\mathcal{O}(2; \{5^{15}, 10^4\})$	549755813880000
10	$\mathcal{O}(2; \{2^{19}, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(2; \{2^{11}, 5^7, 10^5\})$	335544400000
10	$\mathcal{O}(2; \{2^3, 5^{12}, 10^5\})$	34359738360000
10	$\mathcal{O}(2; \{2^{14}, 5^4, 10^6\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^9, 10^6\})$	2147483640000
10	$\mathcal{O}(2; \{2^{17}, 5, 10^7\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^6, 10^7\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^{11}, 10^7\})$	137438953480000
10	$\mathcal{O}(2; \{2^{12}, 5^3, 10^8\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^8, 10^8\})$	85899346000000
10	$\mathcal{O}(2; \{2^{15}, 10^9\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^5, 10^9\})$	536870920000
10	$\mathcal{O}(2; \{2^{10}, 5^2, 10^{10}\})$	335544400000
10	$\mathcal{O}(2; \{2^2, 5^7, 10^{10}\})$	34359738360000
10	$\mathcal{O}(2; \{2^5, 5^4, 10^{11}\})$	2147483640000
10	$\mathcal{O}(2; \{2^8, 5, 10^{12}\})$	134217720000

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{5^6, 10^{12}\})$	137438953480000
10	$\mathcal{O}(2; \{2^3, 5^3, 10^{13}\})$	8589934600000
10	$\mathcal{O}(2; \{2^6, 10^{14}\})$	536870920000
10	$\mathcal{O}(2; \{2, 5^2, 10^{15}\})$	34359738360000
10	$\mathcal{O}(1; \{2^{32}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^{24}, 5^7\})$	327600
10	$\mathcal{O}(1; \{2^{16}, 5^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^8, 5^{17}\})$	343597383600
10	$\mathcal{O}(1; \{5^{22}\})$	263882790666300
10	$\mathcal{O}(1; \{2^{27}, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^{19}, 5^9, 10\})$	20971600
10	$\mathcal{O}(1; \{2^{11}, 5^{14}, 10\})$	21474836400
10	$\mathcal{O}(1; \{2^3, 5^{19}, 10\})$	21990232555600
10	$\mathcal{O}(1; \{2^{30}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^{22}, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{2^{14}, 5^{11}, 10^2\})$	1342177200
10	$\mathcal{O}(1; \{2^6, 5^{16}, 10^2\})$	1374389534800
10	$\mathcal{O}(1; \{2^{25}, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^{17}, 5^8, 10^3\})$	83886000
10	$\mathcal{O}(1; \{2^9, 5^{13}, 10^3\})$	85899346000
10	$\mathcal{O}(1; \{2, 5^{18}, 10^3\})$	87960930222000
10	$\mathcal{O}(1; \{2^{28}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^{20}, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{2^{12}, 5^{10}, 10^4\})$	5368709200
10	$\mathcal{O}(1; \{2^4, 5^{15}, 10^4\})$	5497558138800
10	$\mathcal{O}(1; \{2^{23}, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{2^{15}, 5^7, 10^5\})$	335544400
10	$\mathcal{O}(1; \{2^7, 5^{12}, 10^5\})$	343597383600
10	$\mathcal{O}(1; \{2^{18}, 5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^9, 10^6\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^{14}, 10^6\})$	21990232555600
10	$\mathcal{O}(1; \{2^{21}, 5, 10^7\})$	1310800
10	$\mathcal{O}(1; \{2^{13}, 5^6, 10^7\})$	1342177200
10	$\mathcal{O}(1; \{2^5, 5^{11}, 10^7\})$	1374389534800
10	$\mathcal{O}(1; \{2^{16}, 5^3, 10^8\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^8, 10^8\})$	85899346000
10	$\mathcal{O}(1; \{5^{13}, 10^8\})$	87960930222000
10	$\mathcal{O}(1; \{2^{19}, 10^9\})$	5242800
10	$\mathcal{O}(1; \{2^{11}, 5^5, 10^9\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^{10}, 10^9\})$	5497558138800
10	$\mathcal{O}(1; \{2^{14}, 5^2, 10^{10}\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^7, 10^{10}\})$	343597383600
10	$\mathcal{O}(1; \{2^9, 5^4, 10^{11}\})$	21474836400

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2, 5^9, 10^{11}\})$	21990232555600
10	$\mathcal{O}(1; \{2^{12}, 5, 10^{12}\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^6, 10^{12}\})$	1374389534800
10	$\mathcal{O}(1; \{2^7, 5^3, 10^{13}\})$	85899346000
10	$\mathcal{O}(1; \{2^{10}, 10^{14}\})$	5368709200
10	$\mathcal{O}(1; \{2^2, 5^5, 10^{14}\})$	5497558138800
10	$\mathcal{O}(1; \{2^5, 5^2, 10^{15}\})$	343597383600
10	$\mathcal{O}(1; \{5^4, 10^{16}\})$	21990232555600
10	$\mathcal{O}(1; \{2^3, 5, 10^{17}\})$	1374389534800
10	$\mathcal{O}(1; \{2, 10^{19}\})$	5497558138800
10	$\mathcal{O}(0; \{2^{36}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{28}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^{20}, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{12}, 5^{17}\})$	3435973836
10	$\mathcal{O}(0; \{2^4, 5^{22}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{31}, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^{23}, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2^{15}, 5^{14}, 10\})$	214748364
10	$\mathcal{O}(0; \{2^7, 5^{19}, 10\})$	219902325556
10	$\mathcal{O}(0; \{2^{34}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^{26}, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^{18}, 5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^{10}, 5^{16}, 10^2\})$	13743895348
10	$\mathcal{O}(0; \{2^2, 5^{21}, 10^2\})$	14073748835532
10	$\mathcal{O}(0; \{2^{29}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^{21}, 5^8, 10^3\})$	838860
10	$\mathcal{O}(0; \{2^{13}, 5^{13}, 10^3\})$	858993460
10	$\mathcal{O}(0; \{2^5, 5^{18}, 10^3\})$	879609302220
10	$\mathcal{O}(0; \{2^{32}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^{24}, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^{16}, 5^{10}, 10^4\})$	53687092
10	$\mathcal{O}(0; \{2^8, 5^{15}, 10^4\})$	54975581388
10	$\mathcal{O}(0; \{5^{20}, 10^4\})$	56294995342132
10	$\mathcal{O}(0; \{2^{27}, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2^{19}, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^{11}, 5^{12}, 10^5\})$	3435973836
10	$\mathcal{O}(0; \{2^3, 5^{17}, 10^5\})$	3518437208884
10	$\mathcal{O}(0; \{2^{22}, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{2^{14}, 5^9, 10^6\})$	214748364
10	$\mathcal{O}(0; \{2^6, 5^{14}, 10^6\})$	219902325556
10	$\mathcal{O}(0; \{2^{25}, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2^{17}, 5^6, 10^7\})$	13421772
10	$\mathcal{O}(0; \{2^9, 5^{11}, 10^7\})$	13743895348

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2, 5^{16}, 10^7\})$	14073748835532
10	$\mathcal{O}(0; \{2^{20}, 5^3, 10^8\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^8, 10^8\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{13}, 10^8\})$	879609302220
10	$\mathcal{O}(0; \{2^{23}, 10^9\})$	52428
10	$\mathcal{O}(0; \{2^{15}, 5^5, 10^9\})$	53687092
10	$\mathcal{O}(0; \{2^7, 5^{10}, 10^9\})$	54975581388
10	$\mathcal{O}(0; \{2^{18}, 5^2, 10^{10}\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^7, 10^{10}\})$	3435973836
10	$\mathcal{O}(0; \{2^2, 5^{12}, 10^{10}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{13}, 5^4, 10^{11}\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^9, 10^{11}\})$	219902325556
10	$\mathcal{O}(0; \{2^{16}, 5, 10^{12}\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^6, 10^{12}\})$	13743895348
10	$\mathcal{O}(0; \{5^{11}, 10^{12}\})$	14073748835532
10	$\mathcal{O}(0; \{2^{11}, 5^3, 10^{13}\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^8, 10^{13}\})$	879609302220
10	$\mathcal{O}(0; \{2^{14}, 10^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^5, 10^{14}\})$	54975581388
10	$\mathcal{O}(0; \{2^9, 5^2, 10^{15}\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^7, 10^{15}\})$	3518437208884
10	$\mathcal{O}(0; \{2^4, 5^4, 10^{16}\})$	219902325556
10	$\mathcal{O}(0; \{2^7, 5, 10^{17}\})$	13743895348
10	$\mathcal{O}(0; \{2^2, 5^3, 10^{18}\})$	879609302220
10	$\mathcal{O}(0; \{2^5, 10^{19}\})$	54975581388
10	$\mathcal{O}(0; \{5^2, 10^{20}\})$	3518437208884
11	$\mathcal{O}(9; \emptyset)$	5559917313492231480
11	$\mathcal{O}(4; \{11^{11}\})$	1948717099805128290
12	$\mathcal{O}(7; \{3^4\})$	7703040602308608
12	$\mathcal{O}(7; \{2, 3^2, 6\})$	2567680200769536
12	$\mathcal{O}(7; \{2^2, 6^2\})$	2567680200769536
12	$\mathcal{O}(7; \{6, 12^2\})$	5135673858195456
12	$\mathcal{O}(6; \{2^4, 3^4\})$	53483541995520
12	$\mathcal{O}(6; \{3^7\})$	374384793968640
12	$\mathcal{O}(6; \{2, 3^4, 4^2\})$	106993205379072
12	$\mathcal{O}(6; \{2^5, 3^2, 6\})$	17827847331840
12	$\mathcal{O}(6; \{2, 3^5, 6\})$	196106320650240
12	$\mathcal{O}(6; \{2^2, 3^2, 4^2, 6\})$	35664401793024
12	$\mathcal{O}(6; \{2^6, 6^2\})$	17827847331840
12	$\mathcal{O}(6; \{2^2, 3^3, 6^2\})$	89139236659200
12	$\mathcal{O}(6; \{2^3, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{4^4, 6^2\})$	142657607172096
12	$\mathcal{O}(6; \{2^3, 3, 6^3\})$	53483541995520

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(6; \{3, 4^2, 6^3\})$	106993205379072
12	$\mathcal{O}(6; \{3^2, 6^4\})$	196106320650240
12	$\mathcal{O}(6; \{2, 6^5\})$	89139236659200
12	$\mathcal{O}(6; \{2^2, 3^3, 4, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^3, 3, 4, 6, 12\})$	35664401793024
12	$\mathcal{O}(6; \{3, 4^3, 6, 12\})$	142657607172096
12	$\mathcal{O}(6; \{3^2, 4, 6^2, 12\})$	178322008965120
12	$\mathcal{O}(6; \{2, 4, 6^3, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^3, 3^2, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{3^2, 4^2, 12^2\})$	427972821516288
12	$\mathcal{O}(6; \{2^4, 6, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{3^3, 6, 12^2\})$	392308419723264
12	$\mathcal{O}(6; \{2, 4^2, 6, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3, 6^2, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2, 3, 4, 12^3\})$	427972821516288
12	$\mathcal{O}(6; \{2^2, 12^4\})$	427972821516288
12	$\mathcal{O}(5; \{2^8, 3^4\})$	371141388288
12	$\mathcal{O}(5; \{2^4, 3^7\})$	2597989718016
12	$\mathcal{O}(5; \{3^{10}\})$	21155059132416
12	$\mathcal{O}(5; \{2^5, 3^4, 4^2\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^7, 4^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^4, 4^4\})$	2972033482752
12	$\mathcal{O}(5; \{2^9, 3^2, 6\})$	123713796096
12	$\mathcal{O}(5; \{2^5, 3^5, 6\})$	1360851757056
12	$\mathcal{O}(5; \{2, 3^8, 6\})$	10515672668160
12	$\mathcal{O}(5; \{2^6, 3^2, 4^2, 6\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^5, 4^2, 6\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 3^2, 4^4, 6\})$	990677827584
12	$\mathcal{O}(5; \{3^2, 4^6, 6\})$	3962711310336
12	$\mathcal{O}(5; \{2^{10}, 6^2\})$	123713796096
12	$\mathcal{O}(5; \{2^6, 3^3, 6^2\})$	618568980480
12	$\mathcal{O}(5; \{2^2, 3^6, 6^2\})$	5319693232128
12	$\mathcal{O}(5; \{2^7, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^3, 4^2, 6^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^4, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4^4, 6^2\})$	4953389137920
12	$\mathcal{O}(5; \{2, 4^6, 6^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^7, 3, 6^3\})$	371141388288
12	$\mathcal{O}(5; \{2^3, 3^4, 6^3\})$	2597989718016
12	$\mathcal{O}(5; \{2^4, 3, 4^2, 6^3\})$	743008370688
12	$\mathcal{O}(5; \{3^4, 4^2, 6^3\})$	5201058594816
12	$\mathcal{O}(5; \{2, 3, 4^4, 6^3\})$	2972033482752
12	$\mathcal{O}(5; \{2^4, 3^2, 6^4\})$	1360851757056

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{3^5, 6^4\})$	10515672668160
12	$\mathcal{O}(5; \{2, 3^2, 4^2, 6^4\})$	2724364025856
12	$\mathcal{O}(5; \{2^5, 6^5\})$	618568980480
12	$\mathcal{O}(5; \{2, 3^3, 6^5\})$	5319693232128
12	$\mathcal{O}(5; \{2^2, 4^2, 6^5\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 3, 6^6\})$	2597989718016
12	$\mathcal{O}(5; \{6^8\})$	5319693232128
12	$\mathcal{O}(5; \{2^6, 3^3, 4, 12\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^6, 4, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 3^3, 4^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{3^3, 4^5, 12\})$	11888133931008
12	$\mathcal{O}(5; \{2^7, 3, 4, 6, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^4, 4, 6, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 3, 4^3, 6, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^4, 4^3, 6, 12\})$	10897456103424
12	$\mathcal{O}(5; \{2, 3, 4^5, 6, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3^2, 4, 6^2, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3^5, 4, 6^2, 12\})$	10649786646528
12	$\mathcal{O}(5; \{2, 3^2, 4^3, 6^2, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2^5, 4, 6^3, 12\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^3, 4, 6^3, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 4^3, 6^3, 12\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3, 4, 6^4, 12\})$	2724364025856
12	$\mathcal{O}(5; \{4, 6^6, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^7, 3^2, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2^3, 3^5, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^4, 3^2, 4^2, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{3^5, 4^2, 12^2\})$	20804234379264
12	$\mathcal{O}(5; \{2, 3^2, 4^4, 12^2\})$	11888133931008
12	$\mathcal{O}(5; \{2^8, 6, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^4, 3^3, 6, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{3^6, 6, 12^2\})$	21051903836160
12	$\mathcal{O}(5; \{2^5, 4^2, 6, 12^2\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^3, 4^2, 6, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2^2, 4^4, 6, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3, 6^2, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^4, 6^2, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^2, 3, 4^2, 6^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 3^2, 6^3, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 6^4, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{4^2, 6^4, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{3, 6^5, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^5, 3, 4, 12^3\})$	2972033482752

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2, 3^4, 4, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2^2, 3, 4^3, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{2^2, 3^2, 4, 6, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{2^3, 4, 6^2, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{4^3, 6^2, 12^3\})$	19813556551680
12	$\mathcal{O}(5; \{3, 4, 6^3, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2^6, 12^4\})$	2972033482752
12	$\mathcal{O}(5; \{2^2, 3^3, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2^3, 4^2, 12^4\})$	11888133931008
12	$\mathcal{O}(5; \{4^4, 12^4\})$	47552535724032
12	$\mathcal{O}(5; \{2^3, 3, 6, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{3, 4^2, 6, 12^4\})$	43589824413696
12	$\mathcal{O}(5; \{3^2, 6^2, 12^4\})$	42599146586112
12	$\mathcal{O}(5; \{2, 6^3, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{3^2, 4, 12^5\})$	83216937517056
12	$\mathcal{O}(5; \{2, 4, 6, 12^5\})$	43589824413696
12	$\mathcal{O}(5; \{2, 3, 12^6\})$	83216937517056
12	$\mathcal{O}(4; \{2^{12}, 3^4\})$	2569812480
12	$\mathcal{O}(4; \{2^8, 3^7\})$	17988687360
12	$\mathcal{O}(4; \{2^4, 3^{10}\})$	146479311360
12	$\mathcal{O}(4; \{3^{13}\})$	1169264678400
12	$\mathcal{O}(4; \{2^9, 3^4, 4^2\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^7, 4^2\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^{10}, 4^2\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3^4, 4^4\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^7, 4^4\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^4, 4^6\})$	82556485632
12	$\mathcal{O}(4; \{3^4, 4^8\})$	330225942528
12	$\mathcal{O}(4; \{2^{13}, 3^2, 6\})$	856604160
12	$\mathcal{O}(4; \{2^9, 3^5, 6\})$	9422645760
12	$\mathcal{O}(4; \{2^5, 3^8, 6\})$	72811353600
12	$\mathcal{O}(4; \{2, 3^{11}, 6\})$	585060641280
12	$\mathcal{O}(4; \{2^{10}, 3^2, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^5, 4^2, 6\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^8, 4^2, 6\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3^2, 4^4, 6\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^5, 4^4, 6\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 3^2, 4^6, 6\})$	27518828544
12	$\mathcal{O}(4; \{3^5, 4^6, 6\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^2, 4^8, 6\})$	110075314176
12	$\mathcal{O}(4; \{2^{14}, 6^2\})$	856604160
12	$\mathcal{O}(4; \{2^{10}, 3^3, 6^2\})$	4283020800
12	$\mathcal{O}(4; \{2^6, 3^6, 6^2\})$	36833978880

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^2, 3^9, 6^2\})$	292102018560
12	$\mathcal{O}(4; \{2^{11}, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^3, 4^2, 6^2\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^6, 4^2, 6^2\})$	73956851712
12	$\mathcal{O}(4; \{2^8, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4^4, 6^2\})$	34398535680
12	$\mathcal{O}(4; \{3^6, 4^4, 6^2\})$	295827406848
12	$\mathcal{O}(4; \{2^5, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^6, 6^2\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 4^8, 6^2\})$	110075314176
12	$\mathcal{O}(4; \{2^{11}, 3, 6^3\})$	2569812480
12	$\mathcal{O}(4; \{2^7, 3^4, 6^3\})$	17988687360
12	$\mathcal{O}(4; \{2^3, 3^7, 6^3\})$	146479311360
12	$\mathcal{O}(4; \{2^8, 3, 4^2, 6^3\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^4, 4^2, 6^3\})$	36118462464
12	$\mathcal{O}(4; \{3^7, 4^2, 6^3\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 3, 4^4, 6^3\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^4, 4^4, 6^3\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3, 4^6, 6^3\})$	82556485632
12	$\mathcal{O}(4; \{2^8, 3^2, 6^4\})$	9422645760
12	$\mathcal{O}(4; \{2^4, 3^5, 6^4\})$	72811353600
12	$\mathcal{O}(4; \{3^8, 6^4\})$	585060641280
12	$\mathcal{O}(4; \{2^5, 3^2, 4^2, 6^4\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^5, 4^2, 6^4\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3^2, 4^4, 6^4\})$	75676778496
12	$\mathcal{O}(4; \{2^9, 6^5\})$	4283020800
12	$\mathcal{O}(4; \{2^5, 3^3, 6^5\})$	36833978880
12	$\mathcal{O}(4; \{2, 3^6, 6^5\})$	292102018560
12	$\mathcal{O}(4; \{2^6, 4^2, 6^5\})$	8599633920
12	$\mathcal{O}(4; \{2^2, 3^3, 4^2, 6^5\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 4^4, 6^5\})$	34398535680
12	$\mathcal{O}(4; \{4^6, 6^5\})$	137594142720
12	$\mathcal{O}(4; \{2^6, 3, 6^6\})$	17988687360
12	$\mathcal{O}(4; \{2^2, 3^4, 6^6\})$	146479311360
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 6^6\})$	36118462464
12	$\mathcal{O}(4; \{3, 4^4, 6^6\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^2, 6^7\})$	72811353600
12	$\mathcal{O}(4; \{3^2, 4^2, 6^7\})$	146193776640
12	$\mathcal{O}(4; \{2^4, 6^8\})$	36833978880
12	$\mathcal{O}(4; \{3^3, 6^8\})$	292102018560
12	$\mathcal{O}(4; \{2, 4^2, 6^8\})$	73956851712
12	$\mathcal{O}(4; \{2, 3, 6^9\})$	146479311360
12	$\mathcal{O}(4; \{2^{10}, 3^3, 4, 12\})$	5159780352

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^6, 3^6, 4, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^9, 4, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 3^3, 4^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^6, 4^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 3^3, 4^5, 12\})$	82556485632
12	$\mathcal{O}(4; \{3^6, 4^5, 12\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^3, 4^7, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^{11}, 3, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^4, 4, 6, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^7, 4, 6, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 3, 4^3, 6, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^4, 4^3, 6, 12\})$	75676778496
12	$\mathcal{O}(4; \{3^7, 4^3, 6, 12\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 3, 4^5, 6, 12\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^4, 4^5, 6, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 3, 4^7, 6, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3^2, 4, 6^2, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^5, 4, 6^2, 12\})$	73956851712
12	$\mathcal{O}(4; \{3^8, 4, 6^2, 12\})$	586495033344
12	$\mathcal{O}(4; \{2^5, 3^2, 4^3, 6^2, 12\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^5, 4^3, 6^2, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3^2, 4^5, 6^2, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^9, 4, 6^3, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^3, 4, 6^3, 12\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^6, 4, 6^3, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 4^3, 6^3, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^3, 4^3, 6^3, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 4^5, 6^3, 12\})$	82556485632
12	$\mathcal{O}(4; \{4^7, 6^3, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^6, 3, 4, 6^4, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^4, 4, 6^4, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 3, 4^3, 6^4, 12\})$	75676778496
12	$\mathcal{O}(4; \{3, 4^5, 6^4, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 3^2, 4, 6^5, 12\})$	73956851712
12	$\mathcal{O}(4; \{3^2, 4^3, 6^5, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 4, 6^6, 12\})$	36118462464
12	$\mathcal{O}(4; \{3^3, 4, 6^6, 12\})$	294107480064
12	$\mathcal{O}(4; \{2, 4^3, 6^6, 12\})$	144473849856
12	$\mathcal{O}(4; \{2, 3, 4, 6^7, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^{11}, 3^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^7, 3^5, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 3^8, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^8, 3^2, 4^2, 12^2\})$	20639121408

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^4, 3^5, 4^2, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3^8, 4^2, 12^2\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 3^2, 4^4, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{2, 3^5, 4^4, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 3^2, 4^6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^{12}, 6, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^3, 6, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^4, 3^6, 6, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{3^9, 6, 12^2\})$	1174709993472
12	$\mathcal{O}(4; \{2^9, 4^2, 6, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^3, 4^2, 6, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^6, 4^2, 6, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^6, 4^4, 6, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^3, 4^4, 6, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 4^6, 6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{4^8, 6, 12^2\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3, 6^2, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^5, 3^4, 6^2, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^7, 6^2, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^6, 3, 4^2, 6^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^4, 4^2, 6^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 3, 4^4, 6^2, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{3, 4^6, 6^2, 12^2\})$	550376570880
12	$\mathcal{O}(4; \{2^6, 3^2, 6^3, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^5, 6^3, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 6^3, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3^2, 4^4, 6^3, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2^7, 6^4, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^3, 6^4, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^4, 4^2, 6^4, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{3^3, 4^2, 6^4, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2, 4^4, 6^4, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^4, 3, 6^5, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^4, 6^5, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^5, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2, 3^2, 6^6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^2, 6^7, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{2^9, 3, 4, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^5, 3^4, 4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^7, 4, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2^6, 3, 4^3, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{2^2, 3^4, 4^3, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^3, 3, 4^5, 12^3\})$	330225942528

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{3, 4^7, 12^3\})$	1320903770112
12	$\mathcal{O}(4; \{2^6, 3^2, 4, 6, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^5, 4, 6, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 3^2, 4^3, 6, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{3^2, 4^5, 6, 12^3\})$	1210828455936
12	$\mathcal{O}(4; \{2^7, 4, 6^2, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^3, 4, 6^2, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^4, 4^3, 6^2, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{3^3, 4^3, 6^2, 12^3\})$	1183309627392
12	$\mathcal{O}(4; \{2, 4^5, 6^2, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^4, 3, 4, 6^3, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^4, 4, 6^3, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2, 3, 4^3, 6^3, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^2, 4, 6^4, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 4, 6^5, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{2^{10}, 12^4\})$	20639121408
12	$\mathcal{O}(4; \{2^6, 3^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^7, 4^2, 12^4\})$	82556485632
12	$\mathcal{O}(4; \{2^3, 3^3, 4^2, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^4, 4^4, 12^4\})$	330225942528
12	$\mathcal{O}(4; \{3^3, 4^4, 12^4\})$	2311581597696
12	$\mathcal{O}(4; \{2, 4^6, 12^4\})$	1320903770112
12	$\mathcal{O}(4; \{2^7, 3, 6, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3^4, 6, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^4, 3, 4^2, 6, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{3^4, 4^2, 6, 12^4\})$	2339100426240
12	$\mathcal{O}(4; \{2, 3, 4^4, 6, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^4, 3^2, 6^2, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3^5, 6^2, 12^4\})$	2345980133376
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 6^2, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2^5, 6^3, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^3, 6^3, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^2, 4^2, 6^3, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 3, 6^4, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{6^6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^4, 3^2, 4, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{3^5, 4, 12^5\})$	4705719681024
12	$\mathcal{O}(4; \{2, 3^2, 4^3, 12^5\})$	2311581597696
12	$\mathcal{O}(4; \{2^5, 4, 6, 12^5\})$	302707113984
12	$\mathcal{O}(4; \{2, 3^3, 4, 6, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2^2, 4^3, 6, 12^5\})$	1210828455936
12	$\mathcal{O}(4; \{2^2, 3, 4, 6^2, 12^5\})$	1183309627392

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{4, 6^4, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2^5, 3, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^4, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2^2, 3, 4^2, 12^6\})$	2311581597696
12	$\mathcal{O}(4; \{2^2, 3^2, 6, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{2^3, 6^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{4^2, 6^2, 12^6\})$	4733238509568
12	$\mathcal{O}(4; \{3, 6^3, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2^3, 4, 12^7\})$	2311581597696
12	$\mathcal{O}(4; \{4^3, 12^7\})$	9246326390784
12	$\mathcal{O}(4; \{3, 4, 6, 12^7\})$	9356401704960
12	$\mathcal{O}(4; \{3^2, 12^8\})$	18822878724096
12	$\mathcal{O}(4; \{2, 6, 12^8\})$	9356401704960
12	$\mathcal{O}(3; \{2^{16}, 3^4\})$	17635968
12	$\mathcal{O}(3; \{2^{12}, 3^7\})$	123451776
12	$\mathcal{O}(3; \{2^8, 3^{10}\})$	1005250176
12	$\mathcal{O}(3; \{2^4, 3^{13}\})$	8024365440
12	$\mathcal{O}(3; \{3^{16}\})$	64212559488
12	$\mathcal{O}(3; \{2^{13}, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^7, 4^2\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^{10}, 4^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{13}, 4^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4^4\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^7, 4^4\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4^4\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3^4, 4^6\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^7, 4^6\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^4, 4^8\})$	2293235712
12	$\mathcal{O}(3; \{3^7, 4^8\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^4, 4^{10}\})$	9172942848
12	$\mathcal{O}(3; \{2^{17}, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{2^{13}, 3^5, 6\})$	64665216
12	$\mathcal{O}(3; \{2^9, 3^8, 6\})$	499685760
12	$\mathcal{O}(3; \{2^5, 3^{11}, 6\})$	4015122048
12	$\mathcal{O}(3; \{2, 3^{14}, 6\})$	32103340416
12	$\mathcal{O}(3; \{2^{14}, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^5, 4^2, 6\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^8, 4^2, 6\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^{11}, 4^2, 6\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^5, 4^4, 6\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^8, 4^4, 6\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 3^2, 4^6, 6\})$	191102976

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^5, 4^6, 6\})$	2102132736
12	$\mathcal{O}(3; \{3^8, 4^6, 6\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 3^2, 4^8, 6\})$	764411904
12	$\mathcal{O}(3; \{2, 3^5, 4^8, 6\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3^2, 4^{10}, 6\})$	3057647616
12	$\mathcal{O}(3; \{2^{18}, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^{14}, 3^3, 6^2\})$	29393280
12	$\mathcal{O}(3; \{2^{10}, 3^6, 6^2\})$	252782208
12	$\mathcal{O}(3; \{2^6, 3^9, 6^2\})$	2004621696
12	$\mathcal{O}(3; \{2^2, 3^{12}, 6^2\})$	16054609536
12	$\mathcal{O}(3; \{2^{15}, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4^2, 6^2\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^6, 4^2, 6^2\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^9, 4^2, 6^2\})$	4072882176
12	$\mathcal{O}(3; \{2^{12}, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4^4, 6^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^6, 4^4, 6^2\})$	2054356992
12	$\mathcal{O}(3; \{3^9, 4^4, 6^2\})$	16291528704
12	$\mathcal{O}(3; \{2^9, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^6, 6^2\})$	955514880
12	$\mathcal{O}(3; \{2, 3^6, 4^6, 6^2\})$	8217427968
12	$\mathcal{O}(3; \{2^6, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^8, 6^2\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{4^{12}, 6^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{15}, 3, 6^3\})$	17635968
12	$\mathcal{O}(3; \{2^{11}, 3^4, 6^3\})$	123451776
12	$\mathcal{O}(3; \{2^7, 3^7, 6^3\})$	1005250176
12	$\mathcal{O}(3; \{2^3, 3^{10}, 6^3\})$	8024365440
12	$\mathcal{O}(3; \{2^{12}, 3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^4, 4^2, 6^3\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^7, 4^2, 6^3\})$	2042413056
12	$\mathcal{O}(3; \{3^{10}, 4^2, 6^3\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 3, 4^4, 6^3\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^4, 4^4, 6^3\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^7, 4^4, 6^3\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 3, 4^6, 6^3\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^4, 4^6, 6^3\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3, 4^8, 6^3\})$	2293235712
12	$\mathcal{O}(3; \{3, 4^{10}, 6^3\})$	9172942848
12	$\mathcal{O}(3; \{2^{12}, 3^2, 6^4\})$	64665216
12	$\mathcal{O}(3; \{2^8, 3^5, 6^4\})$	499685760
12	$\mathcal{O}(3; \{2^4, 3^8, 6^4\})$	4015122048

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^{11}, 6^4\})$	32103340416
12	$\mathcal{O}(3; \{2^9, 3^2, 4^2, 6^4\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^5, 4^2, 6^4\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^8, 4^2, 6^4\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3^2, 4^4, 6^4\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^5, 4^4, 6^4\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^2, 4^6, 6^4\})$	2102132736
12	$\mathcal{O}(3; \{3^2, 4^8, 6^4\})$	8408530944
12	$\mathcal{O}(3; \{2^{13}, 6^5\})$	29393280
12	$\mathcal{O}(3; \{2^9, 3^3, 6^5\})$	252782208
12	$\mathcal{O}(3; \{2^5, 3^6, 6^5\})$	2004621696
12	$\mathcal{O}(3; \{2, 3^9, 6^5\})$	16054609536
12	$\mathcal{O}(3; \{2^{10}, 4^2, 6^5\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3^3, 4^2, 6^5\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^6, 4^2, 6^5\})$	4072882176
12	$\mathcal{O}(3; \{2^7, 4^4, 6^5\})$	238878720
12	$\mathcal{O}(3; \{2^3, 3^3, 4^4, 6^5\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 4^6, 6^5\})$	955514880
12	$\mathcal{O}(3; \{3^3, 4^6, 6^5\})$	8217427968
12	$\mathcal{O}(3; \{2, 4^8, 6^5\})$	3822059520
12	$\mathcal{O}(3; \{2^{10}, 3, 6^6\})$	123451776
12	$\mathcal{O}(3; \{2^6, 3^4, 6^6\})$	1005250176
12	$\mathcal{O}(3; \{2^2, 3^7, 6^6\})$	8024365440
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 6^6\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 6^6\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 6^6\})$	1003290624
12	$\mathcal{O}(3; \{3^4, 4^4, 6^6\})$	8169652224
12	$\mathcal{O}(3; \{2, 3, 4^6, 6^6\})$	4013162496
12	$\mathcal{O}(3; \{2^7, 3^2, 6^7\})$	499685760
12	$\mathcal{O}(3; \{2^3, 3^5, 6^7\})$	4015122048
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6^7\})$	1015234560
12	$\mathcal{O}(3; \{3^5, 4^2, 6^7\})$	8157708288
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6^7\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 6^8\})$	252782208
12	$\mathcal{O}(3; \{2^4, 3^3, 6^8\})$	2004621696
12	$\mathcal{O}(3; \{3^6, 6^8\})$	16054609536
12	$\mathcal{O}(3; \{2^5, 4^2, 6^8\})$	513589248
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^8\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 4^4, 6^8\})$	2054356992
12	$\mathcal{O}(3; \{2^5, 3, 6^9\})$	1005250176
12	$\mathcal{O}(3; \{2, 3^4, 6^9\})$	8024365440
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^9\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^2, 6^{10}\})$	4015122048

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 6^{11}\})$	2004621696
12	$\mathcal{O}(3; \{4^2, 6^{11}\})$	4072882176
12	$\mathcal{O}(3; \{3, 6^{12}\})$	8024365440
12	$\mathcal{O}(3; \{2^{14}, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{2^{10}, 3^6, 4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^9, 4, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^{12}, 4, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^6, 4^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^9, 4^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 3^3, 4^5, 12\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^6, 4^5, 12\})$	4013162496
12	$\mathcal{O}(3; \{3^9, 4^5, 12\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3^3, 4^7, 12\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^6, 4^7, 12\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^3, 4^9, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{15}, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^4, 4, 6, 12\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^7, 4, 6, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^{10}, 4, 6, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^4, 4^3, 6, 12\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^7, 4^3, 6, 12\})$	4060938240
12	$\mathcal{O}(3; \{3^{10}, 4^3, 6, 12\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 3, 4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^4, 4^5, 6, 12\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^7, 4^5, 6, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 3, 4^7, 6, 12\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^4, 4^7, 6, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 3, 4^9, 6, 12\})$	3057647616
12	$\mathcal{O}(3; \{3, 4^{11}, 6, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^5, 4, 6^2, 12\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^8, 4, 6^2, 12\})$	4072882176
12	$\mathcal{O}(3; \{3^{11}, 4, 6^2, 12\})$	32618889216
12	$\mathcal{O}(3; \{2^9, 3^2, 4^3, 6^2, 12\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^5, 4^3, 6^2, 12\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^8, 4^3, 6^2, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 3^2, 4^5, 6^2, 12\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^5, 4^5, 6^2, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^2, 4^7, 6^2, 12\})$	3822059520
12	$\mathcal{O}(3; \{3^2, 4^9, 6^2, 12\})$	15288238080
12	$\mathcal{O}(3; \{2^{13}, 4, 6^3, 12\})$	35831808

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^9, 3^3, 4, 6^3, 12\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^6, 4, 6^3, 12\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^9, 4, 6^3, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 4^3, 6^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^3, 4^3, 6^3, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^6, 4^3, 6^3, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 4^5, 6^3, 12\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^3, 4^5, 6^3, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 4^7, 6^3, 12\})$	2293235712
12	$\mathcal{O}(3; \{3^3, 4^7, 6^3, 12\})$	16052649984
12	$\mathcal{O}(3; \{2, 4^9, 6^3, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{10}, 3, 4, 6^4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^4, 4, 6^4, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^7, 4, 6^4, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 3, 4^3, 6^4, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^4, 4^3, 6^4, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 3, 4^5, 6^4, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^4, 4^5, 6^4, 12\})$	16243752960
12	$\mathcal{O}(3; \{2, 3, 4^7, 6^4, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^7, 3^2, 4, 6^5, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^5, 4, 6^5, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 3^2, 4^3, 6^5, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^5, 4^3, 6^5, 12\})$	16291528704
12	$\mathcal{O}(3; \{2, 3^2, 4^5, 6^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^8, 4, 6^6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 6^6, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^6, 4, 6^6, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^5, 4^3, 6^6, 12\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 6^6, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 4^5, 6^6, 12\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3, 4, 6^7, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^4, 4, 6^7, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6^7, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^8, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 4, 6^9, 12\})$	2042413056
12	$\mathcal{O}(3; \{4^3, 6^9, 12\})$	8169652224
12	$\mathcal{O}(3; \{3, 4, 6^{10}, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{15}, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^{11}, 3^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^7, 3^8, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^3, 3^{11}, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^8, 3^5, 4^2, 12^2\})$	1003290624

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^8, 4^2, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{3^{11}, 4^2, 12^2\})$	65213890560
12	$\mathcal{O}(3; \{2^9, 3^2, 4^4, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^5, 3^5, 4^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^8, 4^4, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 3^2, 4^6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{2^2, 3^5, 4^6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3^2, 4^8, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{3^2, 4^{10}, 12^2\})$	36691771392
12	$\mathcal{O}(3; \{2^{16}, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{12}, 3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^8, 3^6, 6, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 3^9, 6, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{3^{12}, 6, 12^2\})$	65225834496
12	$\mathcal{O}(3; \{2^{13}, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^3, 4^2, 6, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^6, 4^2, 6, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^9, 4^2, 6, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^{10}, 4^4, 6, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^3, 4^4, 6, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^6, 4^4, 6, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^7, 4^6, 6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^3, 4^6, 6, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^4, 4^8, 6, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{3^3, 4^8, 6, 12^2\})$	33634123776
12	$\mathcal{O}(3; \{2, 4^{10}, 6, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^9, 3^4, 6^2, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^5, 3^7, 6^2, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^{10}, 6^2, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{10}, 3, 4^2, 6^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^4, 4^2, 6^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^7, 4^2, 6^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 3, 4^4, 6^2, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^4, 4^4, 6^2, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3, 4^6, 6^2, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3^4, 4^6, 6^2, 12^2\})$	32869711872
12	$\mathcal{O}(3; \{2, 3, 4^8, 6^2, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^{10}, 3^2, 6^3, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^5, 6^3, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^8, 6^3, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 6^3, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 6^3, 12^2\})$	8169652224

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 6^3, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^5, 4^4, 6^3, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 6^3, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^{11}, 6^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^3, 6^4, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^6, 6^4, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^8, 4^2, 6^4, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6^4, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^6, 4^2, 6^4, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^5, 4^4, 6^4, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6^4, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 4^6, 6^4, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{2^8, 3, 6^5, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^4, 6^5, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^7, 6^5, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^5, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^5, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^5, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 3^2, 6^6, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^5, 6^6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 6^7, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^3, 6^7, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^3, 4^2, 6^7, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{4^4, 6^7, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3, 6^8, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3, 4^2, 6^8, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{3^2, 6^9, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2, 6^{10}, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{13}, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^9, 3^4, 4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^7, 4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^{10}, 4, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^{10}, 3, 4^3, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^6, 3^4, 4^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^7, 4^3, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^7, 3, 4^5, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2^3, 3^4, 4^5, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 3, 4^7, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{3^4, 4^7, 12^3\})$	64210599936
12	$\mathcal{O}(3; \{2, 3, 4^9, 12^3\})$	36691771392
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4, 6, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^5, 4, 6, 12^3\})$	4060938240

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^8, 4, 6, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 3^2, 4^3, 6, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^5, 4^3, 6, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 3^2, 4^5, 6, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{3^5, 4^5, 6, 12^3\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^2, 4^7, 6, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^{11}, 4, 6^2, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^3, 4, 6^2, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^6, 4, 6^2, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^8, 4^3, 6^2, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^3, 4^3, 6^2, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3^6, 4^3, 6^2, 12^3\})$	65166114816
12	$\mathcal{O}(3; \{2^5, 4^5, 6^2, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^3, 4^5, 6^2, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 4^7, 6^2, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{2^8, 3, 4, 6^3, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 6^3, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^7, 4, 6^3, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 6^3, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 6^3, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 6^3, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6^4, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^5, 4, 6^4, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6^4, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 4, 6^5, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^5, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 4^3, 6^5, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{4^5, 6^5, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3, 4^3, 6^6, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{3^2, 4, 6^7, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2, 4, 6^8, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^{14}, 12^4\})$	143327232
12	$\mathcal{O}(3; \{2^{10}, 3^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^6, 3^6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3^9, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^{11}, 4^2, 12^4\})$	573308928
12	$\mathcal{O}(3; \{2^7, 3^3, 4^2, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^6, 4^2, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^8, 4^4, 12^4\})$	2293235712
12	$\mathcal{O}(3; \{2^4, 3^3, 4^4, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{3^6, 4^4, 12^4\})$	130714435584
12	$\mathcal{O}(3; \{2^5, 4^6, 12^4\})$	9172942848

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^3, 4^6, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2^2, 4^8, 12^4\})$	36691771392
12	$\mathcal{O}(3; \{2^{11}, 3, 6, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^7, 3^4, 6, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^7, 6, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^8, 3, 4^2, 6, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^4, 4^2, 6, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3^7, 4^2, 6, 12^4\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 3, 4^4, 6, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^4, 4^4, 6, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 3, 4^6, 6, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^8, 3^2, 6^2, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^5, 6^2, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3^8, 6^2, 12^4\})$	130475556864
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 6^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 6^2, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 6^2, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^9, 6^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^3, 6^3, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^6, 6^3, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^6, 4^2, 6^3, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6^3, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^3, 4^4, 6^3, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{4^6, 6^3, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2^6, 3, 6^4, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^4, 6^4, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^4, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3, 4^4, 6^4, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 3^2, 6^5, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3^2, 4^2, 6^5, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^4, 6^6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{3^3, 6^6, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2, 4^2, 6^6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2, 3, 6^7, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^8, 3^2, 4, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^5, 4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{3^8, 4, 12^5\})$	260855562240
12	$\mathcal{O}(3; \{2^5, 3^2, 4^3, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^5, 4^3, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 3^2, 4^5, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^9, 4, 6, 12^5\})$	2102132736
12	$\mathcal{O}(3; \{2^5, 3^3, 4, 6, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{2, 3^6, 4, 6, 12^5\})$	130523332608

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^6, 4^3, 6, 12^5\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3^3, 4^3, 6, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 4^5, 6, 12^5\})$	33634123776
12	$\mathcal{O}(3; \{4^7, 6, 12^5\})$	134536495104
12	$\mathcal{O}(3; \{2^6, 3, 4, 6^2, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 6^2, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 6^2, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{3, 4^5, 6^2, 12^5\})$	131478847488
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6^3, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{3^2, 4^3, 6^3, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{2^4, 4, 6^4, 12^5\})$	16243752960
12	$\mathcal{O}(3; \{3^3, 4, 6^4, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2, 4^3, 6^4, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2, 3, 4, 6^5, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^9, 3, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^7, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2^6, 3, 4^2, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 3, 4^4, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{3, 4^6, 12^6\})$	256842399744
12	$\mathcal{O}(3; \{2^6, 3^2, 6, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^5, 6, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{3^2, 4^4, 6, 12^6\})$	259900047360
12	$\mathcal{O}(3; \{2^7, 6^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^3, 6^2, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^4, 4^2, 6^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{3^3, 4^2, 6^2, 12^6\})$	260664459264
12	$\mathcal{O}(3; \{2, 4^4, 6^2, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^4, 3, 6^3, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^4, 6^3, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^3, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2, 3^2, 6^4, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^2, 6^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{2^7, 4, 12^7\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^4, 4^3, 12^7\})$	64210599936
12	$\mathcal{O}(3; \{3^3, 4^3, 12^7\})$	522857742336
12	$\mathcal{O}(3; \{2, 4^5, 12^7\})$	256842399744
12	$\mathcal{O}(3; \{2^4, 3, 4, 6, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{3^4, 4, 6, 12^7\})$	522093330432
12	$\mathcal{O}(3; \{2, 3, 4^3, 6, 12^7\})$	259900047360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^2, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 4, 6^3, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{2^4, 3^2, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{3^5, 12^8\})$	1043422248960
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 12^8\})$	522857742336
12	$\mathcal{O}(3; \{2^5, 6, 12^8\})$	64975011840
12	$\mathcal{O}(3; \{2, 3^3, 6, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2^2, 4^2, 6, 12^8\})$	259900047360
12	$\mathcal{O}(3; \{2^2, 3, 6^2, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{6^4, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2^2, 3, 4, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{4, 6^2, 12^9\})$	1042657837056
12	$\mathcal{O}(3; \{2^3, 12^{10}\})$	522857742336
12	$\mathcal{O}(3; \{4^2, 12^{10}\})$	2091430969344
12	$\mathcal{O}(3; \{3, 6, 12^{10}\})$	2088373321728
12	$\mathcal{O}(2; \{2^{20}, 3^4\})$	116640
12	$\mathcal{O}(2; \{2^{16}, 3^7\})$	816480
12	$\mathcal{O}(2; \{2^{12}, 3^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^8, 3^{13}\})$	53071200
12	$\mathcal{O}(2; \{2^4, 3^{16}\})$	424686240
12	$\mathcal{O}(2; \{3^{19}\})$	3397373280
12	$\mathcal{O}(2; \{2^{17}, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^{10}, 4^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{13}, 4^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{16}, 4^2\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4^4\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4^4\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4^4\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^6\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^7, 4^6\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^6\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3^4, 4^8\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^7, 4^8\})$	111476736
12	$\mathcal{O}(2; \{3^{10}, 4^8\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^4, 4^{10}\})$	63700992
12	$\mathcal{O}(2; \{2, 3^7, 4^{10}\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^4, 4^{12}\})$	254803968
12	$\mathcal{O}(2; \{2^{21}, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2^{17}, 3^5, 6\})$	427680
12	$\mathcal{O}(2; \{2^{13}, 3^8, 6\})$	3304800
12	$\mathcal{O}(2; \{2^9, 3^{11}, 6\})$	26555040

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^{14}, 6\})$	212323680
12	$\mathcal{O}(2; \{2, 3^{17}, 6\})$	1698706080
12	$\mathcal{O}(2; \{2^{18}, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^8, 4^2, 6\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{11}, 4^2, 6\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{14}, 4^2, 6\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^4, 6\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^8, 4^4, 6\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^4, 6\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^5, 4^6, 6\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^8, 4^6, 6\})$	112803840
12	$\mathcal{O}(2; \{3^{11}, 4^6, 6\})$	906412032
12	$\mathcal{O}(2; \{2^9, 3^2, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^5, 4^8, 6\})$	58392576
12	$\mathcal{O}(2; \{2, 3^8, 4^8, 6\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3^2, 4^{10}, 6\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^5, 4^{10}, 6\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{12}, 6\})$	84934656
12	$\mathcal{O}(2; \{3^2, 4^{14}, 6\})$	339738624
12	$\mathcal{O}(2; \{2^{22}, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^{18}, 3^3, 6^2\})$	194400
12	$\mathcal{O}(2; \{2^{14}, 3^6, 6^2\})$	1671840
12	$\mathcal{O}(2; \{2^{10}, 3^9, 6^2\})$	13258080
12	$\mathcal{O}(2; \{2^6, 3^{12}, 6^2\})$	106181280
12	$\mathcal{O}(2; \{2^2, 3^{15}, 6^2\})$	849333600
12	$\mathcal{O}(2; \{2^{19}, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4^2, 6^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^9, 4^2, 6^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4^2, 6^2\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^4, 6^2\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^6, 4^4, 6^2\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^9, 4^4, 6^2\})$	113135616
12	$\mathcal{O}(2; \{3^{12}, 4^4, 6^2\})$	906080256
12	$\mathcal{O}(2; \{2^{13}, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^6, 6^2\})$	6635520
12	$\mathcal{O}(2; \{2^5, 3^6, 4^6, 6^2\})$	57065472
12	$\mathcal{O}(2; \{2, 3^9, 4^6, 6^2\})$	452542464
12	$\mathcal{O}(2; \{2^{10}, 4^8, 6^2\})$	5308416

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^3, 4^8, 6^2\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^6, 4^8, 6^2\})$	228261888
12	$\mathcal{O}(2; \{2^7, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^{10}, 6^2\})$	106168320
12	$\mathcal{O}(2; \{2^4, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^{12}, 6^2\})$	424673280
12	$\mathcal{O}(2; \{2, 4^{14}, 6^2\})$	339738624
12	$\mathcal{O}(2; \{2^{19}, 3, 6^3\})$	116640
12	$\mathcal{O}(2; \{2^{15}, 3^4, 6^3\})$	816480
12	$\mathcal{O}(2; \{2^{11}, 3^7, 6^3\})$	6648480
12	$\mathcal{O}(2; \{2^7, 3^{10}, 6^3\})$	53071200
12	$\mathcal{O}(2; \{2^3, 3^{13}, 6^3\})$	424686240
12	$\mathcal{O}(2; \{2^{16}, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^2, 6^3\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^7, 4^2, 6^3\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^2, 6^3\})$	113218560
12	$\mathcal{O}(2; \{3^{13}, 4^2, 6^3\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 3, 4^4, 6^3\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^4, 4^4, 6^3\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^7, 4^4, 6^3\})$	56733696
12	$\mathcal{O}(2; \{2, 3^{10}, 4^4, 6^3\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 3, 4^6, 6^3\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^4, 4^6, 6^3\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^7, 4^6, 6^3\})$	226934784
12	$\mathcal{O}(2; \{2^7, 3, 4^8, 6^3\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^4, 4^8, 6^3\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3, 4^{10}, 6^3\})$	63700992
12	$\mathcal{O}(2; \{3^4, 4^{10}, 6^3\})$	445906944
12	$\mathcal{O}(2; \{2, 3, 4^{12}, 6^3\})$	254803968
12	$\mathcal{O}(2; \{2^{16}, 3^2, 6^4\})$	427680
12	$\mathcal{O}(2; \{2^{12}, 3^5, 6^4\})$	3304800
12	$\mathcal{O}(2; \{2^8, 3^8, 6^4\})$	26555040
12	$\mathcal{O}(2; \{2^4, 3^{11}, 6^4\})$	212323680
12	$\mathcal{O}(2; \{3^{14}, 6^4\})$	1698706080
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^2, 6^4\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^5, 4^2, 6^4\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^8, 4^2, 6^4\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{11}, 4^2, 6^4\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^4, 6^4\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^5, 4^4, 6^4\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^8, 4^4, 6^4\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3^2, 4^6, 6^4\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^5, 4^6, 6^4\})$	112803840

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^2, 4^8, 6^4\})$	58392576
12	$\mathcal{O}(2; \{3^5, 4^8, 6^4\})$	451215360
12	$\mathcal{O}(2; \{2, 3^2, 4^{10}, 6^4\})$	233570304
12	$\mathcal{O}(2; \{2^{17}, 6^5\})$	194400
12	$\mathcal{O}(2; \{2^{13}, 3^3, 6^5\})$	1671840
12	$\mathcal{O}(2; \{2^9, 3^6, 6^5\})$	13258080
12	$\mathcal{O}(2; \{2^5, 3^9, 6^5\})$	106181280
12	$\mathcal{O}(2; \{2, 3^{12}, 6^5\})$	849333600
12	$\mathcal{O}(2; \{2^{14}, 4^2, 6^5\})$	414720
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^2, 6^5\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^6, 4^2, 6^5\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^9, 4^2, 6^5\})$	226520064
12	$\mathcal{O}(2; \{2^{11}, 4^4, 6^5\})$	1658880
12	$\mathcal{O}(2; \{2^7, 3^3, 4^4, 6^5\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^6, 4^4, 6^5\})$	113135616
12	$\mathcal{O}(2; \{2^8, 4^6, 6^5\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^3, 4^6, 6^5\})$	57065472
12	$\mathcal{O}(2; \{3^6, 4^6, 6^5\})$	452542464
12	$\mathcal{O}(2; \{2^5, 4^8, 6^5\})$	26542080
12	$\mathcal{O}(2; \{2, 3^3, 4^8, 6^5\})$	228261888
12	$\mathcal{O}(2; \{2^2, 4^{10}, 6^5\})$	106168320
12	$\mathcal{O}(2; \{2^{14}, 3, 6^6\})$	816480
12	$\mathcal{O}(2; \{2^{10}, 3^4, 6^6\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3^7, 6^6\})$	53071200
12	$\mathcal{O}(2; \{2^2, 3^{10}, 6^6\})$	424686240
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 6^6\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 6^6\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 6^6\})$	113218560
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 6^6\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 6^6\})$	56733696
12	$\mathcal{O}(2; \{3^7, 4^4, 6^6\})$	452874240
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 6^6\})$	27869184
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 6^6\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 6^6\})$	111476736
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6^7\})$	3304800
12	$\mathcal{O}(2; \{2^7, 3^5, 6^7\})$	26555040
12	$\mathcal{O}(2; \{2^3, 3^8, 6^7\})$	212323680
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6^7\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6^7\})$	56650752
12	$\mathcal{O}(2; \{3^8, 4^2, 6^7\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6^7\})$	28200960
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6^7\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6^7\})$	112803840

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{12}, 6^8\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^3, 6^8\})$	13258080
12	$\mathcal{O}(2; \{2^4, 3^6, 6^8\})$	106181280
12	$\mathcal{O}(2; \{3^9, 6^8\})$	849333600
12	$\mathcal{O}(2; \{2^9, 4^2, 6^8\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^8\})$	28283904
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^8\})$	226520064
12	$\mathcal{O}(2; \{2^6, 4^4, 6^8\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^8\})$	113135616
12	$\mathcal{O}(2; \{2^3, 4^6, 6^8\})$	57065472
12	$\mathcal{O}(2; \{4^8, 6^8\})$	228261888
12	$\mathcal{O}(2; \{2^9, 3, 6^9\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^4, 6^9\})$	53071200
12	$\mathcal{O}(2; \{2, 3^7, 6^9\})$	424686240
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^9\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^9\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^9\})$	56733696
12	$\mathcal{O}(2; \{3, 4^6, 6^9\})$	226934784
12	$\mathcal{O}(2; \{2^6, 3^2, 6^{10}\})$	26555040
12	$\mathcal{O}(2; \{2^2, 3^5, 6^{10}\})$	212323680
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^{10}\})$	56650752
12	$\mathcal{O}(2; \{3^2, 4^4, 6^{10}\})$	226603008
12	$\mathcal{O}(2; \{2^7, 6^{11}\})$	13258080
12	$\mathcal{O}(2; \{2^3, 3^3, 6^{11}\})$	106181280
12	$\mathcal{O}(2; \{2^4, 4^2, 6^{11}\})$	28283904
12	$\mathcal{O}(2; \{3^3, 4^2, 6^{11}\})$	226520064
12	$\mathcal{O}(2; \{2, 4^4, 6^{11}\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3, 6^{12}\})$	53071200
12	$\mathcal{O}(2; \{3^4, 6^{12}\})$	424686240
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^{12}\})$	113218560
12	$\mathcal{O}(2; \{2, 3^2, 6^{13}\})$	212323680
12	$\mathcal{O}(2; \{2^2, 6^{14}\})$	106181280
12	$\mathcal{O}(2; \{2^{18}, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2^{14}, 3^6, 4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^9, 4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^{12}, 4, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{15}, 4, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^9, 4^3, 12\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^5, 12\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^6, 4^5, 12\})$	27869184

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^9, 4^5, 12\})$	226934784
12	$\mathcal{O}(2; \{3^{12}, 4^5, 12\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 3^3, 4^7, 12\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^6, 4^7, 12\})$	111476736
12	$\mathcal{O}(2; \{2, 3^9, 4^7, 12\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3^3, 4^9, 12\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^6, 4^9, 12\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^3, 4^{11}, 12\})$	254803968
12	$\mathcal{O}(2; \{3^3, 4^{13}, 12\})$	1019215872
12	$\mathcal{O}(2; \{2^{19}, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^7, 4, 6, 12\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^{10}, 4, 6, 12\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{13}, 4, 6, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{16}, 3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^3, 6, 12\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^7, 4^3, 6, 12\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^3, 6, 12\})$	226603008
12	$\mathcal{O}(2; \{3^{13}, 4^3, 6, 12\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^4, 4^5, 6, 12\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^7, 4^5, 6, 12\})$	112803840
12	$\mathcal{O}(2; \{2, 3^{10}, 4^5, 6, 12\})$	906412032
12	$\mathcal{O}(2; \{2^{10}, 3, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^4, 4^7, 6, 12\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^7, 4^7, 6, 12\})$	451215360
12	$\mathcal{O}(2; \{2^7, 3, 4^9, 6, 12\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^4, 4^9, 6, 12\})$	233570304
12	$\mathcal{O}(2; \{2^4, 3, 4^{11}, 6, 12\})$	84934656
12	$\mathcal{O}(2; \{3^4, 4^{11}, 6, 12\})$	934281216
12	$\mathcal{O}(2; \{2, 3, 4^{13}, 6, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4, 6^2, 12\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^8, 4, 6^2, 12\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4, 6^2, 12\})$	226520064
12	$\mathcal{O}(2; \{3^{14}, 4, 6^2, 12\})$	1811911680
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^3, 6^2, 12\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^5, 4^3, 6^2, 12\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^8, 4^3, 6^2, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{11}, 4^3, 6^2, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^5, 6^2, 12\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^5, 4^5, 6^2, 12\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^8, 4^5, 6^2, 12\})$	452542464

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^2, 4^7, 6^2, 12\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^5, 4^7, 6^2, 12\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^2, 4^9, 6^2, 12\})$	106168320
12	$\mathcal{O}(2; \{3^5, 4^9, 6^2, 12\})$	913047552
12	$\mathcal{O}(2; \{2, 3^2, 4^{11}, 6^2, 12\})$	424673280
12	$\mathcal{O}(2; \{2^{17}, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4, 6^3, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^6, 4, 6^3, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^9, 4, 6^3, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{12}, 4, 6^3, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 4^3, 6^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^3, 6^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^6, 4^3, 6^3, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^9, 4^3, 6^3, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 4^5, 6^3, 12\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^3, 4^5, 6^3, 12\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^6, 4^5, 6^3, 12\})$	226934784
12	$\mathcal{O}(2; \{2^8, 4^7, 6^3, 12\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^3, 4^7, 6^3, 12\})$	111476736
12	$\mathcal{O}(2; \{3^6, 4^7, 6^3, 12\})$	907739136
12	$\mathcal{O}(2; \{2^5, 4^9, 6^3, 12\})$	63700992
12	$\mathcal{O}(2; \{2, 3^3, 4^9, 6^3, 12\})$	445906944
12	$\mathcal{O}(2; \{2^2, 4^{11}, 6^3, 12\})$	254803968
12	$\mathcal{O}(2; \{2^{14}, 3, 4, 6^4, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4, 6^4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^7, 4, 6^4, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4, 6^4, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 3, 4^3, 6^4, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^4, 4^3, 6^4, 12\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^7, 4^3, 6^4, 12\})$	226603008
12	$\mathcal{O}(2; \{2^8, 3, 4^5, 6^4, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^4, 4^5, 6^4, 12\})$	112803840
12	$\mathcal{O}(2; \{3^7, 4^5, 6^4, 12\})$	906412032
12	$\mathcal{O}(2; \{2^5, 3, 4^7, 6^4, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^4, 4^7, 6^4, 12\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3, 4^9, 6^4, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4, 6^5, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^5, 4, 6^5, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^8, 4, 6^5, 12\})$	226520064
12	$\mathcal{O}(2; \{2^8, 3^2, 4^3, 6^5, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^5, 4^3, 6^5, 12\})$	113135616
12	$\mathcal{O}(2; \{3^8, 4^3, 6^5, 12\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3^2, 4^5, 6^5, 12\})$	57065472

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^5, 4^5, 6^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^2, 4^7, 6^5, 12\})$	228261888
12	$\mathcal{O}(2; \{2^{12}, 4, 6^6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 6^6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 6^6, 12\})$	113218560
12	$\mathcal{O}(2; \{3^9, 4, 6^6, 12\})$	905997312
12	$\mathcal{O}(2; \{2^9, 4^3, 6^6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 6^6, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 6^6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^6, 4^5, 6^6, 12\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 6^6, 12\})$	226934784
12	$\mathcal{O}(2; \{2^3, 4^7, 6^6, 12\})$	111476736
12	$\mathcal{O}(2; \{4^9, 6^6, 12\})$	445906944
12	$\mathcal{O}(2; \{2^9, 3, 4, 6^7, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6^7, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^7, 4, 6^7, 12\})$	452957184
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6^7, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6^7, 12\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6^7, 12\})$	112803840
12	$\mathcal{O}(2; \{3, 4^7, 6^7, 12\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^8, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^8, 12\})$	226520064
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^8, 12\})$	113135616
12	$\mathcal{O}(2; \{3^2, 4^5, 6^8, 12\})$	452542464
12	$\mathcal{O}(2; \{2^7, 4, 6^9, 12\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^9, 12\})$	113218560
12	$\mathcal{O}(2; \{2^4, 4^3, 6^9, 12\})$	56733696
12	$\mathcal{O}(2; \{3^3, 4^3, 6^9, 12\})$	452874240
12	$\mathcal{O}(2; \{2, 4^5, 6^9, 12\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^{10}, 12\})$	56650752
12	$\mathcal{O}(2; \{3^4, 4, 6^{10}, 12\})$	452957184
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^{10}, 12\})$	226603008
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^{11}, 12\})$	226520064
12	$\mathcal{O}(2; \{2^2, 4, 6^{12}, 12\})$	113218560
12	$\mathcal{O}(2; \{2^{19}, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{15}, 3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{11}, 3^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^7, 3^{11}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3^{14}, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^8, 4^2, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4^2, 12^2\})$	452874240

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^{14}, 4^2, 12^2\})$	3623989248
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^4, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3^5, 4^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^8, 4^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2, 3^{11}, 4^4, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^5, 4^6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^8, 4^6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^7, 3^2, 4^8, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2^3, 3^5, 4^8, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^4, 3^2, 4^{10}, 12^2\})$	254803968
12	$\mathcal{O}(2; \{3^5, 4^{10}, 12^2\})$	1783627776
12	$\mathcal{O}(2; \{2, 3^2, 4^{12}, 12^2\})$	1019215872
12	$\mathcal{O}(2; \{2^{20}, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{12}, 3^6, 6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^8, 3^9, 6, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3^{12}, 6, 12^2\})$	452957184
12	$\mathcal{O}(2; \{3^{15}, 6, 12^2\})$	3623906304
12	$\mathcal{O}(2; \{2^{17}, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4^2, 6, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^6, 4^2, 6, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^9, 4^2, 6, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{12}, 4^2, 6, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^{14}, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^4, 6, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^6, 4^4, 6, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^9, 4^4, 6, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^{11}, 4^6, 6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^3, 4^6, 6, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^6, 4^6, 6, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^8, 4^8, 6, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^3, 4^8, 6, 12^2\})$	233570304
12	$\mathcal{O}(2; \{3^6, 4^8, 6, 12^2\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 4^{10}, 6, 12^2\})$	84934656
12	$\mathcal{O}(2; \{2, 3^3, 4^{10}, 6, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^2, 4^{12}, 6, 12^2\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{13}, 3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^9, 3^7, 6^2, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^5, 3^{10}, 6^2, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 3^{13}, 6^2, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{14}, 3, 4^2, 6^2, 12^2\})$	1658880

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^2, 6^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^7, 4^2, 6^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^2, 6^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 3, 4^4, 6^2, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^4, 4^4, 6^2, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^7, 4^4, 6^2, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^8, 3, 4^6, 6^2, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^4, 4^6, 6^2, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3^7, 4^6, 6^2, 12^2\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 3, 4^8, 6^2, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2, 3^4, 4^8, 6^2, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3, 4^{10}, 6^2, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{14}, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^5, 6^3, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^8, 6^3, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{11}, 6^3, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 6^3, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 6^3, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 6^3, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 6^3, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 6^3, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^8, 4^4, 6^3, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 6^3, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 6^3, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 6^3, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{15}, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^3, 6^4, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^6, 6^4, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^9, 6^4, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6^4, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6^4, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6^4, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^9, 4^2, 6^4, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^9, 4^4, 6^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6^4, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6^4, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^6, 4^6, 6^4, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6^4, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^3, 4^8, 6^4, 12^2\})$	233570304
12	$\mathcal{O}(2; \{4^{10}, 6^4, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^{12}, 3, 6^5, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^4, 6^5, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^7, 6^5, 12^2\})$	226520064

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^{10}, 6^5, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^5, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^5, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^5, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^5, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^5, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^5, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3, 4^8, 6^5, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^9, 3^2, 6^6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^5, 6^6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^8, 6^6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^2, 4^6, 6^6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^{10}, 6^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^3, 6^7, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^6, 6^7, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^7, 4^2, 6^7, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^7, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^4, 4^4, 6^7, 12^2\})$	112803840
12	$\mathcal{O}(2; \{3^3, 4^4, 6^7, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2, 4^6, 6^7, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^7, 3, 6^8, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^4, 6^8, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^8, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^4, 4^2, 6^8, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^8, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3^2, 6^9, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^5, 6^9, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^9, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^5, 6^{10}, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2, 3^3, 6^{10}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^2, 4^2, 6^{10}, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3, 6^{11}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{6^{13}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^{17}, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{13}, 3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^7, 4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^{10}, 4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2, 3^{13}, 4, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^{14}, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^3, 12^3\})$	27869184

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^7, 4^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^3, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^{11}, 3, 4^5, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^7, 3^4, 4^5, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^7, 4^5, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^8, 3, 4^7, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^4, 3^4, 4^7, 12^3\})$	445906944
12	$\mathcal{O}(2; \{3^7, 4^7, 12^3\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 3, 4^9, 12^3\})$	254803968
12	$\mathcal{O}(2; \{2, 3^4, 4^9, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2^2, 3, 4^{11}, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4, 6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^8, 4, 6, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4, 6, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^3, 6, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^5, 4^3, 6, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^8, 4^3, 6, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^8, 3^2, 4^5, 6, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^5, 4^5, 6, 12^3\})$	451215360
12	$\mathcal{O}(2; \{3^8, 4^5, 6, 12^3\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 3^2, 4^7, 6, 12^3\})$	233570304
12	$\mathcal{O}(2; \{2, 3^5, 4^7, 6, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3^2, 4^9, 6, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{15}, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4, 6^2, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^6, 4, 6^2, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^9, 4, 6^2, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{12}, 4^3, 6^2, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^3, 4^3, 6^2, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^6, 4^3, 6^2, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^9, 4^3, 6^2, 12^3\})$	3624321024
12	$\mathcal{O}(2; \{2^9, 4^5, 6^2, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^3, 4^5, 6^2, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2, 3^6, 4^5, 6^2, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^6, 4^7, 6^2, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^3, 4^7, 6^2, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^3, 4^9, 6^2, 12^3\})$	424673280
12	$\mathcal{O}(2; \{4^{11}, 6^2, 12^3\})$	1698693120
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 6^3, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 6^3, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 6^3, 12^3\})$	452874240
12	$\mathcal{O}(2; \{3^{10}, 4, 6^3, 12^3\})$	3623989248

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 6^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 6^3, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 6^3, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 6^3, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 6^3, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 6^3, 12^3\})$	445906944
12	$\mathcal{O}(2; \{3, 4^9, 6^3, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6^4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6^4, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^8, 4, 6^4, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6^4, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6^4, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6^4, 12^3\})$	451215360
12	$\mathcal{O}(2; \{3^2, 4^7, 6^4, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^{10}, 4, 6^5, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^5, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^5, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^7, 4^3, 6^5, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^5, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^4, 4^5, 6^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{3^3, 4^5, 6^5, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2, 4^7, 6^5, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^4, 4^3, 6^6, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^7, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^5, 4, 6^7, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^7, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^5, 4, 6^8, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^8, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^2, 4^3, 6^8, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^9, 12^3\})$	452874240
12	$\mathcal{O}(2; \{4, 6^{11}, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^{18}, 12^4\})$	995328
12	$\mathcal{O}(2; \{2^{14}, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^{10}, 3^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^6, 3^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3^{12}, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{15}, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^6, 4^2, 12^4\})$	226934784

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^9, 4^2, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^{12}, 4^4, 12^4\})$	15925248
12	$\mathcal{O}(2; \{2^8, 3^3, 4^4, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^6, 4^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{3^9, 4^4, 12^4\})$	7245987840
12	$\mathcal{O}(2; \{2^9, 4^6, 12^4\})$	63700992
12	$\mathcal{O}(2; \{2^5, 3^3, 4^6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2, 3^6, 4^6, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2^6, 4^8, 12^4\})$	254803968
12	$\mathcal{O}(2; \{2^2, 3^3, 4^8, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^3, 4^{10}, 12^4\})$	1019215872
12	$\mathcal{O}(2; \{4^{12}, 12^4\})$	4076863488
12	$\mathcal{O}(2; \{2^{15}, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{11}, 3^4, 6, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^7, 3^7, 6, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^3, 3^{10}, 6, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{12}, 3, 4^2, 6, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^4, 4^2, 6, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^7, 4^2, 6, 12^4\})$	906412032
12	$\mathcal{O}(2; \{3^{10}, 4^2, 6, 12^4\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 3, 4^4, 6, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^4, 4^4, 6, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2, 3^7, 4^4, 6, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 3, 4^6, 6, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^4, 4^6, 6, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 3, 4^8, 6, 12^4\})$	934281216
12	$\mathcal{O}(2; \{3, 4^{10}, 6, 12^4\})$	3737124864
12	$\mathcal{O}(2; \{2^{12}, 3^2, 6^2, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^8, 3^5, 6^2, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^8, 6^2, 12^4\})$	906080256
12	$\mathcal{O}(2; \{3^{11}, 6^2, 12^4\})$	7247646720
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 6^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 6^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 6^2, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 6^2, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 6^2, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 6^2, 12^4\})$	913047552
12	$\mathcal{O}(2; \{3^2, 4^8, 6^2, 12^4\})$	3652190208
12	$\mathcal{O}(2; \{2^{13}, 6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^3, 6^3, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^6, 6^3, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2, 3^9, 6^3, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6^3, 12^4\})$	27869184

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6^3, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6^3, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^7, 4^4, 6^3, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6^3, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^4, 4^6, 6^3, 12^4\})$	445906944
12	$\mathcal{O}(2; \{3^3, 4^6, 6^3, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2, 4^8, 6^3, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^{10}, 3, 6^4, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^4, 6^4, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^7, 6^4, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^4, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^4, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^4, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^4, 4^4, 6^4, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^4, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^7, 3^2, 6^5, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^5, 6^5, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^5, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^5, 4^2, 6^5, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^5, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^8, 6^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^3, 6^6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^6, 6^6, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^5, 4^2, 6^6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^2, 4^4, 6^6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3, 6^7, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^4, 6^7, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^7, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^2, 6^8, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^3, 6^9, 12^4\})$	452874240
12	$\mathcal{O}(2; \{4^2, 6^9, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{3, 6^{10}, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^8, 3^5, 4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^8, 4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{3^{11}, 4, 12^5\})$	14495956992
12	$\mathcal{O}(2; \{2^9, 3^2, 4^3, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^5, 3^5, 4^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2, 3^8, 4^3, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 3^2, 4^5, 12^5\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^5, 4^5, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3^2, 4^7, 12^5\})$	1783627776

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 4^9, 12^5\})$	7134511104
12	$\mathcal{O}(2; \{2^{13}, 4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^9, 3^3, 4, 6, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^6, 4, 6, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2, 3^9, 4, 6, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^{10}, 4^3, 6, 12^5\})$	58392576
12	$\mathcal{O}(2; \{2^6, 3^3, 4^3, 6, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^6, 4^3, 6, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^7, 4^5, 6, 12^5\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3^3, 4^5, 6, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^4, 4^7, 6, 12^5\})$	934281216
12	$\mathcal{O}(2; \{3^3, 4^7, 6, 12^5\})$	7219445760
12	$\mathcal{O}(2; \{2, 4^9, 6, 12^5\})$	3737124864
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 6^2, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 6^2, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 6^2, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 6^2, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 6^2, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 6^2, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3^4, 4^5, 6^2, 12^5\})$	7240679424
12	$\mathcal{O}(2; \{2, 3, 4^7, 6^2, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6^3, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6^3, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6^3, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^5, 4^3, 6^3, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6^3, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^8, 4, 6^4, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^4, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^6, 4, 6^4, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^5, 4^3, 6^4, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^4, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 4^5, 6^4, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^5, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^5, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^5, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 4, 6^7, 12^5\})$	906412032
12	$\mathcal{O}(2; \{4^3, 6^7, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{3, 4, 6^8, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^{13}, 3, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^9, 3^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2, 3^{10}, 12^6\})$	14495956992

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{10}, 3, 4^2, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^7, 3, 4^4, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 3, 4^6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{3^4, 4^6, 12^6\})$	14523826176
12	$\mathcal{O}(2; \{2, 3, 4^8, 12^6\})$	7134511104
12	$\mathcal{O}(2; \{2^{10}, 3^2, 6, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2^6, 3^5, 6, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^8, 6, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{3^5, 4^4, 6, 12^6\})$	14502592512
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^{11}, 6^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^7, 3^3, 6^2, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^6, 6^2, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^8, 4^2, 6^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3^6, 4^2, 6^2, 12^6\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 4^4, 6^2, 12^6\})$	913047552
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6^2, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 4^6, 6^2, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{2^8, 3, 6^3, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^4, 6^3, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3^7, 6^3, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^3, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^3, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^3, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 3^2, 6^4, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^5, 6^4, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^4, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 6^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^3, 6^5, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^3, 4^2, 6^5, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{4^4, 6^5, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 3, 6^6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3, 4^2, 6^6, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{3^2, 6^7, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2, 6^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^{11}, 4, 12^7\})$	111476736

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^3, 4, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^6, 4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^8, 4^3, 12^7\})$	445906944
12	$\mathcal{O}(2; \{2^4, 3^3, 4^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{3^6, 4^3, 12^7\})$	28983951360
12	$\mathcal{O}(2; \{2^5, 4^5, 12^7\})$	1783627776
12	$\mathcal{O}(2; \{2, 3^3, 4^5, 12^7\})$	14523826176
12	$\mathcal{O}(2; \{2^2, 4^7, 12^7\})$	7134511104
12	$\mathcal{O}(2; \{2^8, 3, 4, 6, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 6, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{3^7, 4, 6, 12^7\})$	28989259776
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 6, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 6, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 6, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6^2, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^5, 4, 6^2, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6^2, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^6, 4, 6^3, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^3, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 4^3, 6^3, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{4^5, 6^3, 12^7\})$	14523826176
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^4, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{3, 4^3, 6^4, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{3^2, 4, 6^5, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2, 4, 6^6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^8, 3^2, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^5, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{3^8, 12^8\})$	57983827968
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^9, 6, 12^8\})$	451215360
12	$\mathcal{O}(2; \{2^5, 3^3, 6, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^6, 6, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2^6, 4^2, 6, 12^8\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^3, 4^4, 6, 12^8\})$	7219445760
12	$\mathcal{O}(2; \{4^6, 6, 12^8\})$	28877783040
12	$\mathcal{O}(2; \{2^6, 3, 6^2, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^4, 6^2, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{3, 4^4, 6^2, 12^8\})$	28962717696
12	$\mathcal{O}(2; \{2^3, 3^2, 6^3, 12^8\})$	7245987840

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 4^2, 6^3, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2^4, 6^4, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{3^3, 6^4, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2, 4^2, 6^4, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2, 3, 6^5, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^6, 3, 4, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{3, 4^5, 12^9\})$	58095304704
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{3^2, 4^3, 6, 12^9\})$	58010370048
12	$\mathcal{O}(2; \{2^4, 4, 6^2, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{3^3, 4, 6^2, 12^9\})$	57989136384
12	$\mathcal{O}(2; \{2, 4^3, 6^2, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{2, 3, 4, 6^3, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^7, 12^{10}\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2^4, 4^2, 12^{10}\})$	14523826176
12	$\mathcal{O}(2; \{3^3, 4^2, 12^{10}\})$	115935805440
12	$\mathcal{O}(2; \{2, 4^4, 12^{10}\})$	58095304704
12	$\mathcal{O}(2; \{2^4, 3, 6, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{3^4, 6, 12^{10}\})$	115957039104
12	$\mathcal{O}(2; \{2, 3, 4^2, 6, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{2, 3^2, 6^2, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^2, 6^3, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{2, 3^2, 4, 12^{11}\})$	115935805440
12	$\mathcal{O}(2; \{2^2, 4, 6, 12^{11}\})$	58010370048
12	$\mathcal{O}(2; \{2^2, 3, 12^{12}\})$	115935805440
12	$\mathcal{O}(2; \{6^2, 12^{12}\})$	231956545536
12	$\mathcal{O}(2; \{4, 12^{13}\})$	463743221760
12	$\mathcal{O}(1; \{2^{24}, 3^4\})$	648
12	$\mathcal{O}(1; \{2^{20}, 3^7\})$	4536
12	$\mathcal{O}(1; \{2^{16}, 3^{10}\})$	36936
12	$\mathcal{O}(1; \{2^{12}, 3^{13}\})$	294840
12	$\mathcal{O}(1; \{2^8, 3^{16}\})$	2359368
12	$\mathcal{O}(1; \{2^4, 3^{19}\})$	18874296
12	$\mathcal{O}(1; \{3^{22}\})$	150995016
12	$\mathcal{O}(1; \{2^{21}, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{13}, 4^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{16}, 4^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{19}, 4^2\})$	50331456

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4^4\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4^4\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4^4\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^6\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^6\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^7, 4^8\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^8\})$	6303744
12	$\mathcal{O}(1; \{3^{13}, 4^8\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3^4, 4^{10}\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^7, 4^{10}\})$	3096576
12	$\mathcal{O}(1; \{2, 3^{10}, 4^{10}\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^4, 4^{12}\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^7, 4^{12}\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{14}\})$	7077888
12	$\mathcal{O}(1; \{3^4, 4^{16}\})$	28311552
12	$\mathcal{O}(1; \{2^{25}, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^{21}, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2^{17}, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6\})$	147528
12	$\mathcal{O}(1; \{2^9, 3^{14}, 6\})$	1179576
12	$\mathcal{O}(1; \{2^5, 3^{17}, 6\})$	9437256
12	$\mathcal{O}(1; \{2, 3^{20}, 6\})$	75497400
12	$\mathcal{O}(1; \{2^{22}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 4^2, 6\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{14}, 4^2, 6\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{17}, 4^2, 6\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^4, 6\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^4, 6\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^4, 6\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^8, 4^6, 6\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^6, 6\})$	6294528
12	$\mathcal{O}(1; \{3^{14}, 4^6, 6\})$	50328576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^5, 4^8, 6\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^8, 4^8, 6\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{11}, 4^8, 6\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^5, 4^{10}, 6\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^8, 4^{10}, 6\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{12}, 6\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{12}, 6\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{14}, 6\})$	2359296
12	$\mathcal{O}(1; \{3^5, 4^{14}, 6\})$	25952256
12	$\mathcal{O}(1; \{2, 3^2, 4^{16}, 6\})$	9437184
12	$\mathcal{O}(1; \{2^{26}, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{22}, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^{18}, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{2^{14}, 3^9, 6^2\})$	73656
12	$\mathcal{O}(1; \{2^{10}, 3^{12}, 6^2\})$	589896
12	$\mathcal{O}(1; \{2^6, 3^{15}, 6^2\})$	4718520
12	$\mathcal{O}(1; \{2^2, 3^{18}, 6^2\})$	37748808
12	$\mathcal{O}(1; \{2^{23}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4^2, 6^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4^2, 6^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4^2, 6^2\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^9, 4^4, 6^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^4, 6^2\})$	6292224
12	$\mathcal{O}(1; \{3^{15}, 4^4, 6^2\})$	50330880
12	$\mathcal{O}(1; \{2^{17}, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^6, 4^6, 6^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^9, 4^6, 6^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{12}, 4^6, 6^2\})$	25168896
12	$\mathcal{O}(1; \{2^{14}, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^8, 6^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^6, 4^8, 6^2\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^9, 4^8, 6^2\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^3, 4^{10}, 6^2\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^6, 4^{10}, 6^2\})$	6340608

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{12}, 6^2\})$	2949120
12	$\mathcal{O}(1; \{3^6, 4^{12}, 6^2\})$	25362432
12	$\mathcal{O}(1; \{2^5, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{14}, 6^2\})$	11796480
12	$\mathcal{O}(1; \{2^2, 4^{16}, 6^2\})$	9437184
12	$\mathcal{O}(1; \{2^{23}, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{2^{19}, 3^4, 6^3\})$	4536
12	$\mathcal{O}(1; \{2^{15}, 3^7, 6^3\})$	36936
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6^3\})$	294840
12	$\mathcal{O}(1; \{2^7, 3^{13}, 6^3\})$	2359368
12	$\mathcal{O}(1; \{2^3, 3^{16}, 6^3\})$	18874296
12	$\mathcal{O}(1; \{2^{20}, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^2, 6^3\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^2, 6^3\})$	6291648
12	$\mathcal{O}(1; \{3^{16}, 4^2, 6^3\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^7, 4^4, 6^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^4, 6^3\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{13}, 4^4, 6^3\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^6, 6^3\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^7, 4^6, 6^3\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^6, 6^3\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 3, 4^8, 6^3\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^4, 4^8, 6^3\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^7, 4^8, 6^3\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3, 4^{10}, 6^3\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{10}, 6^3\})$	3096576
12	$\mathcal{O}(1; \{3^7, 4^{10}, 6^3\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3, 4^{12}, 6^3\})$	1769472
12	$\mathcal{O}(1; \{2, 3^4, 4^{12}, 6^3\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3, 4^{14}, 6^3\})$	7077888
12	$\mathcal{O}(1; \{2^{20}, 3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{2^{16}, 3^5, 6^4\})$	18360
12	$\mathcal{O}(1; \{2^{12}, 3^8, 6^4\})$	147528
12	$\mathcal{O}(1; \{2^8, 3^{11}, 6^4\})$	1179576
12	$\mathcal{O}(1; \{2^4, 3^{14}, 6^4\})$	9437256
12	$\mathcal{O}(1; \{3^{17}, 6^4\})$	75497400
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^2, 6^4\})$	6336

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^8, 4^2, 6^4\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^2, 6^4\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{14}, 4^2, 6^4\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^4, 6^4\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^8, 4^4, 6^4\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^4, 6^4\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^6, 6^4\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^5, 4^6, 6^4\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^8, 4^6, 6^4\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3^2, 4^8, 6^4\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^5, 4^8, 6^4\})$	3133440
12	$\mathcal{O}(1; \{3^8, 4^8, 6^4\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{10}, 6^4\})$	1622016
12	$\mathcal{O}(1; \{2, 3^5, 4^{10}, 6^4\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{12}, 6^4\})$	6488064
12	$\mathcal{O}(1; \{2^{21}, 6^5\})$	1080
12	$\mathcal{O}(1; \{2^{17}, 3^3, 6^5\})$	9288
12	$\mathcal{O}(1; \{2^{13}, 3^6, 6^5\})$	73656
12	$\mathcal{O}(1; \{2^9, 3^9, 6^5\})$	589896
12	$\mathcal{O}(1; \{2^5, 3^{12}, 6^5\})$	4718520
12	$\mathcal{O}(1; \{2, 3^{15}, 6^5\})$	37748808
12	$\mathcal{O}(1; \{2^{18}, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^2, 6^5\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^9, 4^2, 6^5\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^2, 6^5\})$	12582720
12	$\mathcal{O}(1; \{2^{15}, 4^4, 6^5\})$	11520
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^4, 6^5\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^6, 4^4, 6^5\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^9, 4^4, 6^5\})$	6292224
12	$\mathcal{O}(1; \{2^{12}, 4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^8, 3^3, 4^6, 6^5\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^6, 4^6, 6^5\})$	3142656
12	$\mathcal{O}(1; \{3^9, 4^6, 6^5\})$	25168896
12	$\mathcal{O}(1; \{2^9, 4^8, 6^5\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^3, 4^8, 6^5\})$	1585152
12	$\mathcal{O}(1; \{2, 3^6, 4^8, 6^5\})$	12570624
12	$\mathcal{O}(1; \{2^6, 4^{10}, 6^5\})$	737280
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{10}, 6^5\})$	6340608
12	$\mathcal{O}(1; \{2^3, 4^{12}, 6^5\})$	2949120
12	$\mathcal{O}(1; \{4^{14}, 6^5\})$	11796480

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{18}, 3, 6^6\})$	4536
12	$\mathcal{O}(1; \{2^{14}, 3^4, 6^6\})$	36936
12	$\mathcal{O}(1; \{2^{10}, 3^7, 6^6\})$	294840
12	$\mathcal{O}(1; \{2^6, 3^{10}, 6^6\})$	2359368
12	$\mathcal{O}(1; \{2^2, 3^{13}, 6^6\})$	18874296
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 6^6\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 6^6\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 6^6\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 6^6\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 6^6\})$	3144960
12	$\mathcal{O}(1; \{3^{10}, 4^4, 6^6\})$	25166592
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 6^6\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 6^6\})$	1575936
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 6^6\})$	12579840
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 6^6\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 6^6\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 6^6\})$	3096576
12	$\mathcal{O}(1; \{3, 4^{12}, 6^6\})$	12386304
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6^7\})$	18360
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6^7\})$	147528
12	$\mathcal{O}(1; \{2^7, 3^8, 6^7\})$	1179576
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6^7\})$	9437256
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6^7\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6^7\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6^7\})$	3145536
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6^7\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6^7\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6^7\})$	1573632
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6^7\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6^7\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6^7\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6^7\})$	3133440
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6^7\})$	12533760
12	$\mathcal{O}(1; \{2^{16}, 6^8\})$	9288
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^8\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^6, 6^8\})$	589896
12	$\mathcal{O}(1; \{2^4, 3^9, 6^8\})$	4718520
12	$\mathcal{O}(1; \{3^{12}, 6^8\})$	37748808
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^8\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^8\})$	1573056

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^8\})$	12582720
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^8\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^8\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^8\})$	6292224
12	$\mathcal{O}(1; \{2^7, 4^6, 6^8\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^8\})$	3142656
12	$\mathcal{O}(1; \{2^4, 4^8, 6^8\})$	1585152
12	$\mathcal{O}(1; \{3^3, 4^8, 6^8\})$	12570624
12	$\mathcal{O}(1; \{2, 4^{10}, 6^8\})$	6340608
12	$\mathcal{O}(1; \{2^{13}, 3, 6^9\})$	36936
12	$\mathcal{O}(1; \{2^9, 3^4, 6^9\})$	294840
12	$\mathcal{O}(1; \{2^5, 3^7, 6^9\})$	2359368
12	$\mathcal{O}(1; \{2, 3^{10}, 6^9\})$	18874296
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^9\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^9\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^9\})$	6291648
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^9\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^9\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^9\})$	1575936
12	$\mathcal{O}(1; \{3^4, 4^6, 6^9\})$	12579840
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^9\})$	6303744
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{10}\})$	147528
12	$\mathcal{O}(1; \{2^6, 3^5, 6^{10}\})$	1179576
12	$\mathcal{O}(1; \{2^2, 3^8, 6^{10}\})$	9437256
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^{10}\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^{10}\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^{10}\})$	1573632
12	$\mathcal{O}(1; \{3^5, 4^4, 6^{10}\})$	12582144
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^{10}\})$	6294528
12	$\mathcal{O}(1; \{2^{11}, 6^{11}\})$	73656
12	$\mathcal{O}(1; \{2^7, 3^3, 6^{11}\})$	589896
12	$\mathcal{O}(1; \{2^3, 3^6, 6^{11}\})$	4718520
12	$\mathcal{O}(1; \{2^8, 4^2, 6^{11}\})$	196416
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^{11}\})$	1573056
12	$\mathcal{O}(1; \{3^6, 4^2, 6^{11}\})$	12582720
12	$\mathcal{O}(1; \{2^5, 4^4, 6^{11}\})$	785664
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^{11}\})$	6292224
12	$\mathcal{O}(1; \{2^2, 4^6, 6^{11}\})$	3142656
12	$\mathcal{O}(1; \{2^8, 3, 6^{12}\})$	294840
12	$\mathcal{O}(1; \{2^4, 3^4, 6^{12}\})$	2359368
12	$\mathcal{O}(1; \{3^7, 6^{12}\})$	18874296
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^{12}\})$	786240
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^{12}\})$	6291648

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^{12}\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^2, 6^{13}\})$	1179576
12	$\mathcal{O}(1; \{2, 3^5, 6^{13}\})$	9437256
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^{13}\})$	3145536
12	$\mathcal{O}(1; \{2^6, 6^{14}\})$	589896
12	$\mathcal{O}(1; \{2^2, 3^3, 6^{14}\})$	4718520
12	$\mathcal{O}(1; \{2^3, 4^2, 6^{14}\})$	1573056
12	$\mathcal{O}(1; \{4^4, 6^{14}\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3, 6^{15}\})$	2359368
12	$\mathcal{O}(1; \{3, 4^2, 6^{15}\})$	6291648
12	$\mathcal{O}(1; \{3^2, 6^{16}\})$	9437256
12	$\mathcal{O}(1; \{2, 6^{17}\})$	4718520
12	$\mathcal{O}(1; \{2^{22}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^{18}, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^{12}, 4, 12\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{15}, 4, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{18}, 4, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4^3, 12\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^9, 4^5, 12\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^5, 12\})$	12579840
12	$\mathcal{O}(1; \{3^{15}, 4^5, 12\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^6, 4^7, 12\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^9, 4^7, 12\})$	6303744
12	$\mathcal{O}(1; \{2, 3^{12}, 4^7, 12\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^9, 12\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^6, 4^9, 12\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^9, 4^9, 12\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^3, 4^{11}, 12\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^6, 4^{11}, 12\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{13}, 12\})$	7077888
12	$\mathcal{O}(1; \{3^6, 4^{13}, 12\})$	49545216
12	$\mathcal{O}(1; \{2, 3^3, 4^{15}, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{23}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{19}, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^7, 4, 6, 12\})$	48960

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 4, 6, 12\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{13}, 4, 6, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{16}, 4, 6, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{20}, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^3, 6, 12\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^3, 6, 12\})$	12582144
12	$\mathcal{O}(1; \{3^{16}, 4^3, 6, 12\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^7, 4^5, 6, 12\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^5, 6, 12\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{13}, 4^5, 6, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^7, 6, 12\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^7, 4^7, 6, 12\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^7, 6, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{11}, 3, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^4, 4^9, 6, 12\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^7, 4^9, 6, 12\})$	12533760
12	$\mathcal{O}(1; \{2^8, 3, 4^{11}, 6, 12\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{11}, 6, 12\})$	6488064
12	$\mathcal{O}(1; \{3^7, 4^{11}, 6, 12\})$	50135040
12	$\mathcal{O}(1; \{2^5, 3, 4^{13}, 6, 12\})$	2359296
12	$\mathcal{O}(1; \{2, 3^4, 4^{13}, 6, 12\})$	25952256
12	$\mathcal{O}(1; \{2^2, 3, 4^{15}, 6, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4, 6^2, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4, 6^2, 12\})$	12582720
12	$\mathcal{O}(1; \{3^{17}, 4, 6^2, 12\})$	100663488
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^8, 4^3, 6^2, 12\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^3, 6^2, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{14}, 4^3, 6^2, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^5, 6^2, 12\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^8, 4^5, 6^2, 12\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^5, 6^2, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^7, 6^2, 12\})$	184320

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^5, 4^7, 6^2, 12\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^8, 4^7, 6^2, 12\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3^2, 4^9, 6^2, 12\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^5, 4^9, 6^2, 12\})$	6340608
12	$\mathcal{O}(1; \{3^8, 4^9, 6^2, 12\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{11}, 6^2, 12\})$	2949120
12	$\mathcal{O}(1; \{2, 3^5, 4^{11}, 6^2, 12\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{13}, 6^2, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{21}, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^9, 4, 6^3, 12\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4, 6^3, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{15}, 4, 6^3, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^3, 6^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^9, 4^3, 6^3, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^3, 6^3, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^5, 6^3, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^6, 4^5, 6^3, 12\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^9, 4^5, 6^3, 12\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^3, 4^7, 6^3, 12\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^6, 4^7, 6^3, 12\})$	6303744
12	$\mathcal{O}(1; \{3^9, 4^7, 6^3, 12\})$	50319360
12	$\mathcal{O}(1; \{2^9, 4^9, 6^3, 12\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^3, 4^9, 6^3, 12\})$	3096576
12	$\mathcal{O}(1; \{2, 3^6, 4^9, 6^3, 12\})$	25214976
12	$\mathcal{O}(1; \{2^6, 4^{11}, 6^3, 12\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{11}, 6^3, 12\})$	12386304
12	$\mathcal{O}(1; \{2^3, 4^{13}, 6^3, 12\})$	7077888
12	$\mathcal{O}(1; \{4^{15}, 6^3, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{18}, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4, 6^4, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4, 6^4, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4, 6^4, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 3, 4^3, 6^4, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^3, 6^4, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^7, 4^3, 6^4, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^3, 6^4, 12\})$	12582144

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^4, 4^5, 6^4, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^7, 4^5, 6^4, 12\})$	6294528
12	$\mathcal{O}(1; \{3^{10}, 4^5, 6^4, 12\})$	50328576
12	$\mathcal{O}(1; \{2^9, 3, 4^7, 6^4, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^4, 4^7, 6^4, 12\})$	3133440
12	$\mathcal{O}(1; \{2, 3^7, 4^7, 6^4, 12\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3, 4^9, 6^4, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^4, 4^9, 6^4, 12\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3, 4^{11}, 6^4, 12\})$	6488064
12	$\mathcal{O}(1; \{3, 4^{13}, 6^4, 12\})$	25952256
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4, 6^5, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4, 6^5, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^8, 4, 6^5, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4, 6^5, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^5, 4^3, 6^5, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^8, 4^3, 6^5, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{11}, 4^3, 6^5, 12\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3^2, 4^5, 6^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^5, 4^5, 6^5, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^8, 4^5, 6^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3^2, 4^7, 6^5, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^5, 4^7, 6^5, 12\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^2, 4^9, 6^5, 12\})$	6340608
12	$\mathcal{O}(1; \{3^2, 4^{11}, 6^5, 12\})$	25362432
12	$\mathcal{O}(1; \{2^{16}, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 6^6, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 6^6, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{12}, 4, 6^6, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{13}, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 6^6, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 6^6, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 6^6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{10}, 4^5, 6^6, 12\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 6^6, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 6^6, 12\})$	12579840
12	$\mathcal{O}(1; \{2^7, 4^7, 6^6, 12\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 6^6, 12\})$	6303744
12	$\mathcal{O}(1; \{2^4, 4^9, 6^6, 12\})$	3096576
12	$\mathcal{O}(1; \{3^3, 4^9, 6^6, 12\})$	25214976
12	$\mathcal{O}(1; \{2, 4^{11}, 6^6, 12\})$	12386304

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6^7, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6^7, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6^7, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6^7, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6^7, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6^7, 12\})$	12582144
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6^7, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6^7, 12\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6^7, 12\})$	3133440
12	$\mathcal{O}(1; \{3^4, 4^7, 6^7, 12\})$	25178112
12	$\mathcal{O}(1; \{2, 3, 4^9, 6^7, 12\})$	12533760
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^8, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^8, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^8, 12\})$	12582720
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^8, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^8, 12\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^8, 12\})$	3142656
12	$\mathcal{O}(1; \{3^5, 4^5, 6^8, 12\})$	25168896
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^8, 12\})$	12570624
12	$\mathcal{O}(1; \{2^{11}, 4, 6^9, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^9, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^9, 12\})$	6291648
12	$\mathcal{O}(1; \{2^8, 4^3, 6^9, 12\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^9, 12\})$	3144960
12	$\mathcal{O}(1; \{3^6, 4^3, 6^9, 12\})$	25166592
12	$\mathcal{O}(1; \{2^5, 4^5, 6^9, 12\})$	1575936
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^9, 12\})$	12579840
12	$\mathcal{O}(1; \{2^2, 4^7, 6^9, 12\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^{10}, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^{10}, 12\})$	3145536
12	$\mathcal{O}(1; \{3^7, 4, 6^{10}, 12\})$	25166016
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^{10}, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^{10}, 12\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^{10}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^{11}, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^{11}, 12\})$	12582720
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^{11}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^6, 4, 6^{12}, 12\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^{12}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^3, 4^3, 6^{12}, 12\})$	3144960
12	$\mathcal{O}(1; \{4^5, 6^{12}, 12\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^{13}, 12\})$	3145536

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3, 4^3, 6^{13}, 12\})$	12582144
12	$\mathcal{O}(1; \{3^2, 4, 6^{14}, 12\})$	12582720
12	$\mathcal{O}(1; \{2, 4, 6^{15}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^{23}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{19}, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{15}, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{11}, 3^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^7, 3^{14}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3^{17}, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4^2, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4^2, 12^2\})$	25166592
12	$\mathcal{O}(1; \{3^{17}, 4^2, 12^2\})$	201325824
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^8, 4^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{14}, 4^4, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^8, 4^6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^8, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^5, 4^8, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^8, 4^8, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3^2, 4^{10}, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^4, 3^5, 4^{10}, 12^2\})$	12386304
12	$\mathcal{O}(1; \{3^8, 4^{10}, 12^2\})$	100859904
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{12}, 12^2\})$	7077888
12	$\mathcal{O}(1; \{2, 3^5, 4^{12}, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{14}, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{24}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{16}, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{12}, 3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^8, 3^{12}, 6, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^{15}, 6, 12^2\})$	25166016
12	$\mathcal{O}(1; \{3^{18}, 6, 12^2\})$	201326400
12	$\mathcal{O}(1; \{2^{21}, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4^2, 6, 12^2\})$	195840

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^9, 4^2, 6, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4^2, 6, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{15}, 4^2, 6, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{18}, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^4, 6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^9, 4^4, 6, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^4, 6, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{15}, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^6, 6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^6, 4^6, 6, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^9, 4^6, 6, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^{12}, 4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^3, 4^8, 6, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^6, 4^8, 6, 12^2\})$	12533760
12	$\mathcal{O}(1; \{3^9, 4^8, 6, 12^2\})$	100712448
12	$\mathcal{O}(1; \{2^9, 4^{10}, 6, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^3, 4^{10}, 6, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2, 3^6, 4^{10}, 6, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^6, 4^{12}, 6, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{12}, 6, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^3, 4^{14}, 6, 12^2\})$	9437184
12	$\mathcal{O}(1; \{4^{16}, 6, 12^2\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{17}, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{13}, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^{10}, 6^2, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^5, 3^{13}, 6^2, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3^{16}, 6^2, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{18}, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^2, 6^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^2, 6^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^2, 6^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^2, 6^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^4, 6^2, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^7, 4^4, 6^2, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^4, 6^2, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^4, 4^6, 6^2, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^7, 4^6, 6^2, 12^2\})$	12570624
12	$\mathcal{O}(1; \{3^{10}, 4^6, 6^2, 12^2\})$	100675584
12	$\mathcal{O}(1; \{2^9, 3, 4^8, 6^2, 12^2\})$	737280

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^4, 4^8, 6^2, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2, 3^7, 4^8, 6^2, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3, 4^{10}, 6^2, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{10}, 6^2, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3, 4^{12}, 6^2, 12^2\})$	11796480
12	$\mathcal{O}(1; \{3, 4^{14}, 6^2, 12^2\})$	47185920
12	$\mathcal{O}(1; \{2^{18}, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^8, 6^3, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{11}, 6^3, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{14}, 6^3, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 6^3, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 6^3, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 6^3, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 6^3, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 6^3, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 6^3, 12^2\})$	12579840
12	$\mathcal{O}(1; \{3^{11}, 4^4, 6^3, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 6^3, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 6^3, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 6^3, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 6^3, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 6^3, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 6^3, 12^2\})$	12386304
12	$\mathcal{O}(1; \{3^2, 4^{12}, 6^3, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2^{19}, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^6, 6^4, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^9, 6^4, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{12}, 6^4, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6^4, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6^4, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6^4, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6^4, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6^4, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6^4, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6^4, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6^4, 12^2\})$	25178112

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 4^8, 6^4, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6^4, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6^4, 12^2\})$	6488064
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6^4, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2, 4^{12}, 6^4, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^{16}, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^4, 6^5, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^7, 6^5, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{10}, 6^5, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{13}, 6^5, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^5, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^5, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^5, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^5, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^5, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^5, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^5, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^5, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^5, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^4, 4^8, 6^5, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^5, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^5, 6^6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^8, 6^6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{11}, 6^6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^5, 4^6, 6^6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^{14}, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^7, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^6, 6^7, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^9, 6^7, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^7, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^7, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^7, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^8, 4^4, 6^7, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^7, 12^2\})$	6294528

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^6, 4^4, 6^7, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^5, 4^6, 6^7, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^7, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^2, 4^8, 6^7, 12^2\})$	12533760
12	$\mathcal{O}(1; \{2^{11}, 3, 6^8, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^4, 6^8, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^7, 6^8, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^8, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^8, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^7, 4^2, 6^8, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^8, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^8, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^8, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3^2, 6^9, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^5, 6^9, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^8, 6^9, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^9, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^9, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^9, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^9, 6^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^3, 6^{10}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^6, 6^{10}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^6, 4^2, 6^{10}, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^{10}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^3, 4^4, 6^{10}, 12^2\})$	6294528
12	$\mathcal{O}(1; \{4^6, 6^{10}, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^6, 3, 6^{11}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^4, 6^{11}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^{11}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3, 4^4, 6^{11}, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^2, 6^{12}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^2, 4^2, 6^{12}, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^4, 6^{13}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{3^3, 6^{13}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2, 4^2, 6^{13}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3, 6^{14}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{21}, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{17}, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^{10}, 4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^{13}, 4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{16}, 4, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{18}, 3, 4^3, 12^3\})$	27648

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^3, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{15}, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^5, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^7, 4^5, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^5, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{12}, 3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^8, 3^4, 4^7, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^7, 4^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{3^{10}, 4^7, 12^3\})$	201277440
12	$\mathcal{O}(1; \{2^9, 3, 4^9, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^5, 3^4, 4^9, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2, 3^7, 4^9, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2^6, 3, 4^{11}, 12^3\})$	7077888
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{11}, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^3, 3, 4^{13}, 12^3\})$	28311552
12	$\mathcal{O}(1; \{3, 4^{15}, 12^3\})$	113246208
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4, 6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4, 6, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4, 6, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^3, 6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^8, 4^3, 6, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^3, 6, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^8, 3^5, 4^5, 6, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^8, 4^5, 6, 12^3\})$	25178112
12	$\mathcal{O}(1; \{3^{11}, 4^5, 6, 12^3\})$	201314304
12	$\mathcal{O}(1; \{2^9, 3^2, 4^7, 6, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^5, 4^7, 6, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2, 3^8, 4^7, 6, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3^2, 4^9, 6, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^5, 4^9, 6, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{11}, 6, 12^3\})$	25952256
12	$\mathcal{O}(1; \{3^2, 4^{13}, 6, 12^3\})$	103809024
12	$\mathcal{O}(1; \{2^{19}, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4, 6^2, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^9, 4, 6^2, 12^3\})$	6292224

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4, 6^2, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{16}, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^6, 4^3, 6^2, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^9, 4^3, 6^2, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3^{12}, 4^3, 6^2, 12^3\})$	201323520
12	$\mathcal{O}(1; \{2^{13}, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^3, 4^5, 6^2, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^6, 4^5, 6^2, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2, 3^9, 4^5, 6^2, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^{10}, 4^7, 6^2, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^3, 4^7, 6^2, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^6, 4^7, 6^2, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^7, 4^9, 6^2, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^3, 4^9, 6^2, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^4, 4^{11}, 6^2, 12^3\})$	11796480
12	$\mathcal{O}(1; \{3^3, 4^{11}, 6^2, 12^3\})$	101449728
12	$\mathcal{O}(1; \{2, 4^{13}, 6^2, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 6^3, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 6^3, 12^3\})$	25166592
12	$\mathcal{O}(1; \{3^{13}, 4, 6^3, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 6^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 6^3, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 6^3, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 6^3, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 6^3, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 6^3, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 6^3, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 6^3, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 6^3, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^4, 4^9, 6^3, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 6^3, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6^4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6^4, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6^4, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6^4, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6^4, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6^4, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6^4, 12^3\})$	3133440

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6^4, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6^4, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^5, 4^7, 6^4, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6^4, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^{14}, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^5, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^5, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^5, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^5, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^5, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^5, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^8, 4^5, 6^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^6, 4^5, 6^5, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^5, 4^7, 6^5, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^5, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^2, 4^9, 6^5, 12^3\})$	25362432
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^7, 4^3, 6^6, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^7, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^7, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^8, 4, 6^7, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^7, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^7, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^7, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^9, 4, 6^8, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^8, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^8, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^6, 4^3, 6^8, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^8, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^3, 4^5, 6^8, 12^3\})$	12570624
12	$\mathcal{O}(1; \{4^7, 6^8, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^9, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^9, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^9, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3, 4^5, 6^9, 12^3\})$	50319360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^{10}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^2, 4^3, 6^{10}, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^4, 4, 6^{11}, 12^3\})$	6292224
12	$\mathcal{O}(1; \{3^3, 4, 6^{11}, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2, 4^3, 6^{11}, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 3, 4, 6^{12}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{22}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^{18}, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{14}, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^{10}, 3^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^6, 3^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3^{15}, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{19}, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^9, 4^2, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^2, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{16}, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^6, 4^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^9, 4^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{3^{12}, 4^4, 12^4\})$	402665472
12	$\mathcal{O}(1; \{2^{13}, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{2^9, 3^3, 4^6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^6, 4^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{2, 3^9, 4^6, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^{10}, 4^8, 12^4\})$	1769472
12	$\mathcal{O}(1; \{2^6, 3^3, 4^8, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^6, 4^8, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^7, 4^{10}, 12^4\})$	7077888
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{10}, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^4, 4^{12}, 12^4\})$	28311552
12	$\mathcal{O}(1; \{3^3, 4^{12}, 12^4\})$	198180864
12	$\mathcal{O}(1; \{2, 4^{14}, 12^4\})$	113246208
12	$\mathcal{O}(1; \{2^{19}, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{15}, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{11}, 3^7, 6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^7, 3^{10}, 6, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3^{13}, 6, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{16}, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^7, 4^2, 6, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^2, 6, 12^4\})$	50328576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^{13}, 4^2, 6, 12^4\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^4, 4^4, 6, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^7, 4^4, 6, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2, 3^{10}, 4^4, 6, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 3, 4^6, 6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^4, 4^6, 6, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^7, 4^6, 6, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^7, 3, 4^8, 6, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^4, 4^8, 6, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^4, 3, 4^{10}, 6, 12^4\})$	25952256
12	$\mathcal{O}(1; \{3^4, 4^{10}, 6, 12^4\})$	200540160
12	$\mathcal{O}(1; \{2, 3, 4^{12}, 6, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{16}, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{12}, 3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 3^8, 6^2, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^{11}, 6^2, 12^4\})$	50330880
12	$\mathcal{O}(1; \{3^{14}, 6^2, 12^4\})$	402653952
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 6^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 6^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 6^2, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 6^2, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 6^2, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 6^2, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 6^2, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 6^2, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 6^2, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3^5, 4^8, 6^2, 12^4\})$	201129984
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 6^2, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^{17}, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^6, 6^3, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^9, 6^3, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{12}, 6^3, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6^3, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6^3, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6^3, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6^3, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6^3, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6^3, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^8, 4^6, 6^3, 12^4\})$	3096576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6^3, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^6, 4^6, 6^3, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^5, 4^8, 6^3, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6^3, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6^3, 12^4\})$	49545216
12	$\mathcal{O}(1; \{2^{14}, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^4, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^7, 6^4, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^4, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^4, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^4, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^4, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^4, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^4, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^7, 4^4, 6^4, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^4, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^4, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^4, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^5, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^5, 6^5, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^8, 6^5, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^5, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^5, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^8, 4^2, 6^5, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^5, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^5, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^5, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^{12}, 6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^3, 6^6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^6, 6^6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^9, 6^6, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^9, 4^2, 6^6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^6, 4^4, 6^6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^3, 4^6, 6^6, 12^4\})$	25214976
12	$\mathcal{O}(1; \{4^8, 6^6, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^9, 3, 6^7, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^4, 6^7, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2, 3^7, 6^7, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^7, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^7, 12^4\})$	50328576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^7, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3, 4^6, 6^7, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3^2, 6^8, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^5, 6^8, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^8, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^2, 4^4, 6^8, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^7, 6^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^3, 6^9, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^4, 4^2, 6^9, 12^4\})$	12579840
12	$\mathcal{O}(1; \{3^3, 4^2, 6^9, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2, 4^4, 6^9, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3, 6^{10}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^4, 6^{10}, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^{10}, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2, 3^2, 6^{11}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^2, 6^{12}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^8, 4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{3^{14}, 4, 12^5\})$	805303296
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^9, 3^5, 4^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^8, 4^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2, 3^{11}, 4^3, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^5, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^6, 3^5, 4^5, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^8, 4^5, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^7, 3^2, 4^7, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^5, 4^7, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^4, 3^2, 4^9, 12^5\})$	49545216
12	$\mathcal{O}(1; \{3^5, 4^9, 12^5\})$	403439616
12	$\mathcal{O}(1; \{2, 3^2, 4^{11}, 12^5\})$	198180864
12	$\mathcal{O}(1; \{2^{17}, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^6, 4, 6, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^9, 4, 6, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{12}, 4, 6, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^{14}, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^3, 6, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^6, 4^3, 6, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^9, 4^3, 6, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^{11}, 4^5, 6, 12^5\})$	1622016

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^3, 4^5, 6, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^6, 4^5, 6, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^8, 4^7, 6, 12^5\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3^3, 4^7, 6, 12^5\})$	50135040
12	$\mathcal{O}(1; \{3^6, 4^7, 6, 12^5\})$	402849792
12	$\mathcal{O}(1; \{2^5, 4^9, 6, 12^5\})$	25952256
12	$\mathcal{O}(1; \{2, 3^3, 4^9, 6, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^2, 4^{11}, 6, 12^5\})$	103809024
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 6^2, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 6^2, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 6^2, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 6^2, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 6^2, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 6^2, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 6^2, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 6^2, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3^7, 4^5, 6^2, 12^5\})$	402702336
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 6^2, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 6^2, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 6^2, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6^3, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6^3, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6^3, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6^3, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6^3, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^8, 4^3, 6^3, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6^3, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6^3, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6^3, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^{12}, 4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^4, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^4, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^9, 4, 6^4, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^9, 4^3, 6^4, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^4, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^4, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^6, 4^5, 6^4, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^4, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^3, 4^7, 6^4, 12^5\})$	50135040
12	$\mathcal{O}(1; \{4^9, 6^4, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^5, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^5, 12^5\})$	25168896

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^5, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^5, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^5, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3, 4^7, 6^5, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^2, 4^5, 6^6, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^7, 4, 6^7, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^7, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^4, 4^3, 6^7, 12^5\})$	25178112
12	$\mathcal{O}(1; \{3^3, 4^3, 6^7, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2, 4^5, 6^7, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^8, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^4, 4, 6^8, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^8, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^9, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^2, 4, 6^{10}, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2^{17}, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^{13}, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^9, 3^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2, 3^{13}, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^{14}, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^2, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^7, 4^2, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^2, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^{11}, 3, 4^4, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^7, 3^4, 4^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^7, 4^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^8, 3, 4^6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{3^7, 4^6, 12^6\})$	805109760
12	$\mathcal{O}(1; \{2^5, 3, 4^8, 12^6\})$	49545216
12	$\mathcal{O}(1; \{2, 3^4, 4^8, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2^2, 3, 4^{10}, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{14}, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^{10}, 3^5, 6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3^8, 6, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^{11}, 6, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6, 12^6\})$	25178112

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6, 12^6\})$	100712448
12	$\mathcal{O}(1; \{3^8, 4^4, 6, 12^6\})$	805257216
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{15}, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6^2, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^6, 6^2, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^9, 6^2, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^9, 4^2, 6^2, 12^6\})$	805294080
12	$\mathcal{O}(1; \{2^9, 4^4, 6^2, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^2, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^2, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^6, 4^6, 6^2, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^2, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^3, 4^8, 6^2, 12^6\})$	101449728
12	$\mathcal{O}(1; \{4^{10}, 6^2, 12^6\})$	405798912
12	$\mathcal{O}(1; \{2^{12}, 3, 6^3, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^4, 6^3, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^7, 6^3, 12^6\})$	100666368
12	$\mathcal{O}(1; \{3^{10}, 6^3, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^3, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^3, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^3, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^3, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^3, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^3, 12^6\})$	100859904
12	$\mathcal{O}(1; \{3, 4^8, 6^3, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2^9, 3^2, 6^4, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^5, 6^4, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^8, 6^4, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^4, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^4, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^4, 12^6\})$	100712448
12	$\mathcal{O}(1; \{3^2, 4^6, 6^4, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^{10}, 6^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^3, 6^5, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^6, 6^5, 12^6\})$	201323520

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 4^2, 6^5, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^5, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^4, 4^4, 6^5, 12^6\})$	50282496
12	$\mathcal{O}(1; \{3^3, 4^4, 6^5, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2, 4^6, 6^5, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^7, 3, 6^6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^4, 6^6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^4, 4^2, 6^6, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3^2, 6^7, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^5, 6^7, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^7, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^5, 6^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2, 3^3, 6^8, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^2, 4^2, 6^8, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3, 6^9, 12^6\})$	100666368
12	$\mathcal{O}(1; \{6^{11}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^{15}, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^{12}, 4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{3^9, 4^3, 12^7\})$	1610661888
12	$\mathcal{O}(1; \{2^9, 4^5, 12^7\})$	12386304
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2^6, 4^7, 12^7\})$	49545216
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^3, 4^9, 12^7\})$	198180864
12	$\mathcal{O}(1; \{4^{11}, 12^7\})$	792723456
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6, 12^7\})$	201314304
12	$\mathcal{O}(1; \{3^{10}, 4, 6, 12^7\})$	1610625024
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6, 12^7\})$	200540160

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3, 4^9, 6, 12^7\})$	802160640
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^2, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^2, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^2, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^2, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^2, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^2, 12^7\})$	201129984
12	$\mathcal{O}(1; \{3^2, 4^7, 6^2, 12^7\})$	804519936
12	$\mathcal{O}(1; \{2^{10}, 4, 6^3, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^3, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^3, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^7, 4^3, 6^3, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^3, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^4, 4^5, 6^3, 12^7\})$	100859904
12	$\mathcal{O}(1; \{3^3, 4^5, 6^3, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2, 4^7, 6^3, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^4, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^4, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^4, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^4, 4^3, 6^4, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^4, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^5, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^5, 4, 6^5, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^5, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^5, 4, 6^6, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^2, 4^3, 6^6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^7, 12^7\})$	201314304
12	$\mathcal{O}(1; \{4, 6^9, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^{12}, 3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^5, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^8, 12^8\})$	402665472
12	$\mathcal{O}(1; \{3^{11}, 12^8\})$	3221213184
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 12^8\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{3^2, 4^8, 12^8\})$	1613758464
12	$\mathcal{O}(1; \{2^{13}, 6, 12^8\})$	3133440
12	$\mathcal{O}(1; \{2^9, 3^3, 6, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^6, 6, 12^8\})$	201314304

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^9, 6, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6, 12^8\})$	12533760
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^7, 4^4, 6, 12^8\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^4, 4^6, 6, 12^8\})$	200540160
12	$\mathcal{O}(1; \{3^3, 4^6, 6, 12^8\})$	1611399168
12	$\mathcal{O}(1; \{2, 4^8, 6, 12^8\})$	802160640
12	$\mathcal{O}(1; \{2^{10}, 3, 6^2, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^4, 6^2, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^7, 6^2, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^2, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3^4, 4^4, 6^2, 12^8\})$	1610809344
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^2, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^7, 3^2, 6^3, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^5, 6^3, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^3, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3^5, 4^2, 6^3, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^3, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^8, 6^4, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^3, 6^4, 12^8\})$	201314304
12	$\mathcal{O}(1; \{3^6, 6^4, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^5, 4^2, 6^4, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^4, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^2, 4^4, 6^4, 12^8\})$	402849792
12	$\mathcal{O}(1; \{2^5, 3, 6^5, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^4, 6^5, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^5, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3^2, 6^6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^3, 6^7, 12^8\})$	201314304
12	$\mathcal{O}(1; \{4^2, 6^7, 12^8\})$	805257216
12	$\mathcal{O}(1; \{3, 6^8, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 12^9\})$	403439616
12	$\mathcal{O}(1; \{3^4, 4^5, 12^9\})$	3220439040
12	$\mathcal{O}(1; \{2, 3, 4^7, 12^9\})$	1613758464

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6, 12^9\})$	402849792
12	$\mathcal{O}(1; \{3^5, 4^3, 6, 12^9\})$	3221028864
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2^8, 4, 6^2, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^2, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3^6, 4, 6^2, 12^9\})$	3221176320
12	$\mathcal{O}(1; \{2^5, 4^3, 6^2, 12^9\})$	201129984
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^2, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 4^5, 6^2, 12^9\})$	804519936
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^3, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^3, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^3, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^4, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^3, 4, 6^5, 12^9\})$	402702336
12	$\mathcal{O}(1; \{4^3, 6^5, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{3, 4, 6^6, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^{11}, 12^{10}\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^8, 4^2, 12^{10}\})$	100859904
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{3^6, 4^2, 12^{10}\})$	6442647552
12	$\mathcal{O}(1; \{2^5, 4^4, 12^{10}\})$	403439616
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2^2, 4^6, 12^{10}\})$	1613758464
12	$\mathcal{O}(1; \{2^8, 3, 6, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^4, 6, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{3^7, 6, 12^{10}\})$	6442500096
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2, 3^5, 6^2, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^6, 6^3, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{4^4, 6^3, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2^3, 3, 6^4, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{3, 4^2, 6^4, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{3^2, 6^5, 12^{10}\})$	3221176320

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 6^6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{2, 3^5, 4, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2^6, 4, 6, 12^{11}\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^3, 4^3, 6, 12^{11}\})$	1611399168
12	$\mathcal{O}(1; \{4^5, 6, 12^{11}\})$	6445596672
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{3, 4^3, 6^2, 12^{11}\})$	6443237376
12	$\mathcal{O}(1; \{3^2, 4, 6^3, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2, 4, 6^4, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^6, 3, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^4, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{3, 4^4, 12^{12}\})$	12881756160
12	$\mathcal{O}(1; \{2^3, 3^2, 6, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{3^2, 4^2, 6, 12^{12}\})$	12884115456
12	$\mathcal{O}(1; \{2^4, 6^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{3^3, 6^2, 12^{12}\})$	12884705280
12	$\mathcal{O}(1; \{2, 4^2, 6^2, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{2, 3, 6^3, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^4, 4, 12^{13}\})$	3220439040
12	$\mathcal{O}(1; \{3^3, 4, 12^{13}\})$	25770590208
12	$\mathcal{O}(1; \{2, 4^3, 12^{13}\})$	12881756160
12	$\mathcal{O}(1; \{2, 3, 4, 6, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{2, 3^2, 12^{14}\})$	25770590208
12	$\mathcal{O}(1; \{2^2, 6, 12^{14}\})$	12884115456
12	$\mathcal{O}(1; \{12^{16}\})$	103082360832
12	$\mathcal{O}(0; \{2^{25}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{16}, 4^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{19}, 4^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{22}, 4^2\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4^4\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^6\})$	192

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^6\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^6\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^6\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^8\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^8\})$	349440
12	$\mathcal{O}(0; \{3^{16}, 4^8\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^7, 4^{10}\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^{10}\})$	175104
12	$\mathcal{O}(0; \{2, 3^{13}, 4^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^{12}\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^7, 4^{12}\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^{12}\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{14}\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{14}\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{16}\})$	196608
12	$\mathcal{O}(0; \{3^7, 4^{16}\})$	1376256
12	$\mathcal{O}(0; \{2, 3^4, 4^{18}\})$	786432
12	$\mathcal{O}(0; \{2^{26}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{22}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{14}, 4^2, 6\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{17}, 4^2, 6\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{20}, 4^2, 6\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^4, 6\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^4, 6\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^4, 6\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^6, 6\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^6, 6\})$	349504
12	$\mathcal{O}(0; \{3^{17}, 4^6, 6\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^8, 4^8, 6\})$	21760

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^8, 6\})$	174848
12	$\mathcal{O}(0; \{2, 3^{14}, 4^8, 6\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^{10}, 6\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^8, 4^{10}, 6\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^{10}, 6\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{12}, 6\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{12}, 6\})$	348160
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{14}, 6\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{14}, 6\})$	180224
12	$\mathcal{O}(0; \{3^8, 4^{14}, 6\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{16}, 6\})$	65536
12	$\mathcal{O}(0; \{2, 3^5, 4^{16}, 6\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{18}, 6\})$	262144
12	$\mathcal{O}(0; \{2^{27}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4^2, 6^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4^2, 6^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4^2, 6^2\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^4, 6^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^4, 6^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^4, 6^2\})$	349520
12	$\mathcal{O}(0; \{3^{18}, 4^4, 6^2\})$	2796208
12	$\mathcal{O}(0; \{2^{21}, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^9, 4^6, 6^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^6, 6^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^{15}, 4^6, 6^2\})$	1398080
12	$\mathcal{O}(0; \{2^{18}, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^8, 6^2\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^8, 6^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^9, 4^8, 6^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^8, 6^2\})$	699136
12	$\mathcal{O}(0; \{2^{15}, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^{10}, 6^2\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^6, 4^{10}, 6^2\})$	44032

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^9, 4^{10}, 6^2\})$	349184
12	$\mathcal{O}(0; \{2^{12}, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{12}, 6^2\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{12}, 6^2\})$	176128
12	$\mathcal{O}(0; \{3^9, 4^{12}, 6^2\})$	1396736
12	$\mathcal{O}(0; \{2^9, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{14}, 6^2\})$	81920
12	$\mathcal{O}(0; \{2, 3^6, 4^{14}, 6^2\})$	704512
12	$\mathcal{O}(0; \{2^6, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{16}, 6^2\})$	327680
12	$\mathcal{O}(0; \{2^3, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{4^{20}, 6^2\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^2, 6^3\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^2, 6^3\})$	349524
12	$\mathcal{O}(0; \{3^{19}, 4^2, 6^3\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^4, 6^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^4, 6^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^{16}, 4^4, 6^3\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^6, 6^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^6, 6^3\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^6, 6^3\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^8, 6^3\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^7, 4^8, 6^3\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^8, 6^3\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{10}, 6^3\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{10}, 6^3\})$	175104
12	$\mathcal{O}(0; \{3^{10}, 4^{10}, 6^3\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3, 4^{12}, 6^3\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{12}, 6^3\})$	86016
12	$\mathcal{O}(0; \{2, 3^7, 4^{12}, 6^3\})$	700416
12	$\mathcal{O}(0; \{2^6, 3, 4^{14}, 6^3\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{14}, 6^3\})$	344064

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 4^{16}, 6^3\})$	196608
12	$\mathcal{O}(0; \{3, 4^{18}, 6^3\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^2, 6^4\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^2, 6^4\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^2, 6^4\})$	174764
12	$\mathcal{O}(0; \{2, 3^{17}, 4^2, 6^4\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^4, 6^4\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^4, 6^4\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^4, 6^4\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^6, 6^4\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^8, 4^6, 6^4\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^6, 6^4\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^5, 4^8, 6^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^8, 4^8, 6^4\})$	174848
12	$\mathcal{O}(0; \{3^{11}, 4^8, 6^4\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{10}, 6^4\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{10}, 6^4\})$	87040
12	$\mathcal{O}(0; \{2, 3^8, 4^{10}, 6^4\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{12}, 6^4\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{12}, 6^4\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{14}, 6^4\})$	180224
12	$\mathcal{O}(0; \{3^2, 4^{16}, 6^4\})$	720896
12	$\mathcal{O}(0; \{2^{22}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^2, 6^5\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^2, 6^5\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^2, 6^5\})$	699052
12	$\mathcal{O}(0; \{2^{19}, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^4, 6^5\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^9, 4^4, 6^5\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^4, 6^5\})$	349520
12	$\mathcal{O}(0; \{2^{16}, 4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^6, 4^6, 6^5\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^9, 4^6, 6^5\})$	174784

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{12}, 4^6, 6^5\})$	1398080
12	$\mathcal{O}(0; \{2^{13}, 4^8, 6^5\})$	1280
12	$\mathcal{O}(0; \{2^9, 3^3, 4^8, 6^5\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^6, 4^8, 6^5\})$	87296
12	$\mathcal{O}(0; \{2, 3^9, 4^8, 6^5\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 4^{10}, 6^5\})$	5120
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{10}, 6^5\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{10}, 6^5\})$	349184
12	$\mathcal{O}(0; \{2^7, 4^{12}, 6^5\})$	20480
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{12}, 6^5\})$	176128
12	$\mathcal{O}(0; \{2^4, 4^{14}, 6^5\})$	81920
12	$\mathcal{O}(0; \{3^3, 4^{14}, 6^5\})$	704512
12	$\mathcal{O}(0; \{2, 4^{16}, 6^5\})$	327680
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 6^6\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 6^6\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 6^6\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 6^6\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 6^6\})$	174768
12	$\mathcal{O}(0; \{3^{13}, 4^4, 6^6\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 6^6\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 6^6\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 6^6\})$	87360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 6^6\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 6^6\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 6^6\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 6^6\})$	349440
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 6^6\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 6^6\})$	175104
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 6^6\})$	86016
12	$\mathcal{O}(0; \{3^4, 4^{12}, 6^6\})$	700416
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 6^6\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6^7\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6^7\})$	174764
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6^7\})$	1398100
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6^7\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6^7\})$	87376

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6^7\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6^7\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6^7\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6^7\})$	349504
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6^7\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6^7\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6^7\})$	87040
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6^7\})$	699392
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6^7\})$	348160
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^8\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^8\})$	87380
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^8\})$	699052
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^8\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^8\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^8\})$	349520
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^8\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^8\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^8\})$	174784
12	$\mathcal{O}(0; \{2^8, 4^8, 6^8\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^8\})$	87296
12	$\mathcal{O}(0; \{3^6, 4^8, 6^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^8\})$	44032
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^8\})$	349184
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^8\})$	176128
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^9\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^9\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^9\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^9\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^9\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^9\})$	174768
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^9\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^9\})$	87360
12	$\mathcal{O}(0; \{3^7, 4^6, 6^9\})$	699072
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^9\})$	43776
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^9\})$	349440
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^9\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^{10}\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^{10}\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^{10}\})$	174764

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^{10}\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^{10}\})$	87376
12	$\mathcal{O}(0; \{3^8, 4^4, 6^{10}\})$	699056
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^{10}\})$	43712
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^{10}\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^{10}\})$	174848
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^{11}\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^{11}\})$	87380
12	$\mathcal{O}(0; \{3^9, 4^2, 6^{11}\})$	699052
12	$\mathcal{O}(0; \{2^9, 4^4, 6^{11}\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^{11}\})$	43696
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^{11}\})$	349520
12	$\mathcal{O}(0; \{2^6, 4^6, 6^{11}\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^{11}\})$	174784
12	$\mathcal{O}(0; \{2^3, 4^8, 6^{11}\})$	87296
12	$\mathcal{O}(0; \{4^{10}, 6^{11}\})$	349184
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^{12}\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^{12}\})$	43692
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^{12}\})$	349524
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^{12}\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^{12}\})$	174768
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^{12}\})$	87360
12	$\mathcal{O}(0; \{3, 4^8, 6^{12}\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^{13}\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^{13}\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^{13}\})$	87376
12	$\mathcal{O}(0; \{3^2, 4^6, 6^{13}\})$	349504
12	$\mathcal{O}(0; \{2^7, 4^2, 6^{14}\})$	10924
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^{14}\})$	87380
12	$\mathcal{O}(0; \{2^4, 4^4, 6^{14}\})$	43696
12	$\mathcal{O}(0; \{3^3, 4^4, 6^{14}\})$	349520
12	$\mathcal{O}(0; \{2, 4^6, 6^{14}\})$	174784
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^{15}\})$	43692
12	$\mathcal{O}(0; \{3^4, 4^2, 6^{15}\})$	349524
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^{15}\})$	174768
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{16}\})$	174764
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{17}\})$	87380
12	$\mathcal{O}(0; \{2^{26}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{22}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{15}, 4, 12\})$	43692

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^{18}, 4, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{21}, 4, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4^3, 12\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^5, 12\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^5, 12\})$	699072
12	$\mathcal{O}(0; \{3^{18}, 4^5, 12\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^9, 4^7, 12\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^7, 12\})$	349440
12	$\mathcal{O}(0; \{2, 3^{15}, 4^7, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^9, 12\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^9, 4^9, 12\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^9, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^{11}, 12\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^6, 4^{11}, 12\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^9, 4^{11}, 12\})$	700416
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{13}, 12\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{13}, 12\})$	344064
12	$\mathcal{O}(0; \{3^9, 4^{13}, 12\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{15}, 12\})$	196608
12	$\mathcal{O}(0; \{2, 3^6, 4^{15}, 12\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{17}, 12\})$	786432
12	$\mathcal{O}(0; \{2^{27}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 4, 6, 12\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{16}, 4, 6, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{19}, 4, 6, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{24}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^3, 6, 12\})$	10928

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^3, 6, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^3, 6, 12\})$	699056
12	$\mathcal{O}(0; \{3^{19}, 4^3, 6, 12\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^5, 6, 12\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^5, 6, 12\})$	349504
12	$\mathcal{O}(0; \{2, 3^{16}, 4^5, 6, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^7, 6, 12\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^7, 6, 12\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^7, 6, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^9, 6, 12\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^7, 4^9, 6, 12\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^9, 6, 12\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{11}, 6, 12\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{11}, 6, 12\})$	348160
12	$\mathcal{O}(0; \{3^{10}, 4^{11}, 6, 12\})$	2797568
12	$\mathcal{O}(0; \{2^9, 3, 4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{13}, 6, 12\})$	180224
12	$\mathcal{O}(0; \{2, 3^7, 4^{13}, 6, 12\})$	1392640
12	$\mathcal{O}(0; \{2^6, 3, 4^{15}, 6, 12\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{15}, 6, 12\})$	720896
12	$\mathcal{O}(0; \{2^3, 3, 4^{17}, 6, 12\})$	262144
12	$\mathcal{O}(0; \{3, 4^{19}, 6, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4, 6^2, 12\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4, 6^2, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4, 6^2, 12\})$	699052
12	$\mathcal{O}(0; \{3^{20}, 4, 6^2, 12\})$	5592404
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^3, 6^2, 12\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^3, 6^2, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3^{17}, 4^3, 6^2, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^5, 6^2, 12\})$	320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^5, 6^2, 12\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^5, 6^2, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^5, 6^2, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^7, 6^2, 12\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^8, 4^7, 6^2, 12\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^7, 6^2, 12\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^9, 6^2, 12\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^5, 4^9, 6^2, 12\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^8, 4^9, 6^2, 12\})$	349184
12	$\mathcal{O}(0; \{3^{11}, 4^9, 6^2, 12\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{11}, 6^2, 12\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{11}, 6^2, 12\})$	176128
12	$\mathcal{O}(0; \{2, 3^8, 4^{11}, 6^2, 12\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{13}, 6^2, 12\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{13}, 6^2, 12\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{15}, 6^2, 12\})$	327680
12	$\mathcal{O}(0; \{3^2, 4^{17}, 6^2, 12\})$	1310720
12	$\mathcal{O}(0; \{2^{25}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4, 6^3, 12\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4, 6^3, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^{18}, 4, 6^3, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^3, 6^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^3, 6^3, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^3, 6^3, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^5, 6^3, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^9, 4^5, 6^3, 12\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^5, 6^3, 12\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^7, 6^3, 12\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^6, 4^7, 6^3, 12\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^9, 4^7, 6^3, 12\})$	349440
12	$\mathcal{O}(0; \{3^{12}, 4^7, 6^3, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 4^9, 6^3, 12\})$	3072

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^3, 4^9, 6^3, 12\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^6, 4^9, 6^3, 12\})$	175104
12	$\mathcal{O}(0; \{2, 3^9, 4^9, 6^3, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 4^{11}, 6^3, 12\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{11}, 6^3, 12\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{11}, 6^3, 12\})$	700416
12	$\mathcal{O}(0; \{2^7, 4^{13}, 6^3, 12\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{13}, 6^3, 12\})$	344064
12	$\mathcal{O}(0; \{2^4, 4^{15}, 6^3, 12\})$	196608
12	$\mathcal{O}(0; \{3^3, 4^{15}, 6^3, 12\})$	1376256
12	$\mathcal{O}(0; \{2, 4^{17}, 6^3, 12\})$	786432
12	$\mathcal{O}(0; \{2^{22}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4, 6^4, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4, 6^4, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4, 6^4, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^3, 6^4, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^3, 6^4, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^3, 6^4, 12\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^7, 4^5, 6^4, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^5, 6^4, 12\})$	349504
12	$\mathcal{O}(0; \{3^{13}, 4^5, 6^4, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^4, 4^7, 6^4, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^7, 4^7, 6^4, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^{10}, 4^7, 6^4, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 3, 4^9, 6^4, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^4, 4^9, 6^4, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^7, 4^9, 6^4, 12\})$	699392
12	$\mathcal{O}(0; \{2^7, 3, 4^{11}, 6^4, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{11}, 6^4, 12\})$	348160
12	$\mathcal{O}(0; \{2^4, 3, 4^{13}, 6^4, 12\})$	180224
12	$\mathcal{O}(0; \{3^4, 4^{13}, 6^4, 12\})$	1392640
12	$\mathcal{O}(0; \{2, 3, 4^{15}, 6^4, 12\})$	720896
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4, 6^5, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4, 6^5, 12\})$	87380

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4, 6^5, 12\})$	699052
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^8, 4^3, 6^5, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^3, 6^5, 12\})$	349520
12	$\mathcal{O}(0; \{3^{14}, 4^3, 6^5, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^5, 4^5, 6^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^8, 4^5, 6^5, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{11}, 4^5, 6^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^7, 6^5, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^5, 4^7, 6^5, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^8, 4^7, 6^5, 12\})$	699136
12	$\mathcal{O}(0; \{2^7, 3^2, 4^9, 6^5, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^5, 4^9, 6^5, 12\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{11}, 6^5, 12\})$	176128
12	$\mathcal{O}(0; \{3^5, 4^{11}, 6^5, 12\})$	1396736
12	$\mathcal{O}(0; \{2, 3^2, 4^{13}, 6^5, 12\})$	704512
12	$\mathcal{O}(0; \{2^{20}, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 6^6, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 6^6, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 6^6, 12\})$	349524
12	$\mathcal{O}(0; \{3^{15}, 4, 6^6, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{17}, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 6^6, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 6^6, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 6^6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{14}, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 6^6, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 6^6, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 6^6, 12\})$	699072
12	$\mathcal{O}(0; \{2^{11}, 4^7, 6^6, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 6^6, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 6^6, 12\})$	349440
12	$\mathcal{O}(0; \{2^8, 4^9, 6^6, 12\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 6^6, 12\})$	175104
12	$\mathcal{O}(0; \{3^6, 4^9, 6^6, 12\})$	1397760
12	$\mathcal{O}(0; \{2^5, 4^{11}, 6^6, 12\})$	86016
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 6^6, 12\})$	700416
12	$\mathcal{O}(0; \{2^2, 4^{13}, 6^6, 12\})$	344064
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6^7, 12\})$	340

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6^7, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6^7, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6^7, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6^7, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6^7, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6^7, 12\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6^7, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6^7, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6^7, 12\})$	349504
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6^7, 12\})$	174848
12	$\mathcal{O}(0; \{3^7, 4^7, 6^7, 12\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6^7, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6^7, 12\})$	699392
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6^7, 12\})$	348160
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^8, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^8, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^8, 12\})$	699052
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^8, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^8, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^8, 12\})$	349520
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^8, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^8, 12\})$	174784
12	$\mathcal{O}(0; \{3^8, 4^5, 6^8, 12\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^8, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^8, 12\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^8, 12\})$	349184
12	$\mathcal{O}(0; \{2^{15}, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^9, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^9, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^9, 12\})$	349524
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^9, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^9, 12\})$	174768
12	$\mathcal{O}(0; \{3^9, 4^3, 6^9, 12\})$	1398096
12	$\mathcal{O}(0; \{2^9, 4^5, 6^9, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^9, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^9, 12\})$	699072
12	$\mathcal{O}(0; \{2^6, 4^7, 6^9, 12\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^9, 12\})$	349440

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4^9, 6^9, 12\})$	175104
12	$\mathcal{O}(0; \{4^{11}, 6^9, 12\})$	700416
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^{10}, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^{10}, 12\})$	174764
12	$\mathcal{O}(0; \{3^{10}, 4, 6^{10}, 12\})$	1398100
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^{10}, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^{10}, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^{10}, 12\})$	699056
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^{10}, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^{10}, 12\})$	349504
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^{10}, 12\})$	174848
12	$\mathcal{O}(0; \{3, 4^9, 6^{10}, 12\})$	699392
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^{11}, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^{11}, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^{11}, 12\})$	699052
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^{11}, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^{11}, 12\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^{11}, 12\})$	174784
12	$\mathcal{O}(0; \{3^2, 4^7, 6^{11}, 12\})$	699136
12	$\mathcal{O}(0; \{2^{10}, 4, 6^{12}, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^{12}, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^{12}, 12\})$	349524
12	$\mathcal{O}(0; \{2^7, 4^3, 6^{12}, 12\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^{12}, 12\})$	174768
12	$\mathcal{O}(0; \{2^4, 4^5, 6^{12}, 12\})$	87360
12	$\mathcal{O}(0; \{3^3, 4^5, 6^{12}, 12\})$	699072
12	$\mathcal{O}(0; \{2, 4^7, 6^{12}, 12\})$	349440
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^{13}, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^{13}, 12\})$	174764
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^{13}, 12\})$	87376
12	$\mathcal{O}(0; \{3^4, 4^3, 6^{13}, 12\})$	699056
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^{13}, 12\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^{14}, 12\})$	87380
12	$\mathcal{O}(0; \{3^5, 4, 6^{14}, 12\})$	699052
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^{14}, 12\})$	349520
12	$\mathcal{O}(0; \{2^5, 4, 6^{15}, 12\})$	43692
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^{15}, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 4^3, 6^{15}, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{16}, 12\})$	174764
12	$\mathcal{O}(0; \{4, 6^{18}, 12\})$	349524
12	$\mathcal{O}(0; \{2^{27}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{23}, 3^5, 12^2\})$	84

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{19}, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{15}, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^7, 3^{17}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 3^{20}, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4^2, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4^2, 12^2\})$	1398096
12	$\mathcal{O}(0; \{3^{20}, 4^2, 12^2\})$	11184816
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^4, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{2, 3^{17}, 4^4, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^8, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^8, 4^8, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^8, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^8, 3^5, 4^{10}, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^8, 4^{10}, 12^2\})$	700416
12	$\mathcal{O}(0; \{3^{11}, 4^{10}, 12^2\})$	5591040
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{12}, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{12}, 12^2\})$	344064
12	$\mathcal{O}(0; \{2, 3^8, 4^{12}, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{14}, 12^2\})$	196608
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{14}, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{16}, 12^2\})$	786432
12	$\mathcal{O}(0; \{3^2, 4^{18}, 12^2\})$	3145728
12	$\mathcal{O}(0; \{2^{28}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{20}, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{16}, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^{12}, 6, 12^2\})$	21844

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^{15}, 6, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 3^{18}, 6, 12^2\})$	1398100
12	$\mathcal{O}(0; \{3^{21}, 6, 12^2\})$	11184812
12	$\mathcal{O}(0; \{2^{25}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4^2, 6, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4^2, 6, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 3^{18}, 4^2, 6, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{22}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^4, 6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^4, 6, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^4, 6, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{19}, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^6, 6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^9, 4^6, 6, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^6, 6, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{16}, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^6, 4^8, 6, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^9, 4^8, 6, 12^2\})$	699392
12	$\mathcal{O}(0; \{3^{12}, 4^8, 6, 12^2\})$	5592064
12	$\mathcal{O}(0; \{2^{13}, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^3, 4^{10}, 6, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^6, 4^{10}, 6, 12^2\})$	348160
12	$\mathcal{O}(0; \{2, 3^9, 4^{10}, 6, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 4^{12}, 6, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{12}, 6, 12^2\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{12}, 6, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^7, 4^{14}, 6, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{14}, 6, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^4, 4^{16}, 6, 12^2\})$	262144
12	$\mathcal{O}(0; \{3^3, 4^{16}, 6, 12^2\})$	2883584
12	$\mathcal{O}(0; \{2, 4^{18}, 6, 12^2\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{21}, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{17}, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^{13}, 6^2, 12^2\})$	87380

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{16}, 6^2, 12^2\})$	699052
12	$\mathcal{O}(0; \{2, 3^{19}, 6^2, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{22}, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^2, 6^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^2, 6^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^2, 6^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^4, 6^2, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^4, 6^2, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^4, 6^2, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^7, 4^6, 6^2, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^6, 6^2, 12^2\})$	699136
12	$\mathcal{O}(0; \{3^{13}, 4^6, 6^2, 12^2\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^4, 4^8, 6^2, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^7, 4^8, 6^2, 12^2\})$	349184
12	$\mathcal{O}(0; \{2, 3^{10}, 4^8, 6^2, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{10}, 6^2, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{10}, 6^2, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{10}, 6^2, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3, 4^{12}, 6^2, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{12}, 6^2, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^4, 3, 4^{14}, 6^2, 12^2\})$	327680
12	$\mathcal{O}(0; \{3^4, 4^{14}, 6^2, 12^2\})$	2818048
12	$\mathcal{O}(0; \{2, 3, 4^{16}, 6^2, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{22}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^3, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{14}, 6^3, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{17}, 6^3, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 6^3, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 6^3, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 6^3, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 6^3, 12^2\})$	10944

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 6^3, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 6^3, 12^2\})$	699072
12	$\mathcal{O}(0; \{3^{14}, 4^4, 6^3, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 6^3, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 6^3, 12^2\})$	349440
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 6^3, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 6^3, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 6^3, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 6^3, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 6^3, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 6^3, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 6^3, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^5, 4^{12}, 6^3, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 6^3, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^{23}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^9, 6^4, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{12}, 6^4, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{15}, 6^4, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6^4, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6^4, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6^4, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6^4, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6^4, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6^4, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6^4, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6^4, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6^4, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6^4, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6^4, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6^4, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6^4, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6^4, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6^4, 12^2\})$	180224

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6^4, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6^4, 12^2\})$	720896
12	$\mathcal{O}(0; \{2^{20}, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{10}, 6^5, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{13}, 6^5, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{16}, 6^5, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^5, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^5, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^5, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^5, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^5, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^5, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^5, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^5, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^5, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^5, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^5, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^7, 4^8, 6^5, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^5, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^5, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^5, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{17}, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^8, 6^6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{11}, 6^6, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{14}, 6^6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^6, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^8, 4^6, 6^6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^6, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^6, 12^2\})$	1397760

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^6, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{18}, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6^7, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^9, 6^7, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6^7, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^7, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^7, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^7, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^7, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^7, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^9, 4^4, 6^7, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^9, 4^6, 6^7, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^7, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^7, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^6, 4^8, 6^7, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^7, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^7, 12^2\})$	348160
12	$\mathcal{O}(0; \{4^{12}, 6^7, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^{15}, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^8, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^7, 6^8, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^8, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^8, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^8, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^8, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^8, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^8, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^8, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^8, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^8, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{3, 4^{10}, 6^8, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^5, 6^9, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^8, 6^9, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{11}, 6^9, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^9, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^9, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^9, 12^2\})$	1398096

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^9, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^9, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^9, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^2, 4^8, 6^9, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{13}, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^3, 6^{10}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^6, 6^{10}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^9, 6^{10}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^{10}, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^{10}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^{10}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^7, 4^4, 6^{10}, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^{10}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^4, 4^6, 6^{10}, 12^2\})$	174848
12	$\mathcal{O}(0; \{3^3, 4^6, 6^{10}, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2, 4^8, 6^{10}, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{10}, 3, 6^{11}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^4, 6^{11}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^7, 6^{11}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^{11}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^{11}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^{11}, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^4, 4^4, 6^{11}, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^{11}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^7, 3^2, 6^{12}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^5, 6^{12}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^{12}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^5, 4^2, 6^{12}, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^{12}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^8, 6^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^3, 6^{13}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^6, 6^{13}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{13}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{13}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{13}, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^5, 3, 6^{14}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^4, 6^{14}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{14}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^2, 6^{15}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 6^{16}, 12^2\})$	174764
12	$\mathcal{O}(0; \{4^2, 6^{16}, 12^2\})$	699056
12	$\mathcal{O}(0; \{3, 6^{17}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{25}, 3, 4, 12^3\})$	48

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{21}, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{17}, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^{13}, 4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{16}, 4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{19}, 4, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{22}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^3, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{19}, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^5, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^5, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{16}, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^7, 4^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{3^{13}, 4^7, 12^3\})$	11185152
12	$\mathcal{O}(0; \{2^{13}, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^9, 3^4, 4^9, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^7, 4^9, 12^3\})$	700416
12	$\mathcal{O}(0; \{2, 3^{10}, 4^9, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{11}, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{11}, 12^3\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{11}, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^7, 3, 4^{13}, 12^3\})$	196608
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{13}, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^4, 3, 4^{15}, 12^3\})$	786432
12	$\mathcal{O}(0; \{3^4, 4^{15}, 12^3\})$	5505024
12	$\mathcal{O}(0; \{2, 3, 4^{17}, 12^3\})$	3145728
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4, 6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4, 6, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4, 6, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^3, 6, 12^3\})$	43712

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^3, 6, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^3, 6, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^5, 6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^8, 4^5, 6, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^5, 6, 12^3\})$	1398016
12	$\mathcal{O}(0; \{3^{14}, 4^5, 6, 12^3\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^5, 4^7, 6, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^8, 4^7, 6, 12^3\})$	699392
12	$\mathcal{O}(0; \{2, 3^{11}, 4^7, 6, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^9, 6, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^5, 4^9, 6, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^8, 4^9, 6, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{11}, 6, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{11}, 6, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{13}, 6, 12^3\})$	720896
12	$\mathcal{O}(0; \{3^5, 4^{13}, 6, 12^3\})$	5570560
12	$\mathcal{O}(0; \{2, 3^2, 4^{15}, 6, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^{23}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4, 6^2, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4, 6^2, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4, 6^2, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{20}, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^9, 4^3, 6^2, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^3, 6^2, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3^{15}, 4^3, 6^2, 12^3\})$	11184832
12	$\mathcal{O}(0; \{2^{17}, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^6, 4^5, 6^2, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^9, 4^5, 6^2, 12^3\})$	699136
12	$\mathcal{O}(0; \{2, 3^{12}, 4^5, 6^2, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{14}, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^7, 6^2, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^6, 4^7, 6^2, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^9, 4^7, 6^2, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 4^9, 6^2, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^3, 4^9, 6^2, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^6, 4^9, 6^2, 12^3\})$	1396736

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4^{11}, 6^2, 12^3\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{11}, 6^2, 12^3\})$	704512
12	$\mathcal{O}(0; \{3^6, 4^{11}, 6^2, 12^3\})$	5586944
12	$\mathcal{O}(0; \{2^5, 4^{13}, 6^2, 12^3\})$	327680
12	$\mathcal{O}(0; \{2, 3^3, 4^{13}, 6^2, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^2, 4^{15}, 6^2, 12^3\})$	1310720
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 6^3, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 6^3, 12^3\})$	1398096
12	$\mathcal{O}(0; \{3^{16}, 4, 6^3, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 6^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 6^3, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 6^3, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 6^3, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 6^3, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 6^3, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 6^3, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 6^3, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 6^3, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 6^3, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 6^3, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^7, 4^9, 6^3, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 6^3, 12^3\})$	344064
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 6^3, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 6^3, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6^4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6^4, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6^4, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6^4, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6^4, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6^4, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6^4, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6^4, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6^4, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6^4, 12^3\})$	87040

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6^4, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^8, 4^7, 6^4, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6^4, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6^4, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6^4, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{18}, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^5, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^5, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^5, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^5, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^5, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^5, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^9, 4^5, 6^5, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^9, 4^7, 6^5, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^5, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^5, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^6, 4^9, 6^5, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^5, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^5, 12^3\})$	704512
12	$\mathcal{O}(0; \{4^{13}, 6^5, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^6, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^6, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^6, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^6, 12^3\})$	700416
12	$\mathcal{O}(0; \{3, 4^{11}, 6^6, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^7, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^7, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^7, 12^3\})$	699056

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{11}, 4, 6^7, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^7, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^7, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^7, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^7, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^7, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^7, 12^3\})$	699392
12	$\mathcal{O}(0; \{3^2, 4^9, 6^7, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^{13}, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^8, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^8, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^8, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^8, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^8, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^8, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^7, 4^5, 6^8, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^8, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^4, 4^7, 6^8, 12^3\})$	349184
12	$\mathcal{O}(0; \{3^3, 4^7, 6^8, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2, 4^9, 6^8, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^9, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^9, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^9, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^9, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^9, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^9, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^4, 4^5, 6^9, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^9, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^{10}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^{10}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^{10}, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^5, 4^3, 6^{10}, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^{10}, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^8, 4, 6^{11}, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^{11}, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^6, 4, 6^{11}, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^5, 4^3, 6^{11}, 12^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^{11}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^2, 4^5, 6^{11}, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^{12}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^{12}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^{12}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{13}, 12^3\})$	699056

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4, 6^{14}, 12^3\})$	349520
12	$\mathcal{O}(0; \{4^3, 6^{14}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3, 4, 6^{15}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{26}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{22}, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{18}, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{14}, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^6, 3^{15}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3^{18}, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{23}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^2, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^2, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{20}, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^9, 4^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{3^{15}, 4^4, 12^4\})$	22369536
12	$\mathcal{O}(0; \{2^{17}, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^6, 4^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^9, 4^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2, 3^{12}, 4^6, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^{14}, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^8, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^6, 4^8, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^9, 4^8, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^{11}, 4^{10}, 12^4\})$	49152
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{10}, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{10}, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^8, 4^{12}, 12^4\})$	196608
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{12}, 12^4\})$	1376256
12	$\mathcal{O}(0; \{3^6, 4^{12}, 12^4\})$	11206656
12	$\mathcal{O}(0; \{2^5, 4^{14}, 12^4\})$	786432
12	$\mathcal{O}(0; \{2, 3^3, 4^{14}, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2^2, 4^{16}, 12^4\})$	3145728
12	$\mathcal{O}(0; \{2^{23}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{19}, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{15}, 3^7, 6, 12^4\})$	10928

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^7, 3^{13}, 6, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^{16}, 6, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{20}, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^2, 6, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^2, 6, 12^4\})$	2796224
12	$\mathcal{O}(0; \{3^{16}, 4^2, 6, 12^4\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^7, 4^4, 6, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^4, 6, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{13}, 4^4, 6, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^6, 6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^7, 4^6, 6, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^6, 6, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 3, 4^8, 6, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^4, 4^8, 6, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^7, 4^8, 6, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3, 4^{10}, 6, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{10}, 6, 12^4\})$	1392640
12	$\mathcal{O}(0; \{3^7, 4^{10}, 6, 12^4\})$	11190272
12	$\mathcal{O}(0; \{2^5, 3, 4^{12}, 6, 12^4\})$	720896
12	$\mathcal{O}(0; \{2, 3^4, 4^{12}, 6, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^2, 3, 4^{14}, 6, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{20}, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{16}, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^8, 3^{11}, 6^2, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^{14}, 6^2, 12^4\})$	2796208
12	$\mathcal{O}(0; \{3^{17}, 6^2, 12^4\})$	22369616
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 6^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 6^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 6^2, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 6^2, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 6^2, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 6^2, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 6^2, 12^4\})$	44032

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 6^2, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 6^2, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 6^2, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 6^2, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3^8, 4^8, 6^2, 12^4\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 6^2, 12^4\})$	704512
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 6^2, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 6^2, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{21}, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{17}, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^6, 6^3, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^9, 6^3, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{12}, 6^3, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{15}, 6^3, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6^3, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6^3, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6^3, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6^3, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6^3, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6^3, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6^3, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6^3, 12^4\})$	1397760
12	$\mathcal{O}(0; \{3^9, 4^6, 6^3, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^9, 4^8, 6^3, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6^3, 12^4\})$	700416
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6^3, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6^3, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6^3, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6^3, 12^4\})$	1376256
12	$\mathcal{O}(0; \{4^{14}, 6^3, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2^{18}, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6^4, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6^4, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6^4, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^4, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^4, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^4, 12^4\})$	2796224

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^4, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^4, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^4, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^4, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^4, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^4, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^4, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^4, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^4, 12^4\})$	1392640
12	$\mathcal{O}(0; \{3, 4^{12}, 6^4, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^5, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^8, 6^5, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^5, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^5, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^5, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^5, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^5, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^5, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^5, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^5, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^5, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^5, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^5, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^5, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^{16}, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^6, 6^6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^9, 6^6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{12}, 6^6, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^6, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^6, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^7, 4^6, 6^6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^4, 4^8, 6^6, 12^4\})$	700416
12	$\mathcal{O}(0; \{3^3, 4^8, 6^6, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2, 4^{10}, 6^6, 12^4\})$	2801664

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^4, 6^7, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^7, 6^7, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^{10}, 6^7, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^7, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^7, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^7, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^7, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^7, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^7, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^4, 4^6, 6^7, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^7, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^8, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^5, 6^8, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^8, 6^8, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^8, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^8, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^8, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^5, 4^4, 6^8, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^8, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^{11}, 6^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^3, 6^9, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^6, 6^9, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^8, 4^2, 6^9, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^9, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^6, 4^2, 6^9, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^5, 4^4, 6^9, 12^4\})$	349440
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^9, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^2, 4^6, 6^9, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2^8, 3, 6^{10}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^4, 6^{10}, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^7, 6^{10}, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^{10}, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^{10}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^{10}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^2, 6^{11}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^5, 6^{11}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^{11}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^6, 6^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^3, 6^{12}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{12}, 12^4\})$	699072
12	$\mathcal{O}(0; \{4^4, 6^{12}, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3, 6^{13}, 12^4\})$	699056

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^2, 6^{13}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{3^2, 6^{14}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2, 6^{15}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{3^{17}, 4, 12^5\})$	44739264
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^8, 4^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{14}, 4^3, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^8, 4^5, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^5, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^7, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^5, 4^7, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^8, 4^7, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^8, 3^2, 4^9, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^5, 4^9, 12^5\})$	2801664
12	$\mathcal{O}(0; \{3^8, 4^9, 12^5\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{11}, 12^5\})$	1376256
12	$\mathcal{O}(0; \{2, 3^5, 4^{11}, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{13}, 12^5\})$	5505024
12	$\mathcal{O}(0; \{2^{21}, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^9, 4, 6, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4, 6, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{15}, 4, 6, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{18}, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^3, 6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^9, 4^3, 6, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^3, 6, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{15}, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^5, 6, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^6, 4^5, 6, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^9, 4^5, 6, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^{12}, 4^7, 6, 12^5\})$	45056

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^3, 4^7, 6, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^6, 4^7, 6, 12^5\})$	2797568
12	$\mathcal{O}(0; \{3^9, 4^7, 6, 12^5\})$	22368256
12	$\mathcal{O}(0; \{2^9, 4^9, 6, 12^5\})$	180224
12	$\mathcal{O}(0; \{2^5, 3^3, 4^9, 6, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2, 3^6, 4^9, 6, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^6, 4^{11}, 6, 12^5\})$	720896
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{11}, 6, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^3, 4^{13}, 6, 12^5\})$	2883584
12	$\mathcal{O}(0; \{4^{15}, 6, 12^5\})$	11534336
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 6^2, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 6^2, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 6^2, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 6^2, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 6^2, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 6^2, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 6^2, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 6^2, 12^5\})$	2796544
12	$\mathcal{O}(0; \{3^{10}, 4^5, 6^2, 12^5\})$	22369280
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 6^2, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 6^2, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 6^2, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 6^2, 12^5\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 6^2, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 6^2, 12^5\})$	2818048
12	$\mathcal{O}(0; \{3, 4^{13}, 6^2, 12^5\})$	11272192
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6^3, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6^3, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6^3, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6^3, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6^3, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6^3, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6^3, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6^3, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6^3, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6^3, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6^3, 12^5\})$	5591040

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6^3, 12^5\})$	2801664
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6^3, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2^{16}, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^4, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^4, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{12}, 4, 6^4, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^4, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^4, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^4, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^4, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^4, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^4, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^7, 4^7, 6^4, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^4, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^4, 4^9, 6^4, 12^5\})$	1392640
12	$\mathcal{O}(0; \{3^3, 4^9, 6^4, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2, 4^{11}, 6^4, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^5, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^5, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^5, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^5, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^5, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^5, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^5, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^4, 4^7, 6^5, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^5, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^6, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^5, 4^5, 6^6, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^{11}, 4, 6^7, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^7, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^7, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^8, 4^3, 6^7, 12^5\})$	174848

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^7, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^6, 4^3, 6^7, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^5, 4^5, 6^7, 12^5\})$	699392
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^7, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^2, 4^7, 6^7, 12^5\})$	2797568
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^8, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^8, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^7, 4, 6^8, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^8, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^8, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^8, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^9, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^9, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^9, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^6, 4, 6^{10}, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^{10}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^3, 4^3, 6^{10}, 12^5\})$	1398016
12	$\mathcal{O}(0; \{4^5, 6^{10}, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^{11}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3, 4^3, 6^{11}, 12^5\})$	5592320
12	$\mathcal{O}(0; \{3^2, 4, 6^{12}, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2, 4, 6^{13}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^{21}, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{17}, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{13}, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^9, 3^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^5, 3^{13}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 3^{16}, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{18}, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{15}, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{12}, 3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{3^{10}, 4^6, 12^6\})$	44740608
12	$\mathcal{O}(0; \{2^9, 3, 4^8, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8, 12^6\})$	2801664

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^7, 4^8, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2^6, 3, 4^{10}, 12^6\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^3, 3, 4^{12}, 12^6\})$	5505024
12	$\mathcal{O}(0; \{3, 4^{14}, 12^6\})$	22020096
12	$\mathcal{O}(0; \{2^{18}, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{14}, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^{10}, 3^8, 6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^6, 3^{11}, 6, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3^{14}, 6, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6, 12^6\})$	5592064
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6, 12^6\})$	44739584
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6, 12^6\})$	5570560
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6, 12^6\})$	22282240
12	$\mathcal{O}(0; \{2^{19}, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{15}, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 3^6, 6^2, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^9, 6^2, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^{12}, 6^2, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^2, 12^6\})$	44739328
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^2, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^2, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^2, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^2, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^2, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^2, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^7, 4^8, 6^2, 12^6\})$	704512

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^2, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^2, 12^6\})$	2818048
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^2, 12^6\})$	22347776
12	$\mathcal{O}(0; \{2, 4^{12}, 6^2, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{16}, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6^3, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^7, 6^3, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6^3, 12^6\})$	5592384
12	$\mathcal{O}(0; \{3^{13}, 6^3, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^3, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^3, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^3, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^3, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^3, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^3, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^3, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^3, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^3, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^4, 4^8, 6^3, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^3, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^5, 6^4, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^8, 6^4, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{11}, 6^4, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^4, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^4, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^4, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^4, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^4, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^4, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^5, 4^6, 6^4, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^4, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^{14}, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^5, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^6, 6^5, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^9, 6^5, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^5, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^5, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^5, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^8, 4^4, 6^5, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^5, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^6, 4^4, 6^5, 12^6\})$	22369280

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 4^6, 6^5, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^5, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^2, 4^8, 6^5, 12^6\})$	5586944
12	$\mathcal{O}(0; \{2^{11}, 3, 6^6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^4, 6^6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^7, 6^6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^7, 4^2, 6^6, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^6, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^8, 3^2, 6^7, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^5, 6^7, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^8, 6^7, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^7, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^7, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^7, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^9, 6^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^3, 6^8, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^6, 6^8, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^6, 4^2, 6^8, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^8, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^3, 4^4, 6^8, 12^6\})$	2796544
12	$\mathcal{O}(0; \{4^6, 6^8, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^6, 3, 6^9, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^4, 6^9, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^9, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3, 4^4, 6^9, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3^2, 6^{10}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{10}, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^4, 6^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{3^3, 6^{11}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2, 4^2, 6^{11}, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 3, 6^{12}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{19}, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{16}, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 12^7\})$	1397760

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{3^{12}, 4^3, 12^7\})$	89478144
12	$\mathcal{O}(0; \{2^{13}, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^{10}, 4^7, 12^7\})$	344064
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^7, 4^9, 12^7\})$	1376256
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^4, 4^{11}, 12^7\})$	5505024
12	$\mathcal{O}(0; \{3^3, 4^{11}, 12^7\})$	44826624
12	$\mathcal{O}(0; \{2, 4^{13}, 12^7\})$	22020096
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6, 12^7\})$	11184896
12	$\mathcal{O}(0; \{3^{13}, 4, 6, 12^7\})$	89478400
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6, 12^7\})$	5570560
12	$\mathcal{O}(0; \{3^4, 4^9, 6, 12^7\})$	44761088
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^2, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^2, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^2, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^2, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^2, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^2, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^2, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^2, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^2, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3^5, 4^7, 6^2, 12^7\})$	44744704
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^2, 12^7\})$	22347776

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^3, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^3, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^3, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^3, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^3, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^8, 4^5, 6^3, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^3, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^6, 4^5, 6^3, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^5, 4^7, 6^3, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^3, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^2, 4^9, 6^3, 12^7\})$	11206656
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^4, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^4, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^4, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^4, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^7, 4^3, 6^4, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^4, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^4, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^4, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^5, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^5, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^8, 4, 6^5, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^5, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^5, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^9, 4, 6^6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^6, 4^3, 6^6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^3, 4^5, 6^6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{4^7, 6^6, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^7, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^7, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^7, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3, 4^5, 6^7, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^8, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^2, 4^3, 6^8, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^4, 4, 6^9, 12^7\})$	2796288
12	$\mathcal{O}(0; \{3^3, 4, 6^9, 12^7\})$	22369536

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^3, 6^9, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2, 3, 4, 6^{10}, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{16}, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{12}, 3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^8, 3^8, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3^{11}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{3^{14}, 12^8\})$	178957056
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 12^8\})$	11206656
12	$\mathcal{O}(0; \{3^5, 4^8, 12^8\})$	89456640
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 12^8\})$	44826624
12	$\mathcal{O}(0; \{2^{17}, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^9, 3^6, 6, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^9, 6, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2, 3^{12}, 6, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^8, 4^6, 6, 12^8\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6, 12^8\})$	11190272
12	$\mathcal{O}(0; \{3^6, 4^6, 6, 12^8\})$	89473024
12	$\mathcal{O}(0; \{2^5, 4^8, 6, 12^8\})$	5570560
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6, 12^8\})$	22282240
12	$\mathcal{O}(0; \{2^{14}, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^2, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^7, 6^2, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^2, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^2, 12^8\})$	2796544

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^2, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^2, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3^7, 4^4, 6^2, 12^8\})$	89477120
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^2, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^2, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^2, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^3, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^5, 6^3, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^8, 6^3, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^3, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^3, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^8, 4^2, 6^3, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^3, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^3, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^3, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^{12}, 6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^3, 6^4, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^6, 6^4, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^9, 6^4, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^9, 4^2, 6^4, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^4, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^4, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^6, 4^4, 6^4, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^4, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^3, 4^6, 6^4, 12^8\})$	11190272
12	$\mathcal{O}(0; \{4^8, 6^4, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^9, 3, 6^5, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^4, 6^5, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^7, 6^5, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^5, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^5, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^5, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3, 4^6, 6^5, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^6, 3^2, 6^6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^5, 6^6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^2, 4^4, 6^6, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^7, 6^7, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^3, 6^7, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^4, 4^2, 6^7, 12^8\})$	5592064
12	$\mathcal{O}(0; \{3^3, 4^2, 6^7, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2, 4^4, 6^7, 12^8\})$	22368256

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3, 6^8, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^4, 6^8, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^8, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2, 3^2, 6^9, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^2, 6^{10}, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 12^9\})$	22364160
12	$\mathcal{O}(0; \{3^7, 4^5, 12^9\})$	178962432
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 12^9\})$	11206656
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6, 12^9\})$	2797568
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3^8, 4^3, 6, 12^9\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^{12}, 4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^2, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^2, 12^9\})$	22369280
12	$\mathcal{O}(0; \{3^9, 4, 6^2, 12^9\})$	178957312
12	$\mathcal{O}(0; \{2^9, 4^3, 6^2, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^2, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^2, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^6, 4^5, 6^2, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^2, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^3, 4^7, 6^2, 12^9\})$	22347776
12	$\mathcal{O}(0; \{4^9, 6^2, 12^9\})$	89391104
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^3, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^3, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^3, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^3, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^3, 12^9\})$	44740608

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^3, 12^9\})$	22364160
12	$\mathcal{O}(0; \{3, 4^7, 6^3, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^4, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^4, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^4, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3^2, 4^5, 6^4, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^7, 4, 6^5, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^5, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^4, 4^3, 6^5, 12^9\})$	11186176
12	$\mathcal{O}(0; \{3^3, 4^3, 6^5, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2, 4^5, 6^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^4, 4, 6^6, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^7, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^2, 4, 6^8, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2^{15}, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3^9, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^{12}, 4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{3^9, 4^2, 12^{10}\})$	357912576
12	$\mathcal{O}(0; \{2^9, 4^4, 12^{10}\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2^6, 4^6, 12^{10}\})$	11206656
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^3, 4^8, 12^{10}\})$	44826624
12	$\mathcal{O}(0; \{4^{10}, 12^{10}\})$	179306496
12	$\mathcal{O}(0; \{2^{12}, 3, 6, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^4, 6, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^7, 6, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{3^{10}, 6, 12^{10}\})$	357913600
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{3, 4^8, 6, 12^{10}\})$	179044352
12	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 12^{10}\})$	2796544

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2, 3^8, 6^2, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^2, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{3^2, 4^6, 6^2, 12^{10}\})$	178978816
12	$\mathcal{O}(0; \{2^{10}, 6^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^7, 4^2, 6^3, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^3, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^4, 4^4, 6^3, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{3^3, 4^4, 6^3, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2, 4^6, 6^3, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^7, 3, 6^4, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^4, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^4, 4^2, 6^4, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^4, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^5, 6^5, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^5, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^5, 6^6, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2, 3^3, 6^6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^2, 4^2, 6^6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3, 6^7, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{6^9, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^8, 4, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{3^2, 4^7, 12^{11}\})$	357826560
12	$\mathcal{O}(0; \{2^{10}, 4, 6, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^7, 4^3, 6, 12^{11}\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 4^5, 6, 12^{11}\})$	44761088
12	$\mathcal{O}(0; \{3^3, 4^5, 6, 12^{11}\})$	357892096
12	$\mathcal{O}(0; \{2, 4^7, 6, 12^{11}\})$	179044352
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^2, 12^{11}\})$	11186176

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^2, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^2, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3^4, 4^3, 6^2, 12^{11}\})$	357908480
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^2, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^3, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^5, 4, 6^3, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^3, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^5, 4, 6^4, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^4, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 4^3, 6^4, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^5, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{4, 6^7, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^{10}, 3, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^7, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{3^4, 4^4, 12^{12}\})$	715849728
12	$\mathcal{O}(0; \{2, 3, 4^6, 12^{12}\})$	357826560
12	$\mathcal{O}(0; \{2^7, 3^2, 6, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^5, 6, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{3^5, 4^2, 6, 12^{12}\})$	715833344
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^8, 6^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{3^6, 6^2, 12^{12}\})$	715829248
12	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{2^5, 3, 6^3, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^4, 6^3, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^3, 6^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{4^2, 6^5, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{3, 6^6, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^8, 4, 12^{13}\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{3^6, 4, 12^{13}\})$	1431650304
12	$\mathcal{O}(0; \{2^5, 4^3, 12^{13}\})$	89456640
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 12^{13}\})$	715849728

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 4^5, 12^{13}\})$	357826560
12	$\mathcal{O}(0; \{2^5, 3, 4, 6, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^4, 4, 6, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 4, 6^3, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{4^3, 6^3, 12^{13}\})$	715849728
12	$\mathcal{O}(0; \{3, 4, 6^4, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2^5, 3^2, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^5, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2^6, 6, 12^{14}\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3^3, 6, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^3, 4^2, 6, 12^{14}\})$	357892096
12	$\mathcal{O}(0; \{4^4, 6, 12^{14}\})$	1431568384
12	$\mathcal{O}(0; \{2^3, 3, 6^2, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{3, 4^2, 6^2, 12^{14}\})$	1431633920
12	$\mathcal{O}(0; \{3^2, 6^3, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2, 6^4, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^3, 3, 4, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{3, 4^3, 12^{15}\})$	2863398912
12	$\mathcal{O}(0; \{3^2, 4, 6, 12^{15}\})$	2863333376
12	$\mathcal{O}(0; \{2, 4, 6^2, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2^4, 12^{16}\})$	715849728
12	$\mathcal{O}(0; \{3^3, 12^{16}\})$	5726601216
12	$\mathcal{O}(0; \{2, 4^2, 12^{16}\})$	2863398912
12	$\mathcal{O}(0; \{2, 3, 6, 12^{16}\})$	2863333376
13	$\mathcal{O}(5; \{13^6\})$	31664992709780508
14	$\mathcal{O}(6; \{7^3\})$	1700402132642850
14	$\mathcal{O}(5; \{2^4, 7^3\})$	8677639649280
14	$\mathcal{O}(5; \{2^2, 7^2, 14^2\})$	53801365825536
14	$\mathcal{O}(5; \{7, 14^4\})$	321072667023360
14	$\mathcal{O}(4; \{2^8, 7^3\})$	44273671680
14	$\mathcal{O}(4; \{2, 7^6, 14\})$	59016804349440
14	$\mathcal{O}(4; \{2^6, 7^2, 14^2\})$	274496764416
14	$\mathcal{O}(4; \{2^4, 7, 14^4\})$	1638125852160
14	$\mathcal{O}(4; \{2^2, 14^6\})$	9837609847296
14	$\mathcal{O}(3; \{2^{12}, 7^3\})$	225886080
14	$\mathcal{O}(3; \{7^{10}\})$	64024072615062
14	$\mathcal{O}(3; \{2^5, 7^6, 14\})$	301106144640
14	$\mathcal{O}(3; \{2^{10}, 7^2, 14^2\})$	1400493696
14	$\mathcal{O}(3; \{2^3, 7^5, 14^3\})$	1806682045056
14	$\mathcal{O}(3; \{2^8, 7, 14^4\})$	8357784960

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(3; \{2, 7^4, 14^5\})$	10840047093120
14	$\mathcal{O}(3; \{2^6, 14^6\})$	50191886976
14	$\mathcal{O}(2; \{2^{16}, 7^3\})$	1152480
14	$\mathcal{O}(2; \{2^4, 7^{10}\})$	331838406816
14	$\mathcal{O}(2; \{2^9, 7^6, 14\})$	1536255840
14	$\mathcal{O}(2; \{2^{14}, 7^2, 14^2\})$	7145376
14	$\mathcal{O}(2; \{2^2, 7^9, 14^2\})$	1991030210400
14	$\mathcal{O}(2; \{2^7, 7^5, 14^3\})$	9217765536
14	$\mathcal{O}(2; \{2^{12}, 7, 14^4\})$	42641760
14	$\mathcal{O}(2; \{7^8, 14^4\})$	11946181492896
14	$\mathcal{O}(2; \{2^5, 7^4, 14^5\})$	55306362720
14	$\mathcal{O}(2; \{2^{10}, 14^6\})$	256081056
14	$\mathcal{O}(2; \{2^3, 7^3, 14^7\})$	331838406816
14	$\mathcal{O}(2; \{2, 7^2, 14^9\})$	1991030210400
14	$\mathcal{O}(1; \{2^{20}, 7^3\})$	5880
14	$\mathcal{O}(1; \{2^8, 7^{10}\})$	1693053096
14	$\mathcal{O}(1; \{2^{13}, 7^6, 14\})$	7838040
14	$\mathcal{O}(1; \{2, 7^{13}, 14\})$	2194196594856
14	$\mathcal{O}(1; \{2^{18}, 7^2, 14^2\})$	36456
14	$\mathcal{O}(1; \{2^6, 7^9, 14^2\})$	10158317400
14	$\mathcal{O}(1; \{2^{11}, 7^5, 14^3\})$	47029416
14	$\mathcal{O}(1; \{2^{16}, 7, 14^4\})$	217560
14	$\mathcal{O}(1; \{2^4, 7^8, 14^4\})$	60949905576
14	$\mathcal{O}(1; \{2^9, 7^4, 14^5\})$	282175320
14	$\mathcal{O}(1; \{2^{14}, 14^6\})$	1306536
14	$\mathcal{O}(1; \{2^2, 7^7, 14^6\})$	365699432280
14	$\mathcal{O}(1; \{2^7, 7^3, 14^7\})$	1693053096
14	$\mathcal{O}(1; \{7^6, 14^8\})$	2194196594856
14	$\mathcal{O}(1; \{2^5, 7^2, 14^9\})$	10158317400
14	$\mathcal{O}(1; \{2^3, 7, 14^{11}\})$	60949905576
14	$\mathcal{O}(1; \{2, 14^{13}\})$	365699432280
14	$\mathcal{O}(0; \{2^{24}, 7^3\})$	30
14	$\mathcal{O}(0; \{2^{12}, 7^{10}\})$	8638026
14	$\mathcal{O}(0; \{2^{17}, 7^6, 14\})$	39990
14	$\mathcal{O}(0; \{2^5, 7^{13}, 14\})$	11194880586
14	$\mathcal{O}(0; \{2^{22}, 7^2, 14^2\})$	186
14	$\mathcal{O}(0; \{2^{10}, 7^9, 14^2\})$	51828150
14	$\mathcal{O}(0; \{2^{15}, 7^5, 14^3\})$	239946
14	$\mathcal{O}(0; \{2^3, 7^{12}, 14^3\})$	67169283510
14	$\mathcal{O}(0; \{2^{20}, 7, 14^4\})$	1110
14	$\mathcal{O}(0; \{2^8, 7^8, 14^4\})$	310968906
14	$\mathcal{O}(0; \{2^{13}, 7^4, 14^5\})$	1439670
14	$\mathcal{O}(0; \{2, 7^{11}, 14^5\})$	403015701066

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^{18}, 14^6\})$	6666
14	$\mathcal{O}(0; \{2^6, 7^7, 14^6\})$	1865813430
14	$\mathcal{O}(0; \{2^{11}, 7^3, 14^7\})$	8638026
14	$\mathcal{O}(0; \{2^4, 7^6, 14^8\})$	11194880586
14	$\mathcal{O}(0; \{2^9, 7^2, 14^9\})$	51828150
14	$\mathcal{O}(0; \{2^2, 7^5, 14^{10}\})$	67169283510
14	$\mathcal{O}(0; \{2^7, 7, 14^{11}\})$	310968906
14	$\mathcal{O}(0; \{7^4, 14^{12}\})$	403015701066
14	$\mathcal{O}(0; \{2^5, 14^{13}\})$	1865813430
15	$\mathcal{O}(5; \{3^2, 5^3\})$	13839609375000
15	$\mathcal{O}(5; \{3^3, 5, 15\})$	13839609375000
15	$\mathcal{O}(5; \{15^4\})$	179914921875000
15	$\mathcal{O}(4; \{3^5, 5^3\})$	307546875000
15	$\mathcal{O}(4; \{3^6, 5, 15\})$	430565625000
15	$\mathcal{O}(4; \{3, 5^4, 15^2\})$	4203140625000
15	$\mathcal{O}(4; \{3^2, 5^2, 15^3\})$	5228296875000
15	$\mathcal{O}(4; \{3^3, 15^4\})$	5597353125000
15	$\mathcal{O}(3; \{3^8, 5^3\})$	11755125000
15	$\mathcal{O}(3; \{3^2, 5^8\})$	298616625000
15	$\mathcal{O}(3; \{3^9, 5, 15\})$	15582375000
15	$\mathcal{O}(3; \{3^3, 5^6, 15\})$	223894125000
15	$\mathcal{O}(3; \{3^4, 5^4, 15^2\})$	205486875000
15	$\mathcal{O}(3; \{3^5, 5^2, 15^3\})$	199837125000
15	$\mathcal{O}(3; \{3^6, 15^4\})$	202570875000
15	$\mathcal{O}(3; \{5^5, 15^4\})$	3583126125000
15	$\mathcal{O}(3; \{3, 5^3, 15^5\})$	3284782875000
15	$\mathcal{O}(3; \{3^2, 5, 15^6\})$	3209149125000
15	$\mathcal{O}(2; \{3^{11}, 5^3\})$	414315000
15	$\mathcal{O}(2; \{3^5, 5^8\})$	6635925000
15	$\mathcal{O}(2; \{3^{12}, 5, 15\})$	552825000
15	$\mathcal{O}(2; \{3^6, 5^6, 15\})$	6965595000
15	$\mathcal{O}(2; \{3^7, 5^4, 15^2\})$	7057125000
15	$\mathcal{O}(2; \{3, 5^9, 15^2\})$	84934575000
15	$\mathcal{O}(2; \{3^8, 5^2, 15^3\})$	7043355000
15	$\mathcal{O}(2; \{3^2, 5^7, 15^3\})$	106168725000
15	$\mathcal{O}(2; \{3^9, 15^4\})$	7186725000
15	$\mathcal{O}(2; \{3^3, 5^5, 15^4\})$	111475035000
15	$\mathcal{O}(2; \{3^4, 5^3, 15^5\})$	112810725000
15	$\mathcal{O}(2; \{3^5, 5, 15^6\})$	113107995000
15	$\mathcal{O}(2; \{5^4, 15^7\})$	1783626075000
15	$\mathcal{O}(2; \{3, 5^2, 15^8\})$	1804868325000
15	$\mathcal{O}(2; \{3^2, 15^9\})$	1810142235000
15	$\mathcal{O}(1; \{3^{14}, 5^3\})$	14747400

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^8, 5^8\})$	253639800
15	$\mathcal{O}(1; \{3^2, 5^{13}\})$	6039797400
15	$\mathcal{O}(1; \{3^{15}, 5, 15\})$	19661400
15	$\mathcal{O}(1; \{3^9, 5^6, 15\})$	252088200
15	$\mathcal{O}(1; \{3^3, 5^{11}, 15\})$	4529849400
15	$\mathcal{O}(1; \{3^{10}, 5^4, 15^2\})$	252027000
15	$\mathcal{O}(1; \{3^4, 5^9, 15^2\})$	4152357000
15	$\mathcal{O}(1; \{3^{11}, 5^2, 15^3\})$	250705800
15	$\mathcal{O}(1; \{3^5, 5^7, 15^3\})$	4058004600
15	$\mathcal{O}(1; \{3^{12}, 15^4\})$	255598200
15	$\mathcal{O}(1; \{3^6, 5^5, 15^4\})$	4034334600
15	$\mathcal{O}(1; \{5^{10}, 15^4\})$	72477574200
15	$\mathcal{O}(1; \{3^7, 5^3, 15^5\})$	4028743800
15	$\mathcal{O}(1; \{3, 5^8, 15^5\})$	66437771400
15	$\mathcal{O}(1; \{3^8, 5, 15^6\})$	4026040200
15	$\mathcal{O}(1; \{3^2, 5^6, 15^6\})$	64927841400
15	$\mathcal{O}(1; \{3^3, 5^4, 15^7\})$	64550277000
15	$\mathcal{O}(1; \{3^4, 5^2, 15^8\})$	64456212600
15	$\mathcal{O}(1; \{3^5, 15^9\})$	64431390600
15	$\mathcal{O}(1; \{5^3, 15^{10}\})$	1032805355400
15	$\mathcal{O}(1; \{3, 5, 15^{11}\})$	1031295713400
15	$\mathcal{O}(0; \{3^{17}, 5^3\})$	524280
15	$\mathcal{O}(0; \{3^{11}, 5^8\})$	8939656
15	$\mathcal{O}(0; \{3^5, 5^{13}\})$	134217720
15	$\mathcal{O}(0; \{3^{18}, 5, 15\})$	699048
15	$\mathcal{O}(0; \{3^{12}, 5^6, 15\})$	8943480
15	$\mathcal{O}(0; \{3^6, 5^{11}, 15\})$	140928648
15	$\mathcal{O}(0; \{3^{13}, 5^4, 15^2\})$	8956040
15	$\mathcal{O}(0; \{3^7, 5^9, 15^2\})$	142606200
15	$\mathcal{O}(0; \{3, 5^{14}, 15^2\})$	1717986920
15	$\mathcal{O}(0; \{3^{14}, 5^2, 15^3\})$	8912760
15	$\mathcal{O}(0; \{3^8, 5^7, 15^3\})$	143026312
15	$\mathcal{O}(0; \{3^2, 5^{12}, 15^3\})$	2147483640
15	$\mathcal{O}(0; \{3^{15}, 15^4\})$	9087624
15	$\mathcal{O}(0; \{3^9, 5^5, 15^4\})$	143128440
15	$\mathcal{O}(0; \{3^3, 5^{10}, 15^4\})$	2254857864
15	$\mathcal{O}(0; \{3^{10}, 5^3, 15^5\})$	143165576
15	$\mathcal{O}(0; \{3^4, 5^8, 15^5\})$	2281701240
15	$\mathcal{O}(0; \{3^{11}, 5, 15^6\})$	143128440
15	$\mathcal{O}(0; \{3^5, 5^6, 15^6\})$	2288412808
15	$\mathcal{O}(0; \{3^6, 5^4, 15^7\})$	2290087800
15	$\mathcal{O}(0; \{5^9, 15^7\})$	36077725320
15	$\mathcal{O}(0; \{3^7, 5^2, 15^8\})$	2290518152

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3, 5^7, 15^8\})$	36507221880
15	$\mathcal{O}(0; \{3^8, 15^9\})$	2290579320
15	$\mathcal{O}(0; \{3^2, 5^5, 15^9\})$	36614596744
15	$\mathcal{O}(0; \{3^3, 5^3, 15^{10}\})$	36641437560
15	$\mathcal{O}(0; \{3^4, 5, 15^{11}\})$	36648159368
15	$\mathcal{O}(0; \{5^2, 15^{13}\})$	586263033720
15	$\mathcal{O}(0; \{3, 15^{14}\})$	586370418824
16	$\mathcal{O}(6; \{2^2\})$	281406257233920
16	$\mathcal{O}(5; \{2^6\})$	1098437885952
16	$\mathcal{O}(5; \{2^3, 4^2\})$	2196875771904
16	$\mathcal{O}(5; \{4^4\})$	8787503087616
16	$\mathcal{O}(5; \{2, 4, 8^2\})$	8787503087616
16	$\mathcal{O}(4; \{2^{10}\})$	4278190080
16	$\mathcal{O}(4; \{2^7, 4^2\})$	8556380160
16	$\mathcal{O}(4; \{2^4, 4^4\})$	34225520640
16	$\mathcal{O}(4; \{2, 4^6\})$	136902082560
16	$\mathcal{O}(4; \{2^5, 4, 8^2\})$	34225520640
16	$\mathcal{O}(4; \{2^2, 4^3, 8^2\})$	136902082560
16	$\mathcal{O}(4; \{2^3, 8^4\})$	273804165120
16	$\mathcal{O}(4; \{4^2, 8^4\})$	1095216660480
16	$\mathcal{O}(4; \{2^3, 4, 8, 16^2\})$	274877906944
16	$\mathcal{O}(4; \{4^3, 8, 16^2\})$	1099511627776
16	$\mathcal{O}(4; \{2, 8^3, 16^2\})$	2199023255552
16	$\mathcal{O}(4; \{2, 4, 16^4\})$	4398046511104
16	$\mathcal{O}(3; \{2^{14}\})$	16515072
16	$\mathcal{O}(3; \{2^{11}, 4^2\})$	33030144
16	$\mathcal{O}(3; \{2^8, 4^4\})$	132120576
16	$\mathcal{O}(3; \{2^5, 4^6\})$	528482304
16	$\mathcal{O}(3; \{2^2, 4^8\})$	2113929216
16	$\mathcal{O}(3; \{2^9, 4, 8^2\})$	132120576
16	$\mathcal{O}(3; \{2^6, 4^3, 8^2\})$	528482304
16	$\mathcal{O}(3; \{2^3, 4^5, 8^2\})$	2113929216
16	$\mathcal{O}(3; \{4^7, 8^2\})$	8455716864
16	$\mathcal{O}(3; \{2^7, 8^4\})$	1056964608
16	$\mathcal{O}(3; \{2^4, 4^2, 8^4\})$	4227858432
16	$\mathcal{O}(3; \{2, 4^4, 8^4\})$	16911433728
16	$\mathcal{O}(3; \{2^2, 4, 8^6\})$	33822867456
16	$\mathcal{O}(3; \{8^8\})$	270582939648
16	$\mathcal{O}(3; \{2^7, 4, 8, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2^4, 4^3, 8, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{2, 4^5, 8, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{2^5, 8^3, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2^2, 4^2, 8^3, 16^2\})$	34359738368

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{4, 8^5, 16^2\})$	274877906944
16	$\mathcal{O}(3; \{2^5, 4, 16^4\})$	17179869184
16	$\mathcal{O}(3; \{2^2, 4^3, 16^4\})$	68719476736
16	$\mathcal{O}(3; \{2^3, 8^2, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{4^2, 8^2, 16^4\})$	549755813888
16	$\mathcal{O}(3; \{2, 8, 16^6\})$	2199023255552
16	$\mathcal{O}(2; \{2^{18}\})$	61440
16	$\mathcal{O}(2; \{2^{15}, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^{12}, 4^4\})$	491520
16	$\mathcal{O}(2; \{2^9, 4^6\})$	1966080
16	$\mathcal{O}(2; \{2^6, 4^8\})$	7864320
16	$\mathcal{O}(2; \{2^3, 4^{10}\})$	31457280
16	$\mathcal{O}(2; \{4^{12}\})$	125829120
16	$\mathcal{O}(2; \{2^{13}, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{2^{10}, 4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2^7, 4^5, 8^2\})$	7864320
16	$\mathcal{O}(2; \{2^4, 4^7, 8^2\})$	31457280
16	$\mathcal{O}(2; \{2, 4^9, 8^2\})$	125829120
16	$\mathcal{O}(2; \{2^{11}, 8^4\})$	3932160
16	$\mathcal{O}(2; \{2^8, 4^2, 8^4\})$	15728640
16	$\mathcal{O}(2; \{2^5, 4^4, 8^4\})$	62914560
16	$\mathcal{O}(2; \{2^2, 4^6, 8^4\})$	251658240
16	$\mathcal{O}(2; \{2^6, 4, 8^6\})$	125829120
16	$\mathcal{O}(2; \{2^3, 4^3, 8^6\})$	503316480
16	$\mathcal{O}(2; \{4^5, 8^6\})$	2013265920
16	$\mathcal{O}(2; \{2^4, 8^8\})$	1006632960
16	$\mathcal{O}(2; \{2, 4^2, 8^8\})$	4026531840
16	$\mathcal{O}(2; \{2^{11}, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^8, 4^3, 8, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^5, 4^5, 8, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^2, 4^7, 8, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^9, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^6, 4^2, 8^3, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^3, 4^4, 8^3, 16^2\})$	536870912
16	$\mathcal{O}(2; \{4^6, 8^3, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2^4, 4, 8^5, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{2, 4^3, 8^5, 16^2\})$	4294967296
16	$\mathcal{O}(2; \{2^2, 8^7, 16^2\})$	8589934592
16	$\mathcal{O}(2; \{2^9, 4, 16^4\})$	67108864
16	$\mathcal{O}(2; \{2^6, 4^3, 16^4\})$	268435456
16	$\mathcal{O}(2; \{2^3, 4^5, 16^4\})$	1073741824
16	$\mathcal{O}(2; \{4^7, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2^7, 8^2, 16^4\})$	536870912

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2^4, 4^2, 8^2, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{2, 4^4, 8^2, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{2^2, 4, 8^4, 16^4\})$	17179869184
16	$\mathcal{O}(2; \{8^6, 16^4\})$	137438953472
16	$\mathcal{O}(2; \{2^5, 8, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{2^2, 4^2, 8, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{4, 8^3, 16^6\})$	274877906944
16	$\mathcal{O}(2; \{2^3, 16^8\})$	137438953472
16	$\mathcal{O}(2; \{4^2, 16^8\})$	549755813888
16	$\mathcal{O}(1; \{2^{22}\})$	192
16	$\mathcal{O}(1; \{2^{19}, 4^2\})$	384
16	$\mathcal{O}(1; \{2^{16}, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^{13}, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^{10}, 4^8\})$	24576
16	$\mathcal{O}(1; \{2^7, 4^{10}\})$	98304
16	$\mathcal{O}(1; \{2^4, 4^{12}\})$	393216
16	$\mathcal{O}(1; \{2, 4^{14}\})$	1572864
16	$\mathcal{O}(1; \{2^{17}, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^{14}, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^{11}, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^8, 4^7, 8^2\})$	98304
16	$\mathcal{O}(1; \{2^5, 4^9, 8^2\})$	393216
16	$\mathcal{O}(1; \{2^2, 4^{11}, 8^2\})$	1572864
16	$\mathcal{O}(1; \{2^{15}, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^{12}, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2^9, 4^4, 8^4\})$	196608
16	$\mathcal{O}(1; \{2^6, 4^6, 8^4\})$	786432
16	$\mathcal{O}(1; \{2^3, 4^8, 8^4\})$	3145728
16	$\mathcal{O}(1; \{4^{10}, 8^4\})$	12582912
16	$\mathcal{O}(1; \{2^{10}, 4, 8^6\})$	393216
16	$\mathcal{O}(1; \{2^7, 4^3, 8^6\})$	1572864
16	$\mathcal{O}(1; \{2^4, 4^5, 8^6\})$	6291456
16	$\mathcal{O}(1; \{2, 4^7, 8^6\})$	25165824
16	$\mathcal{O}(1; \{2^8, 8^8\})$	3145728
16	$\mathcal{O}(1; \{2^5, 4^2, 8^8\})$	12582912
16	$\mathcal{O}(1; \{2^2, 4^4, 8^8\})$	50331648
16	$\mathcal{O}(1; \{2^3, 4, 8^{10}\})$	100663296
16	$\mathcal{O}(1; \{4^3, 8^{10}\})$	402653184
16	$\mathcal{O}(1; \{2, 8^{12}\})$	805306368
16	$\mathcal{O}(1; \{2^{15}, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^{12}, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^9, 4^5, 8, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^6, 4^7, 8, 16^2\})$	1048576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^3, 4^9, 8, 16^2\})$	4194304
16	$\mathcal{O}(1; \{4^{11}, 8, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^{13}, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^{10}, 4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^7, 4^4, 8^3, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^4, 4^6, 8^3, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2, 4^8, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^8, 4, 8^5, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^5, 4^3, 8^5, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^2, 4^5, 8^5, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^6, 8^7, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^3, 4^2, 8^7, 16^2\})$	134217728
16	$\mathcal{O}(1; \{4^4, 8^7, 16^2\})$	536870912
16	$\mathcal{O}(1; \{2, 4, 8^9, 16^2\})$	1073741824
16	$\mathcal{O}(1; \{2^{13}, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{2^{10}, 4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^7, 4^5, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2^4, 4^7, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2, 4^9, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^{11}, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^8, 4^2, 8^2, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^5, 4^4, 8^2, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^2, 4^6, 8^2, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^6, 4, 8^4, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^3, 4^3, 8^4, 16^4\})$	268435456
16	$\mathcal{O}(1; \{4^5, 8^4, 16^4\})$	1073741824
16	$\mathcal{O}(1; \{2^4, 8^6, 16^4\})$	536870912
16	$\mathcal{O}(1; \{2, 4^2, 8^6, 16^4\})$	2147483648
16	$\mathcal{O}(1; \{2^9, 8, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^6, 4^2, 8, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2^3, 4^4, 8, 16^6\})$	536870912
16	$\mathcal{O}(1; \{4^6, 8, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2^4, 4, 8^3, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{2, 4^3, 8^3, 16^6\})$	4294967296
16	$\mathcal{O}(1; \{2^2, 8^5, 16^6\})$	8589934592
16	$\mathcal{O}(1; \{2^7, 16^8\})$	536870912
16	$\mathcal{O}(1; \{2^4, 4^2, 16^8\})$	2147483648
16	$\mathcal{O}(1; \{2, 4^4, 16^8\})$	8589934592
16	$\mathcal{O}(1; \{2^2, 4, 8^2, 16^8\})$	17179869184
16	$\mathcal{O}(1; \{8^4, 16^8\})$	137438953472
16	$\mathcal{O}(1; \{4, 8, 16^{10}\})$	274877906944
16	$\mathcal{O}(0; \{2^{19}, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{16}, 4^3, 8, 16^2\})$	256

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^{13}, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^{10}, 4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^7, 4^9, 8, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^4, 4^{11}, 8, 16^2\})$	65536
16	$\mathcal{O}(0; \{2, 4^{13}, 8, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{17}, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{14}, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^{11}, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^8, 4^6, 8^3, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^5, 4^8, 8^3, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^2, 4^{10}, 8^3, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^{12}, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^9, 4^3, 8^5, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^6, 4^5, 8^5, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^3, 4^7, 8^5, 16^2\})$	1048576
16	$\mathcal{O}(0; \{4^9, 8^5, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^{10}, 8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^7, 4^2, 8^7, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^4, 4^4, 8^7, 16^2\})$	2097152
16	$\mathcal{O}(0; \{2, 4^6, 8^7, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^5, 4, 8^9, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2^2, 4^3, 8^9, 16^2\})$	16777216
16	$\mathcal{O}(0; \{2^3, 8^{11}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{4^2, 8^{11}, 16^2\})$	134217728
16	$\mathcal{O}(0; \{2^{17}, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^{14}, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^{11}, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^8, 4^7, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^5, 4^9, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^2, 4^{11}, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{15}, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^{12}, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^9, 4^4, 8^2, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^6, 4^6, 8^2, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^3, 4^8, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(0; \{4^{10}, 8^2, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^{10}, 4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^7, 4^3, 8^4, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^4, 4^5, 8^4, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2, 4^7, 8^4, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^8, 8^6, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^5, 4^2, 8^6, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4^4, 8^6, 16^4\})$	33554432

Continued on next page

Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 4, 8^8, 16^4\})$	67108864
16	$\mathcal{O}(0; \{4^3, 8^8, 16^4\})$	268435456
16	$\mathcal{O}(0; \{2, 8^{10}, 16^4\})$	536870912
16	$\mathcal{O}(0; \{2^{13}, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^{10}, 4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^7, 4^4, 8, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^4, 4^6, 8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2, 4^8, 8, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^8, 4, 8^3, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^5, 4^3, 8^3, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^2, 4^5, 8^3, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^6, 8^5, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^3, 4^2, 8^5, 16^6\})$	134217728
16	$\mathcal{O}(0; \{4^4, 8^5, 16^6\})$	536870912
16	$\mathcal{O}(0; \{2, 4, 8^7, 16^6\})$	1073741824
16	$\mathcal{O}(0; \{2^{11}, 16^8\})$	2097152
16	$\mathcal{O}(0; \{2^8, 4^2, 16^8\})$	8388608
16	$\mathcal{O}(0; \{2^5, 4^4, 16^8\})$	33554432
16	$\mathcal{O}(0; \{2^2, 4^6, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^6, 4, 8^2, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 16^8\})$	268435456
16	$\mathcal{O}(0; \{4^5, 8^2, 16^8\})$	1073741824
16	$\mathcal{O}(0; \{2^4, 8^4, 16^8\})$	536870912
16	$\mathcal{O}(0; \{2, 4^2, 8^4, 16^8\})$	2147483648
16	$\mathcal{O}(0; \{2^4, 4, 8, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{2, 4^3, 8, 16^{10}\})$	4294967296
16	$\mathcal{O}(0; \{2^2, 8^3, 16^{10}\})$	8589934592
16	$\mathcal{O}(0; \{2^2, 4, 16^{12}\})$	17179869184
16	$\mathcal{O}(0; \{8^2, 16^{12}\})$	137438953472
17	$\mathcal{O}(1; \{17^{11}\})$	299067162754800
18	$\mathcal{O}(5; \{9^2\})$	21401882653338
18	$\mathcal{O}(4; \{2^4, 9^2\})$	66119763456
18	$\mathcal{O}(4; \{3^3, 9^2\})$	526891865040
18	$\mathcal{O}(4; \{2, 3, 6, 9^2\})$	264479053824
18	$\mathcal{O}(4; \{2^2, 9, 18^2\})$	198359290368
18	$\mathcal{O}(4; \{18^4\})$	1785233613312
18	$\mathcal{O}(3; \{2^8, 9^2\})$	204073344
18	$\mathcal{O}(3; \{2^4, 3^3, 9^2\})$	1632586752
18	$\mathcal{O}(3; \{3^6, 9^2\})$	12856620672
18	$\mathcal{O}(3; \{2^5, 3, 6, 9^2\})$	816293376
18	$\mathcal{O}(3; \{2, 3^4, 6, 9^2\})$	6530347008
18	$\mathcal{O}(3; \{2^2, 3^2, 6^2, 9^2\})$	3265173504
18	$\mathcal{O}(3; \{2^3, 6^3, 9^2\})$	1632586752

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{3, 6^4, 9^2\})$	6530347008
18	$\mathcal{O}(3; \{3^2, 9^5\})$	108477736920
18	$\mathcal{O}(3; \{2, 6, 9^5\})$	55099802880
18	$\mathcal{O}(3; \{2^3, 3, 9^3, 18\})$	11019960576
18	$\mathcal{O}(3; \{3^2, 6, 9^3, 18\})$	44079842304
18	$\mathcal{O}(3; \{2, 6^2, 9^3, 18\})$	22039921152
18	$\mathcal{O}(3; \{2^6, 9, 18^2\})$	612220032
18	$\mathcal{O}(3; \{2^2, 3^3, 9, 18^2\})$	4897760256
18	$\mathcal{O}(3; \{2^3, 3, 6, 9, 18^2\})$	2448880128
18	$\mathcal{O}(3; \{3^2, 6^2, 9, 18^2\})$	9795520512
18	$\mathcal{O}(3; \{2, 6^3, 9, 18^2\})$	4897760256
18	$\mathcal{O}(3; \{2, 3, 9^2, 18^3\})$	55099802880
18	$\mathcal{O}(3; \{2^4, 18^4\})$	5509980288
18	$\mathcal{O}(3; \{3^3, 18^4\})$	44079842304
18	$\mathcal{O}(3; \{2, 3, 6, 18^4\})$	22039921152
18	$\mathcal{O}(2; \{2^{12}, 9^2\})$	629856
18	$\mathcal{O}(2; \{2^8, 3^3, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2^4, 3^6, 9^2\})$	40310784
18	$\mathcal{O}(2; \{3^9, 9^2\})$	302330880
18	$\mathcal{O}(2; \{2^9, 3, 6, 9^2\})$	2519424
18	$\mathcal{O}(2; \{2^5, 3^4, 6, 9^2\})$	20155392
18	$\mathcal{O}(2; \{2, 3^7, 6, 9^2\})$	161243136
18	$\mathcal{O}(2; \{2^6, 3^2, 6^2, 9^2\})$	10077696
18	$\mathcal{O}(2; \{2^2, 3^5, 6^2, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^7, 6^3, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^3, 6^3, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3, 6^4, 9^2\})$	20155392
18	$\mathcal{O}(2; \{3^4, 6^4, 9^2\})$	161243136
18	$\mathcal{O}(2; \{2, 3^2, 6^5, 9^2\})$	80621568
18	$\mathcal{O}(2; \{2^2, 6^6, 9^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3^2, 9^5\})$	340122240
18	$\mathcal{O}(2; \{3^5, 9^5\})$	2550916800
18	$\mathcal{O}(2; \{2^5, 6, 9^5\})$	170061120
18	$\mathcal{O}(2; \{2, 3^3, 6, 9^5\})$	1360488960
18	$\mathcal{O}(2; \{2^2, 3, 6^2, 9^5\})$	680244480
18	$\mathcal{O}(2; \{6^4, 9^5\})$	1360488960
18	$\mathcal{O}(2; \{3, 9^8\})$	37020180060
18	$\mathcal{O}(2; \{2^7, 3, 9^3, 18\})$	34012224
18	$\mathcal{O}(2; \{2^3, 3^4, 9^3, 18\})$	272097792
18	$\mathcal{O}(2; \{2^4, 3^2, 6, 9^3, 18\})$	136048896
18	$\mathcal{O}(2; \{3^5, 6, 9^3, 18\})$	1088391168
18	$\mathcal{O}(2; \{2^5, 6^2, 9^3, 18\})$	68024448
18	$\mathcal{O}(2; \{2, 3^3, 6^2, 9^3, 18\})$	544195584

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^2, 3, 6^3, 9^3, 18\})$	272097792
18	$\mathcal{O}(2; \{6^5, 9^3, 18\})$	544195584
18	$\mathcal{O}(2; \{2^3, 9^6, 18\})$	3214155168
18	$\mathcal{O}(2; \{3, 6, 9^6, 18\})$	12856620672
18	$\mathcal{O}(2; \{2^{10}, 9, 18^2\})$	1889568
18	$\mathcal{O}(2; \{2^6, 3^3, 9, 18^2\})$	15116544
18	$\mathcal{O}(2; \{2^2, 3^6, 9, 18^2\})$	120932352
18	$\mathcal{O}(2; \{2^7, 3, 6, 9, 18^2\})$	7558272
18	$\mathcal{O}(2; \{2^3, 3^4, 6, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{2^4, 3^2, 6^2, 9, 18^2\})$	30233088
18	$\mathcal{O}(2; \{3^5, 6^2, 9, 18^2\})$	241864704
18	$\mathcal{O}(2; \{2^5, 6^3, 9, 18^2\})$	15116544
18	$\mathcal{O}(2; \{2, 3^3, 6^3, 9, 18^2\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3, 6^4, 9, 18^2\})$	60466176
18	$\mathcal{O}(2; \{6^6, 9, 18^2\})$	120932352
18	$\mathcal{O}(2; \{2^2, 3^2, 9^4, 18^2\})$	2244806784
18	$\mathcal{O}(2; \{2^3, 6, 9^4, 18^2\})$	1122403392
18	$\mathcal{O}(2; \{3, 6^2, 9^4, 18^2\})$	4489613568
18	$\mathcal{O}(2; \{2^5, 3, 9^2, 18^3\})$	170061120
18	$\mathcal{O}(2; \{2, 3^4, 9^2, 18^3\})$	1360488960
18	$\mathcal{O}(2; \{2^2, 3^2, 6, 9^2, 18^3\})$	680244480
18	$\mathcal{O}(2; \{2^3, 6^2, 9^2, 18^3\})$	340122240
18	$\mathcal{O}(2; \{3, 6^3, 9^2, 18^3\})$	1360488960
18	$\mathcal{O}(2; \{2, 9^5, 18^3\})$	19744096032
18	$\mathcal{O}(2; \{2^8, 18^4\})$	17006112
18	$\mathcal{O}(2; \{2^4, 3^3, 18^4\})$	136048896
18	$\mathcal{O}(2; \{3^6, 18^4\})$	1088391168
18	$\mathcal{O}(2; \{2^5, 3, 6, 18^4\})$	68024448
18	$\mathcal{O}(2; \{2, 3^4, 6, 18^4\})$	544195584
18	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 18^4\})$	272097792
18	$\mathcal{O}(2; \{2^3, 6^3, 18^4\})$	136048896
18	$\mathcal{O}(2; \{3, 6^4, 18^4\})$	544195584
18	$\mathcal{O}(2; \{3^2, 9^3, 18^4\})$	12856620672
18	$\mathcal{O}(2; \{2, 6, 9^3, 18^4\})$	6428310336
18	$\mathcal{O}(2; \{2^3, 3, 9, 18^5\})$	1122403392
18	$\mathcal{O}(2; \{3^2, 6, 9, 18^5\})$	4489613568
18	$\mathcal{O}(2; \{2, 6^2, 9, 18^5\})$	2244806784
18	$\mathcal{O}(2; \{2, 3, 18^7\})$	6428310336
18	$\mathcal{O}(1; \{2^{16}, 9^2\})$	1944
18	$\mathcal{O}(1; \{2^{12}, 3^3, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^8, 3^6, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^4, 3^9, 9^2\})$	995328
18	$\mathcal{O}(1; \{3^{12}, 9^2\})$	5971968

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^{13}, 3, 6, 9^2\})$	7776
18	$\mathcal{O}(1; \{2^9, 3^4, 6, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^5, 3^7, 6, 9^2\})$	497664
18	$\mathcal{O}(1; \{2, 3^{10}, 6, 9^2\})$	3981312
18	$\mathcal{O}(1; \{2^{10}, 3^2, 6^2, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^6, 3^5, 6^2, 9^2\})$	248832
18	$\mathcal{O}(1; \{2^2, 3^8, 6^2, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^{11}, 6^3, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^3, 6^3, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^6, 6^3, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3, 6^4, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^4, 6^4, 9^2\})$	497664
18	$\mathcal{O}(1; \{3^7, 6^4, 9^2\})$	3981312
18	$\mathcal{O}(1; \{2^5, 3^2, 6^5, 9^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^5, 6^5, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2^6, 6^6, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^3, 6^6, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^3, 3, 6^7, 9^2\})$	497664
18	$\mathcal{O}(1; \{3^2, 6^8, 9^2\})$	1990656
18	$\mathcal{O}(1; \{2, 6^9, 9^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3^2, 9^5\})$	1049760
18	$\mathcal{O}(1; \{2^4, 3^5, 9^5\})$	8398080
18	$\mathcal{O}(1; \{3^8, 9^5\})$	50388480
18	$\mathcal{O}(1; \{2^9, 6, 9^5\})$	524880
18	$\mathcal{O}(1; \{2^5, 3^3, 6, 9^5\})$	4199040
18	$\mathcal{O}(1; \{2, 3^6, 6, 9^5\})$	33592320
18	$\mathcal{O}(1; \{2^6, 3, 6^2, 9^5\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 9^5\})$	8398080
18	$\mathcal{O}(1; \{2^4, 6^4, 9^5\})$	4199040
18	$\mathcal{O}(1; \{3^3, 6^4, 9^5\})$	33592320
18	$\mathcal{O}(1; \{2, 3, 6^5, 9^5\})$	16796160
18	$\mathcal{O}(1; \{2^4, 3, 9^8\})$	121877136
18	$\mathcal{O}(1; \{3^4, 9^8\})$	731262816
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^8\})$	487508544
18	$\mathcal{O}(1; \{2^2, 6^2, 9^8\})$	243754272
18	$\mathcal{O}(1; \{9^{11}\})$	9785954574
18	$\mathcal{O}(1; \{2^{11}, 3, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{2^7, 3^4, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2^3, 3^7, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^8, 3^2, 6, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^5, 6, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{3^8, 6, 9^3, 18\})$	26873856

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^9, 6^2, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{2, 3^6, 6^2, 9^3, 18\})$	13436928
18	$\mathcal{O}(1; \{2^6, 3, 6^3, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 9^3, 18\})$	3359232
18	$\mathcal{O}(1; \{2^4, 6^5, 9^3, 18\})$	1679616
18	$\mathcal{O}(1; \{3^3, 6^5, 9^3, 18\})$	13436928
18	$\mathcal{O}(1; \{2, 3, 6^6, 9^3, 18\})$	6718464
18	$\mathcal{O}(1; \{2^7, 9^6, 18\})$	9920232
18	$\mathcal{O}(1; \{2^3, 3^3, 9^6, 18\})$	79361856
18	$\mathcal{O}(1; \{2^4, 3, 6, 9^6, 18\})$	39680928
18	$\mathcal{O}(1; \{3^4, 6, 9^6, 18\})$	317447424
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9^6, 18\})$	158723712
18	$\mathcal{O}(1; \{2^2, 6^3, 9^6, 18\})$	79361856
18	$\mathcal{O}(1; \{6, 9^9, 18\})$	4362067728
18	$\mathcal{O}(1; \{2^{14}, 9, 18^2\})$	5832
18	$\mathcal{O}(1; \{2^{10}, 3^3, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^6, 3^6, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{2^2, 3^9, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2^{11}, 3, 6, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{2^7, 3^4, 6, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2^3, 3^7, 6, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^8, 3^2, 6^2, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^5, 6^2, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{3^8, 6^2, 9, 18^2\})$	5971968
18	$\mathcal{O}(1; \{2^9, 6^3, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^3, 6^3, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{2, 3^6, 6^3, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2^6, 3, 6^4, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^4, 6^4, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^3, 3^2, 6^5, 9, 18^2\})$	746496
18	$\mathcal{O}(1; \{2^4, 6^6, 9, 18^2\})$	373248
18	$\mathcal{O}(1; \{3^3, 6^6, 9, 18^2\})$	2985984
18	$\mathcal{O}(1; \{2, 3, 6^7, 9, 18^2\})$	1492992
18	$\mathcal{O}(1; \{2^6, 3^2, 9^4, 18^2\})$	6928416
18	$\mathcal{O}(1; \{2^2, 3^5, 9^4, 18^2\})$	55427328
18	$\mathcal{O}(1; \{2^7, 6, 9^4, 18^2\})$	3464208
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9^4, 18^2\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9^4, 18^2\})$	13856832
18	$\mathcal{O}(1; \{3^4, 6^2, 9^4, 18^2\})$	110854656
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9^4, 18^2\})$	55427328
18	$\mathcal{O}(1; \{2^2, 6^4, 9^4, 18^2\})$	27713664

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3, 9^7, 18^2\})$	722759760
18	$\mathcal{O}(1; \{6^2, 9^7, 18^2\})$	1445519520
18	$\mathcal{O}(1; \{2^9, 3, 9^2, 18^3\})$	524880
18	$\mathcal{O}(1; \{2^5, 3^4, 9^2, 18^3\})$	4199040
18	$\mathcal{O}(1; \{2, 3^7, 9^2, 18^3\})$	33592320
18	$\mathcal{O}(1; \{2^6, 3^2, 6, 9^2, 18^3\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^5, 6, 9^2, 18^3\})$	16796160
18	$\mathcal{O}(1; \{2^7, 6^2, 9^2, 18^3\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3, 6^3, 9^2, 18^3\})$	4199040
18	$\mathcal{O}(1; \{3^4, 6^3, 9^2, 18^3\})$	33592320
18	$\mathcal{O}(1; \{2, 3^2, 6^4, 9^2, 18^3\})$	16796160
18	$\mathcal{O}(1; \{2^2, 6^5, 9^2, 18^3\})$	8398080
18	$\mathcal{O}(1; \{2^5, 9^5, 18^3\})$	60938568
18	$\mathcal{O}(1; \{2, 3^3, 9^5, 18^3\})$	487508544
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^5, 18^3\})$	243754272
18	$\mathcal{O}(1; \{6^3, 9^5, 18^3\})$	487508544
18	$\mathcal{O}(1; \{2^{12}, 18^4\})$	52488
18	$\mathcal{O}(1; \{2^8, 3^3, 18^4\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^6, 18^4\})$	3359232
18	$\mathcal{O}(1; \{3^9, 18^4\})$	26873856
18	$\mathcal{O}(1; \{2^9, 3, 6, 18^4\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^4, 6, 18^4\})$	1679616
18	$\mathcal{O}(1; \{2, 3^7, 6, 18^4\})$	13436928
18	$\mathcal{O}(1; \{2^6, 3^2, 6^2, 18^4\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^5, 6^2, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2^7, 6^3, 18^4\})$	419904
18	$\mathcal{O}(1; \{2^3, 3^3, 6^3, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3, 6^4, 18^4\})$	1679616
18	$\mathcal{O}(1; \{3^4, 6^4, 18^4\})$	13436928
18	$\mathcal{O}(1; \{2, 3^2, 6^5, 18^4\})$	6718464
18	$\mathcal{O}(1; \{2^2, 6^6, 18^4\})$	3359232
18	$\mathcal{O}(1; \{2^4, 3^2, 9^3, 18^4\})$	39680928
18	$\mathcal{O}(1; \{3^5, 9^3, 18^4\})$	317447424
18	$\mathcal{O}(1; \{2^5, 6, 9^3, 18^4\})$	19840464
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^3, 18^4\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^3, 18^4\})$	79361856
18	$\mathcal{O}(1; \{6^4, 9^3, 18^4\})$	158723712
18	$\mathcal{O}(1; \{3, 9^6, 18^4\})$	4362067728
18	$\mathcal{O}(1; \{2^7, 3, 9, 18^5\})$	3464208
18	$\mathcal{O}(1; \{2^3, 3^4, 9, 18^5\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3^2, 6, 9, 18^5\})$	13856832
18	$\mathcal{O}(1; \{3^5, 6, 9, 18^5\})$	110854656

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^5, 6^2, 9, 18^5\})$	6928416
18	$\mathcal{O}(1; \{2, 3^3, 6^2, 9, 18^5\})$	55427328
18	$\mathcal{O}(1; \{2^2, 3, 6^3, 9, 18^5\})$	27713664
18	$\mathcal{O}(1; \{6^5, 9, 18^5\})$	55427328
18	$\mathcal{O}(1; \{2^3, 9^4, 18^5\})$	361379880
18	$\mathcal{O}(1; \{3, 6, 9^4, 18^5\})$	1445519520
18	$\mathcal{O}(1; \{2^2, 3^2, 9^2, 18^6\})$	243754272
18	$\mathcal{O}(1; \{2^3, 6, 9^2, 18^6\})$	121877136
18	$\mathcal{O}(1; \{3, 6^2, 9^2, 18^6\})$	487508544
18	$\mathcal{O}(1; \{2^5, 3, 18^7\})$	19840464
18	$\mathcal{O}(1; \{2, 3^4, 18^7\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 18^7\})$	79361856
18	$\mathcal{O}(1; \{2^3, 6^2, 18^7\})$	39680928
18	$\mathcal{O}(1; \{3, 6^3, 18^7\})$	158723712
18	$\mathcal{O}(1; \{2, 9^3, 18^7\})$	2181033864
18	$\mathcal{O}(1; \{3^2, 9, 18^8\})$	1445519520
18	$\mathcal{O}(1; \{2, 6, 9, 18^8\})$	722759760
18	$\mathcal{O}(0; \{2^{20}, 9^2\})$	6
18	$\mathcal{O}(0; \{2^{16}, 3^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^{12}, 3^6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^8, 3^9, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^4, 3^{12}, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^{17}, 3, 6, 9^2\})$	24
18	$\mathcal{O}(0; \{2^{13}, 3^4, 6, 9^2\})$	192
18	$\mathcal{O}(0; \{2^9, 3^7, 6, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^5, 3^{10}, 6, 9^2\})$	12288
18	$\mathcal{O}(0; \{2, 3^{13}, 6, 9^2\})$	98304
18	$\mathcal{O}(0; \{2^{14}, 3^2, 6^2, 9^2\})$	96
18	$\mathcal{O}(0; \{2^{10}, 3^5, 6^2, 9^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3^8, 6^2, 9^2\})$	6144
18	$\mathcal{O}(0; \{2^2, 3^{11}, 6^2, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^{15}, 6^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6^3, 9^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3^6, 6^3, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^9, 6^3, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^{12}, 3, 6^4, 9^2\})$	192
18	$\mathcal{O}(0; \{2^8, 3^4, 6^4, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^7, 6^4, 9^2\})$	12288
18	$\mathcal{O}(0; \{3^{10}, 6^4, 9^2\})$	98304
18	$\mathcal{O}(0; \{2^9, 3^2, 6^5, 9^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^5, 6^5, 9^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^8, 6^5, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^{10}, 6^6, 9^2\})$	384

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^3, 6^6, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^6, 6^6, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^7, 3, 6^7, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^4, 6^7, 9^2\})$	12288
18	$\mathcal{O}(0; \{2^4, 3^2, 6^8, 9^2\})$	6144
18	$\mathcal{O}(0; \{3^5, 6^8, 9^2\})$	49152
18	$\mathcal{O}(0; \{2^5, 6^9, 9^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^3, 6^9, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^2, 3, 6^{10}, 9^2\})$	12288
18	$\mathcal{O}(0; \{6^{12}, 9^2\})$	24576
18	$\mathcal{O}(0; \{2^{12}, 3^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^8, 3^5, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^4, 3^8, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^{13}, 6, 9^5\})$	1620
18	$\mathcal{O}(0; \{2^9, 3^3, 6, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^5, 3^6, 6, 9^5\})$	103680
18	$\mathcal{O}(0; \{2, 3^9, 6, 9^5\})$	829440
18	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 9^5\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^8, 6^4, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 9^5\})$	103680
18	$\mathcal{O}(0; \{3^6, 6^4, 9^5\})$	829440
18	$\mathcal{O}(0; \{2^5, 3, 6^5, 9^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^4, 6^5, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 9^5\})$	207360
18	$\mathcal{O}(0; \{2^3, 6^7, 9^5\})$	103680
18	$\mathcal{O}(0; \{3, 6^8, 9^5\})$	414720
18	$\mathcal{O}(0; \{2^8, 3, 9^8\})$	376164
18	$\mathcal{O}(0; \{2^4, 3^4, 9^8\})$	3009312
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^8\})$	1504656
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^8\})$	12037248
18	$\mathcal{O}(0; \{2^6, 6^2, 9^8\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^8\})$	3009312
18	$\mathcal{O}(0; \{3^2, 6^4, 9^8\})$	12037248
18	$\mathcal{O}(0; \{2, 6^5, 9^8\})$	6018624
18	$\mathcal{O}(0; \{2^4, 9^{11}\})$	40271418
18	$\mathcal{O}(0; \{2, 3, 6, 9^{11}\})$	161085672
18	$\mathcal{O}(0; \{2^{15}, 3, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^{11}, 3^4, 9^3, 18\})$	2592

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^7, 3^7, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2^3, 3^{10}, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^5, 6, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^8, 6, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{3^{11}, 6, 9^3, 18\})$	663552
18	$\mathcal{O}(0; \{2^{13}, 6^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{2, 3^9, 6^2, 9^3, 18\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^8, 6^5, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{3^6, 6^5, 9^3, 18\})$	331776
18	$\mathcal{O}(0; \{2^5, 3, 6^6, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2, 3^4, 6^6, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 9^3, 18\})$	82944
18	$\mathcal{O}(0; \{2^3, 6^8, 9^3, 18\})$	41472
18	$\mathcal{O}(0; \{3, 6^9, 9^3, 18\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 9^6, 18\})$	30618
18	$\mathcal{O}(0; \{2^7, 3^3, 9^6, 18\})$	244944
18	$\mathcal{O}(0; \{2^3, 3^6, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^8, 3, 6, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{3^7, 6, 9^6, 18\})$	7838208
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9^6, 18\})$	489888
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9^6, 18\})$	3919104
18	$\mathcal{O}(0; \{2^6, 6^3, 9^6, 18\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9^6, 18\})$	979776
18	$\mathcal{O}(0; \{3^2, 6^5, 9^6, 18\})$	3919104
18	$\mathcal{O}(0; \{2, 6^6, 9^6, 18\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 9^9, 18\})$	26926344
18	$\mathcal{O}(0; \{2^4, 6, 9^9, 18\})$	13463172
18	$\mathcal{O}(0; \{3^3, 6, 9^9, 18\})$	107705376
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^9, 18\})$	53852688
18	$\mathcal{O}(0; \{2^{18}, 9, 18^2\})$	18
18	$\mathcal{O}(0; \{2^{14}, 3^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^{10}, 3^6, 9, 18^2\})$	1152

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^9, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{2^2, 3^{12}, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^{15}, 3, 6, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^{11}, 3^4, 6, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^7, 3^7, 6, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^3, 3^{10}, 6, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^8, 3^5, 6^2, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^8, 6^2, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{3^{11}, 6^2, 9, 18^2\})$	147456
18	$\mathcal{O}(0; \{2^{13}, 6^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^9, 3^3, 6^3, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^6, 6^3, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{2, 3^9, 6^3, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^{10}, 3, 6^4, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^6, 3^4, 6^4, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^7, 6^4, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^7, 3^2, 6^5, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^5, 6^5, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^8, 6^6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^3, 6^6, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{3^6, 6^6, 9, 18^2\})$	73728
18	$\mathcal{O}(0; \{2^5, 3, 6^7, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2, 3^4, 6^7, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^2, 3^2, 6^8, 9, 18^2\})$	18432
18	$\mathcal{O}(0; \{2^3, 6^9, 9, 18^2\})$	9216
18	$\mathcal{O}(0; \{3, 6^{10}, 9, 18^2\})$	36864
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^6, 3^5, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{2^2, 3^8, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2^{11}, 6, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{3^7, 6^2, 9^4, 18^2\})$	2737152
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9^4, 18^2\})$	171072
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2^6, 6^4, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9^4, 18^2\})$	684288
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9^4, 18^2\})$	342144
18	$\mathcal{O}(0; \{3^2, 6^6, 9^4, 18^2\})$	1368576
18	$\mathcal{O}(0; \{2, 6^7, 9^4, 18^2\})$	684288

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3, 9^7, 18^2\})$	2230740
18	$\mathcal{O}(0; \{2^2, 3^4, 9^7, 18^2\})$	17845920
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^7, 18^2\})$	8922960
18	$\mathcal{O}(0; \{2^4, 6^2, 9^7, 18^2\})$	4461480
18	$\mathcal{O}(0; \{3^3, 6^2, 9^7, 18^2\})$	35691840
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^7, 18^2\})$	17845920
18	$\mathcal{O}(0; \{2^2, 9^{10}, 18^2\})$	241982802
18	$\mathcal{O}(0; \{2^{13}, 3, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{2^9, 3^4, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^5, 3^7, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{2, 3^{10}, 9^2, 18^3\})$	829440
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^5, 6, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^8, 6, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 6^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^8, 3, 6^3, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{3^7, 6^3, 9^2, 18^3\})$	829440
18	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 9^2, 18^3\})$	51840
18	$\mathcal{O}(0; \{2, 3^5, 6^4, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2^6, 6^5, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^3, 3, 6^6, 9^2, 18^3\})$	103680
18	$\mathcal{O}(0; \{3^2, 6^7, 9^2, 18^3\})$	414720
18	$\mathcal{O}(0; \{2, 6^8, 9^2, 18^3\})$	207360
18	$\mathcal{O}(0; \{2^9, 9^5, 18^3\})$	188082
18	$\mathcal{O}(0; \{2^5, 3^3, 9^5, 18^3\})$	1504656
18	$\mathcal{O}(0; \{2, 3^6, 9^5, 18^3\})$	12037248
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^5, 18^3\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^5, 18^3\})$	3009312
18	$\mathcal{O}(0; \{2^4, 6^3, 9^5, 18^3\})$	1504656
18	$\mathcal{O}(0; \{3^3, 6^3, 9^5, 18^3\})$	12037248
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^5, 18^3\})$	6018624
18	$\mathcal{O}(0; \{2, 3^2, 9^8, 18^3\})$	161085672
18	$\mathcal{O}(0; \{2^2, 6, 9^8, 18^3\})$	80542836
18	$\mathcal{O}(0; \{2^{16}, 18^4\})$	162
18	$\mathcal{O}(0; \{2^{12}, 3^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^6, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^9, 18^4\})$	82944
18	$\mathcal{O}(0; \{3^{12}, 18^4\})$	663552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{13}, 3, 6, 18^4\})$	648
18	$\mathcal{O}(0; \{2^9, 3^4, 6, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^7, 6, 18^4\})$	41472
18	$\mathcal{O}(0; \{2, 3^{10}, 6, 18^4\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6^2, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^5, 6^2, 18^4\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^8, 6^2, 18^4\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 6^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^7, 3^3, 6^3, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^6, 6^3, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3, 6^4, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^4, 6^4, 18^4\})$	41472
18	$\mathcal{O}(0; \{3^7, 6^4, 18^4\})$	331776
18	$\mathcal{O}(0; \{2^5, 3^2, 6^5, 18^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^5, 6^5, 18^4\})$	165888
18	$\mathcal{O}(0; \{2^6, 6^6, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^3, 6^6, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^3, 3, 6^7, 18^4\})$	41472
18	$\mathcal{O}(0; \{3^2, 6^8, 18^4\})$	165888
18	$\mathcal{O}(0; \{2, 6^9, 18^4\})$	82944
18	$\mathcal{O}(0; \{2^8, 3^2, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^5, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{3^8, 9^3, 18^4\})$	7838208
18	$\mathcal{O}(0; \{2^9, 6, 9^3, 18^4\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^3, 18^4\})$	489888
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^3, 18^4\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^3, 18^4\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^3, 18^4\})$	979776
18	$\mathcal{O}(0; \{2^4, 6^4, 9^3, 18^4\})$	489888
18	$\mathcal{O}(0; \{3^3, 6^4, 9^3, 18^4\})$	3919104
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^3, 18^4\})$	1959552
18	$\mathcal{O}(0; \{2^4, 3, 9^6, 18^4\})$	13463172
18	$\mathcal{O}(0; \{3^4, 9^6, 18^4\})$	107705376
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^6, 18^4\})$	53852688
18	$\mathcal{O}(0; \{2^2, 6^2, 9^6, 18^4\})$	26926344
18	$\mathcal{O}(0; \{9^9, 18^4\})$	1450833930
18	$\mathcal{O}(0; \{2^{11}, 3, 9, 18^5\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^4, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^7, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^8, 3^2, 6, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^5, 6, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{3^8, 6, 9, 18^5\})$	2737152

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 6^2, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{2, 3^6, 6^2, 9, 18^5\})$	1368576
18	$\mathcal{O}(0; \{2^6, 3, 6^3, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 9, 18^5\})$	342144
18	$\mathcal{O}(0; \{2^4, 6^5, 9, 18^5\})$	171072
18	$\mathcal{O}(0; \{3^3, 6^5, 9, 18^5\})$	1368576
18	$\mathcal{O}(0; \{2, 3, 6^6, 9, 18^5\})$	684288
18	$\mathcal{O}(0; \{2^7, 9^4, 18^5\})$	1115370
18	$\mathcal{O}(0; \{2^3, 3^3, 9^4, 18^5\})$	8922960
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^4, 18^5\})$	4461480
18	$\mathcal{O}(0; \{3^4, 6, 9^4, 18^5\})$	35691840
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^4, 18^5\})$	17845920
18	$\mathcal{O}(0; \{2^2, 6^3, 9^4, 18^5\})$	8922960
18	$\mathcal{O}(0; \{6, 9^7, 18^5\})$	483965604
18	$\mathcal{O}(0; \{2^6, 3^2, 9^2, 18^6\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^5, 9^2, 18^6\})$	6018624
18	$\mathcal{O}(0; \{2^7, 6, 9^2, 18^6\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^2, 18^6\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^2, 18^6\})$	1504656
18	$\mathcal{O}(0; \{3^4, 6^2, 9^2, 18^6\})$	12037248
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^2, 18^6\})$	6018624
18	$\mathcal{O}(0; \{2^2, 6^4, 9^2, 18^6\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 9^5, 18^6\})$	80542836
18	$\mathcal{O}(0; \{6^2, 9^5, 18^6\})$	161085672
18	$\mathcal{O}(0; \{2^9, 3, 18^7\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^4, 18^7\})$	489888
18	$\mathcal{O}(0; \{2, 3^7, 18^7\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 18^7\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2^7, 6^2, 18^7\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 18^7\})$	979776
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 18^7\})$	489888
18	$\mathcal{O}(0; \{3^4, 6^3, 18^7\})$	3919104
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 18^7\})$	1959552
18	$\mathcal{O}(0; \{2^2, 6^5, 18^7\})$	979776
18	$\mathcal{O}(0; \{2^5, 9^3, 18^7\})$	6731586
18	$\mathcal{O}(0; \{2, 3^3, 9^3, 18^7\})$	53852688
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^3, 18^7\})$	26926344
18	$\mathcal{O}(0; \{6^3, 9^3, 18^7\})$	53852688
18	$\mathcal{O}(0; \{2^4, 3^2, 9, 18^8\})$	4461480
18	$\mathcal{O}(0; \{3^5, 9, 18^8\})$	35691840

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 6, 9, 18^8\})$	2230740
18	$\mathcal{O}(0; \{2, 3^3, 6, 9, 18^8\})$	17845920
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9, 18^8\})$	8922960
18	$\mathcal{O}(0; \{6^4, 9, 18^8\})$	17845920
18	$\mathcal{O}(0; \{3, 9^4, 18^8\})$	483965604
18	$\mathcal{O}(0; \{2^3, 9^2, 18^9\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 9^2, 18^9\})$	161085672
18	$\mathcal{O}(0; \{2^2, 3^2, 18^{10}\})$	26926344
18	$\mathcal{O}(0; \{2^3, 6, 18^{10}\})$	13463172
18	$\mathcal{O}(0; \{3, 6^2, 18^{10}\})$	53852688
18	$\mathcal{O}(0; \{2, 9, 18^{11}\})$	241982802
20	$\mathcal{O}(4; \{2^2, 10^2\})$	10200000000
20	$\mathcal{O}(4; \{10, 20^2\})$	61440000000
20	$\mathcal{O}(3; \{5^6\})$	51660000000
20	$\mathcal{O}(3; \{2^3, 5^3, 10\})$	3276000000
20	$\mathcal{O}(3; \{4^2, 5^3, 10\})$	6656000000
20	$\mathcal{O}(3; \{2^6, 10^2\})$	252000000
20	$\mathcal{O}(3; \{2^3, 4^2, 10^2\})$	512000000
20	$\mathcal{O}(3; \{4^4, 10^2\})$	2048000000
20	$\mathcal{O}(3; \{2, 5^2, 10^3\})$	12852000000
20	$\mathcal{O}(3; \{2^3, 4, 5^2, 20\})$	1536000000
20	$\mathcal{O}(3; \{4^3, 5^2, 20\})$	6144000000
20	$\mathcal{O}(3; \{2, 4, 5, 10^2, 20\})$	6656000000
20	$\mathcal{O}(3; \{2, 5^3, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{2^4, 10, 20^2\})$	1536000000
20	$\mathcal{O}(3; \{2, 4^2, 10, 20^2\})$	6144000000
20	$\mathcal{O}(3; \{2^2, 20^4\})$	26624000000
20	$\mathcal{O}(2; \{2^4, 5^6\})$	123000000
20	$\mathcal{O}(2; \{2, 4^2, 5^6\})$	262400000
20	$\mathcal{O}(2; \{2^7, 5^3, 10\})$	7800000
20	$\mathcal{O}(2; \{2^4, 4^2, 5^3, 10\})$	16640000
20	$\mathcal{O}(2; \{2, 4^4, 5^3, 10\})$	66560000
20	$\mathcal{O}(2; \{2^{10}, 10^2\})$	600000
20	$\mathcal{O}(2; \{2^7, 4^2, 10^2\})$	1280000
20	$\mathcal{O}(2; \{2^4, 4^4, 10^2\})$	5120000
20	$\mathcal{O}(2; \{2, 4^6, 10^2\})$	20480000
20	$\mathcal{O}(2; \{2^2, 5^5, 10^2\})$	491400000
20	$\mathcal{O}(2; \{2^5, 5^2, 10^3\})$	30600000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^2, 10^3\})$	65280000
20	$\mathcal{O}(2; \{5^4, 10^4\})$	1966200000
20	$\mathcal{O}(2; \{2^3, 5, 10^5\})$	123000000
20	$\mathcal{O}(2; \{4^2, 5, 10^5\})$	262400000
20	$\mathcal{O}(2; \{2, 10^7\})$	491400000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^7, 4, 5^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2^4, 4^3, 5^2, 20\})$	15360000
20	$\mathcal{O}(2; \{2, 4^5, 5^2, 20\})$	61440000
20	$\mathcal{O}(2; \{2^2, 4, 5^4, 10, 20\})$	262400000
20	$\mathcal{O}(2; \{2^5, 4, 5, 10^2, 20\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^3, 5, 10^2, 20\})$	66560000
20	$\mathcal{O}(2; \{4, 5^3, 10^3, 20\})$	1048320000
20	$\mathcal{O}(2; \{2^3, 4, 10^4, 20\})$	65280000
20	$\mathcal{O}(2; \{4^3, 10^4, 20\})$	261120000
20	$\mathcal{O}(2; \{2^5, 5^3, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^3, 20^2\})$	261120000
20	$\mathcal{O}(2; \{2^8, 10, 20^2\})$	3840000
20	$\mathcal{O}(2; \{2^5, 4^2, 10, 20^2\})$	15360000
20	$\mathcal{O}(2; \{2^2, 4^4, 10, 20^2\})$	61440000
20	$\mathcal{O}(2; \{5^5, 10, 20^2\})$	4194560000
20	$\mathcal{O}(2; \{2^3, 5^2, 10^2, 20^2\})$	262400000
20	$\mathcal{O}(2; \{4^2, 5^2, 10^2, 20^2\})$	1049600000
20	$\mathcal{O}(2; \{2, 5, 10^4, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{4, 5^4, 20^3\})$	4193280000
20	$\mathcal{O}(2; \{2^3, 4, 5, 10, 20^3\})$	261120000
20	$\mathcal{O}(2; \{4^3, 5, 10, 20^3\})$	1044480000
20	$\mathcal{O}(2; \{2, 4, 10^3, 20^3\})$	1049600000
20	$\mathcal{O}(2; \{2^6, 20^4\})$	66560000
20	$\mathcal{O}(2; \{2^3, 4^2, 20^4\})$	266240000
20	$\mathcal{O}(2; \{4^4, 20^4\})$	1064960000
20	$\mathcal{O}(2; \{2, 5^2, 10, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{2, 4, 5, 20^5\})$	4198400000
20	$\mathcal{O}(1; \{2^8, 5^6\})$	246000
20	$\mathcal{O}(1; \{2^5, 4^2, 5^6\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^4, 5^6\})$	2624000
20	$\mathcal{O}(1; \{5^{11}\})$	251658000
20	$\mathcal{O}(1; \{2^{11}, 5^3, 10\})$	15600
20	$\mathcal{O}(1; \{2^8, 4^2, 5^3, 10\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^4, 5^3, 10\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^6, 5^3, 10\})$	665600
20	$\mathcal{O}(1; \{2^3, 5^8, 10\})$	15728400
20	$\mathcal{O}(1; \{4^2, 5^8, 10\})$	41942400
20	$\mathcal{O}(1; \{2^{14}, 10^2\})$	1200
20	$\mathcal{O}(1; \{2^{11}, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{2^8, 4^4, 10^2\})$	12800
20	$\mathcal{O}(1; \{2^5, 4^6, 10^2\})$	51200
20	$\mathcal{O}(1; \{2^2, 4^8, 10^2\})$	204800
20	$\mathcal{O}(1; \{2^6, 5^5, 10^2\})$	982800

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^3, 4^2, 5^5, 10^2\})$	2620800
20	$\mathcal{O}(1; \{4^4, 5^5, 10^2\})$	10483200
20	$\mathcal{O}(1; \{2^9, 5^2, 10^3\})$	61200
20	$\mathcal{O}(1; \{2^6, 4^2, 5^2, 10^3\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^4, 5^2, 10^3\})$	652800
20	$\mathcal{O}(1; \{4^6, 5^2, 10^3\})$	2611200
20	$\mathcal{O}(1; \{2, 5^7, 10^3\})$	62914800
20	$\mathcal{O}(1; \{2^4, 5^4, 10^4\})$	3932400
20	$\mathcal{O}(1; \{2, 4^2, 5^4, 10^4\})$	10486400
20	$\mathcal{O}(1; \{2^7, 5, 10^5\})$	246000
20	$\mathcal{O}(1; \{2^4, 4^2, 5, 10^5\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 5, 10^5\})$	2624000
20	$\mathcal{O}(1; \{2^2, 5^3, 10^6\})$	15728400
20	$\mathcal{O}(1; \{2^5, 10^7\})$	982800
20	$\mathcal{O}(1; \{2^2, 4^2, 10^7\})$	2620800
20	$\mathcal{O}(1; \{5^2, 10^8\})$	62914800
20	$\mathcal{O}(1; \{2^{11}, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^8, 4^3, 5^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^5, 4^5, 5^2, 20\})$	153600
20	$\mathcal{O}(1; \{2^2, 4^7, 5^2, 20\})$	614400
20	$\mathcal{O}(1; \{2^3, 4, 5^7, 20\})$	10486400
20	$\mathcal{O}(1; \{4^3, 5^7, 20\})$	41945600
20	$\mathcal{O}(1; \{2^6, 4, 5^4, 10, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^3, 5^4, 10, 20\})$	2624000
20	$\mathcal{O}(1; \{4^5, 5^4, 10, 20\})$	10496000
20	$\mathcal{O}(1; \{2^9, 4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^3, 5, 10^2, 20\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^5, 5, 10^2, 20\})$	665600
20	$\mathcal{O}(1; \{4^7, 5, 10^2, 20\})$	2662400
20	$\mathcal{O}(1; \{2, 4, 5^6, 10^2, 20\})$	41942400
20	$\mathcal{O}(1; \{2^4, 4, 5^3, 10^3, 20\})$	2620800
20	$\mathcal{O}(1; \{2, 4^3, 5^3, 10^3, 20\})$	10483200
20	$\mathcal{O}(1; \{2^7, 4, 10^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4^3, 10^4, 20\})$	652800
20	$\mathcal{O}(1; \{2, 4^5, 10^4, 20\})$	2611200
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 10^5, 20\})$	10486400
20	$\mathcal{O}(1; \{4, 5, 10^7, 20\})$	41942400
20	$\mathcal{O}(1; \{2^9, 5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^6, 4^2, 5^3, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^3, 4^4, 5^3, 20^2\})$	2611200
20	$\mathcal{O}(1; \{4^6, 5^3, 20^2\})$	10444800
20	$\mathcal{O}(1; \{2, 5^8, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^{12}, 10, 20^2\})$	9600

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^9, 4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^6, 4^4, 10, 20^2\})$	153600
20	$\mathcal{O}(1; \{2^3, 4^6, 10, 20^2\})$	614400
20	$\mathcal{O}(1; \{4^8, 10, 20^2\})$	2457600
20	$\mathcal{O}(1; \{2^4, 5^5, 10, 20^2\})$	10486400
20	$\mathcal{O}(1; \{2, 4^2, 5^5, 10, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^7, 5^2, 10^2, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^2, 10^2, 20^2\})$	2624000
20	$\mathcal{O}(1; \{2, 4^4, 5^2, 10^2, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^2, 5^4, 10^3, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 5, 10^4, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10^4, 20^2\})$	10483200
20	$\mathcal{O}(1; \{5^3, 10^5, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^3, 10^6, 20^2\})$	10486400
20	$\mathcal{O}(1; \{4^2, 10^6, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^4, 4, 5^4, 20^3\})$	10483200
20	$\mathcal{O}(1; \{2, 4^3, 5^4, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2^7, 4, 5, 10, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^4, 4^3, 5, 10, 20^3\})$	2611200
20	$\mathcal{O}(1; \{2, 4^5, 5, 10, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2^2, 4, 5^3, 10^2, 20^3\})$	41945600
20	$\mathcal{O}(1; \{2^5, 4, 10^3, 20^3\})$	2624000
20	$\mathcal{O}(1; \{2^2, 4^3, 10^3, 20^3\})$	10496000
20	$\mathcal{O}(1; \{4, 5^2, 10^4, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^{10}, 20^4\})$	166400
20	$\mathcal{O}(1; \{2^7, 4^2, 20^4\})$	665600
20	$\mathcal{O}(1; \{2^4, 4^4, 20^4\})$	2662400
20	$\mathcal{O}(1; \{2, 4^6, 20^4\})$	10649600
20	$\mathcal{O}(1; \{2^2, 5^5, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^5, 5^2, 10, 20^4\})$	10483200
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2, 10, 20^4\})$	41932800
20	$\mathcal{O}(1; \{5^4, 10^2, 20^4\})$	671091200
20	$\mathcal{O}(1; \{2^3, 5, 10^3, 20^4\})$	41945600
20	$\mathcal{O}(1; \{4^2, 5, 10^3, 20^4\})$	167782400
20	$\mathcal{O}(1; \{2, 10^5, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^5, 4, 5, 20^5\})$	10496000
20	$\mathcal{O}(1; \{2^2, 4^3, 5, 20^5\})$	41984000
20	$\mathcal{O}(1; \{4, 5^3, 10, 20^5\})$	671078400
20	$\mathcal{O}(1; \{2^3, 4, 10^2, 20^5\})$	41932800
20	$\mathcal{O}(1; \{4^3, 10^2, 20^5\})$	167731200
20	$\mathcal{O}(1; \{2^3, 5^2, 20^6\})$	167782400
20	$\mathcal{O}(1; \{4^2, 5^2, 20^6\})$	671129600
20	$\mathcal{O}(1; \{2, 5, 10^2, 20^6\})$	671078400

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 4, 10, 20^7\})$	671129600
20	$\mathcal{O}(0; \{2^9, 4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^4, 5^6\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^6, 5^6\})$	26240
20	$\mathcal{O}(0; \{4^8, 5^6\})$	104960
20	$\mathcal{O}(0; \{2, 4^2, 5^{11}\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2^9, 4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{2^6, 4^6, 5^3, 10\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^8, 5^3, 10\})$	6656
20	$\mathcal{O}(0; \{4^{10}, 5^3, 10\})$	26624
20	$\mathcal{O}(0; \{2^4, 4^2, 5^8, 10\})$	104856
20	$\mathcal{O}(0; \{2, 4^4, 5^8, 10\})$	419424
20	$\mathcal{O}(0; \{2^{15}, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^{12}, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2^9, 4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{2^6, 4^8, 10^2\})$	512
20	$\mathcal{O}(0; \{2^3, 4^{10}, 10^2\})$	2048
20	$\mathcal{O}(0; \{4^{12}, 10^2\})$	8192
20	$\mathcal{O}(0; \{2^7, 4^2, 5^5, 10^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^4, 5^5, 10^2\})$	26208
20	$\mathcal{O}(0; \{2, 4^6, 5^5, 10^2\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{2^7, 4^4, 5^2, 10^3\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^6, 5^2, 10^3\})$	6528
20	$\mathcal{O}(0; \{2, 4^8, 5^2, 10^3\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^2, 5^7, 10^3\})$	419432
20	$\mathcal{O}(0; \{2^5, 4^2, 5^4, 10^4\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^4, 10^4\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 5, 10^5\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 5, 10^5\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 5, 10^5\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^6, 10^5\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10^6\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^3, 10^6\})$	419424
20	$\mathcal{O}(0; \{2^6, 4^2, 10^7\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^4, 10^7\})$	26208
20	$\mathcal{O}(0; \{4^6, 10^7\})$	104832
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^8\})$	419432
20	$\mathcal{O}(0; \{2^{15}, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{2^{12}, 4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{2^9, 4^5, 5^2, 20\})$	384
20	$\mathcal{O}(0; \{2^6, 4^7, 5^2, 20\})$	1536

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^9, 5^2, 20\})$	6144
20	$\mathcal{O}(0; \{4^{11}, 5^2, 20\})$	24576
20	$\mathcal{O}(0; \{2^7, 4, 5^7, 20\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^3, 5^7, 20\})$	104864
20	$\mathcal{O}(0; \{2, 4^5, 5^7, 20\})$	419456
20	$\mathcal{O}(0; \{2^{10}, 4, 5^4, 10, 20\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^3, 5^4, 10, 20\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^5, 5^4, 10, 20\})$	26240
20	$\mathcal{O}(0; \{2, 4^7, 5^4, 10, 20\})$	104960
20	$\mathcal{O}(0; \{2^2, 4, 5^9, 10, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{13}, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^3, 5, 10^2, 20\})$	416
20	$\mathcal{O}(0; \{2^7, 4^5, 5, 10^2, 20\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^7, 5, 10^2, 20\})$	6656
20	$\mathcal{O}(0; \{2, 4^9, 5, 10^2, 20\})$	26624
20	$\mathcal{O}(0; \{2^5, 4, 5^6, 10^2, 20\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^3, 5^6, 10^2, 20\})$	419424
20	$\mathcal{O}(0; \{2^8, 4, 5^3, 10^3, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^3, 5^3, 10^3, 20\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^5, 5^3, 10^3, 20\})$	104832
20	$\mathcal{O}(0; \{4, 5^8, 10^3, 20\})$	6710888
20	$\mathcal{O}(0; \{2^{11}, 4, 10^4, 20\})$	408
20	$\mathcal{O}(0; \{2^8, 4^3, 10^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 4^5, 10^4, 20\})$	6528
20	$\mathcal{O}(0; \{2^2, 4^7, 10^4, 20\})$	26112
20	$\mathcal{O}(0; \{2^3, 4, 5^5, 10^4, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^5, 10^4, 20\})$	1677728
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 10^5, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 10^5, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5^2, 10^5, 20\})$	419456
20	$\mathcal{O}(0; \{2, 4, 5^4, 10^6, 20\})$	1677720
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^7, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^7, 20\})$	419424
20	$\mathcal{O}(0; \{2^2, 4, 10^9, 20\})$	419432
20	$\mathcal{O}(0; \{2^{13}, 5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^4, 5^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^4, 4^6, 5^3, 20^2\})$	26112
20	$\mathcal{O}(0; \{2, 4^8, 5^3, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^5, 5^8, 20^2\})$	419432
20	$\mathcal{O}(0; \{2^2, 4^2, 5^8, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^{16}, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{2^{13}, 4^2, 10, 20^2\})$	96

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^{10}, 4^4, 10, 20^2\})$	384
20	$\mathcal{O}(0; \{2^7, 4^6, 10, 20^2\})$	1536
20	$\mathcal{O}(0; \{2^4, 4^8, 10, 20^2\})$	6144
20	$\mathcal{O}(0; \{2, 4^{10}, 10, 20^2\})$	24576
20	$\mathcal{O}(0; \{2^8, 5^5, 10, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^5, 4^2, 5^5, 10, 20^2\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^4, 5^5, 10, 20^2\})$	419456
20	$\mathcal{O}(0; \{5^{10}, 10, 20^2\})$	26843544
20	$\mathcal{O}(0; \{2^{11}, 5^2, 10^2, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^8, 4^2, 5^2, 10^2, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^4, 5^2, 10^2, 20^2\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^6, 5^2, 10^2, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^3, 5^7, 10^2, 20^2\})$	1677720
20	$\mathcal{O}(0; \{4^2, 5^7, 10^2, 20^2\})$	6710880
20	$\mathcal{O}(0; \{2^6, 5^4, 10^3, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 4^2, 5^4, 10^3, 20^2\})$	419424
20	$\mathcal{O}(0; \{4^4, 5^4, 10^3, 20^2\})$	1677696
20	$\mathcal{O}(0; \{2^9, 5, 10^4, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 10^4, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 10^4, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 5, 10^4, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^6, 10^4, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^4, 5^3, 10^5, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10^5, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^7, 10^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^2, 10^6, 20^2\})$	104864
20	$\mathcal{O}(0; \{2, 4^4, 10^6, 20^2\})$	419456
20	$\mathcal{O}(0; \{2^2, 5^2, 10^7, 20^2\})$	1677720
20	$\mathcal{O}(0; \{5, 10^9, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^8, 4, 5^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^5, 4^3, 5^4, 20^3\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^5, 5^4, 20^3\})$	419328
20	$\mathcal{O}(0; \{4, 5^9, 20^3\})$	26843552
20	$\mathcal{O}(0; \{2^{11}, 4, 5, 10, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^8, 4^3, 5, 10, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^5, 4^5, 5, 10, 20^3\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^7, 5, 10, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^3, 4, 5^6, 10, 20^3\})$	1677728
20	$\mathcal{O}(0; \{4^3, 5^6, 10, 20^3\})$	6710912
20	$\mathcal{O}(0; \{2^6, 4, 5^3, 10^2, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^3, 5^3, 10^2, 20^3\})$	419456
20	$\mathcal{O}(0; \{4^5, 5^3, 10^2, 20^3\})$	1677824
20	$\mathcal{O}(0; \{2^9, 4, 10^3, 20^3\})$	6560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^6, 4^3, 10^3, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^3, 4^5, 10^3, 20^3\})$	104960
20	$\mathcal{O}(0; \{4^7, 10^3, 20^3\})$	419840
20	$\mathcal{O}(0; \{2, 4, 5^5, 10^3, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 10^4, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 10^4, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^6, 20^3\})$	1677728
20	$\mathcal{O}(0; \{4, 10^8, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^{14}, 20^4\})$	416
20	$\mathcal{O}(0; \{2^{11}, 4^2, 20^4\})$	1664
20	$\mathcal{O}(0; \{2^8, 4^4, 20^4\})$	6656
20	$\mathcal{O}(0; \{2^5, 4^6, 20^4\})$	26624
20	$\mathcal{O}(0; \{2^2, 4^8, 20^4\})$	106496
20	$\mathcal{O}(0; \{2^6, 5^5, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^3, 4^2, 5^5, 20^4\})$	1677696
20	$\mathcal{O}(0; \{4^4, 5^5, 20^4\})$	6710784
20	$\mathcal{O}(0; \{2^9, 5^2, 10, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2, 10, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2, 10, 20^4\})$	419328
20	$\mathcal{O}(0; \{4^6, 5^2, 10, 20^4\})$	1677312
20	$\mathcal{O}(0; \{2, 5^7, 10, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^4, 5^4, 10^2, 20^4\})$	1677728
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10^2, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^7, 5, 10^3, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10^3, 20^4\})$	419456
20	$\mathcal{O}(0; \{2, 4^4, 5, 10^3, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^2, 5^3, 10^4, 20^4\})$	6710880
20	$\mathcal{O}(0; \{2^5, 10^5, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^2, 10^5, 20^4\})$	1677696
20	$\mathcal{O}(0; \{5^2, 10^6, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^9, 4, 5, 20^5\})$	26240
20	$\mathcal{O}(0; \{2^6, 4^3, 5, 20^5\})$	104960
20	$\mathcal{O}(0; \{2^3, 4^5, 5, 20^5\})$	419840
20	$\mathcal{O}(0; \{4^7, 5, 20^5\})$	1679360
20	$\mathcal{O}(0; \{2, 4, 5^6, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^4, 4, 5^3, 10, 20^5\})$	1677696
20	$\mathcal{O}(0; \{2, 4^3, 5^3, 10, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^7, 4, 10^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^4, 4^3, 10^2, 20^5\})$	419328
20	$\mathcal{O}(0; \{2, 4^5, 10^2, 20^5\})$	1677312
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10^3, 20^5\})$	6710912
20	$\mathcal{O}(0; \{4, 5, 10^5, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^7, 5^2, 20^6\})$	419456

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 20^6\})$	1677824
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 20^6\})$	6711296
20	$\mathcal{O}(0; \{2^2, 5^4, 10, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^5, 5, 10^2, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^2, 20^6\})$	6710784
20	$\mathcal{O}(0; \{5^3, 10^3, 20^6\})$	107374208
20	$\mathcal{O}(0; \{2^3, 10^4, 20^6\})$	6710912
20	$\mathcal{O}(0; \{4^2, 10^4, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 20^7\})$	26843648
20	$\mathcal{O}(0; \{2^5, 4, 10, 20^7\})$	1677824
20	$\mathcal{O}(0; \{2^2, 4^3, 10, 20^7\})$	6711296
20	$\mathcal{O}(0; \{4, 5^2, 10^2, 20^7\})$	107374080
20	$\mathcal{O}(0; \{5^4, 20^8\})$	429496832
20	$\mathcal{O}(0; \{2^3, 5, 10, 20^8\})$	26843648
20	$\mathcal{O}(0; \{4^2, 5, 10, 20^8\})$	107374592
20	$\mathcal{O}(0; \{2, 10^3, 20^8\})$	107374080
20	$\mathcal{O}(0; \{2^3, 4, 20^9\})$	26843136
20	$\mathcal{O}(0; \{4^3, 20^9\})$	107372544
20	$\mathcal{O}(0; \{2, 5, 20^{10}\})$	429496320
21	$\mathcal{O}(3; \{3^4, 7^2\})$	3087580356
21	$\mathcal{O}(3; \{3, 7, 21^3\})$	95714991036
21	$\mathcal{O}(2; \{3^7, 7^2\})$	49009212
21	$\mathcal{O}(2; \{3^3, 7^4, 21\})$	1295243460
21	$\mathcal{O}(2; \{3^4, 7, 21^3\})$	1519285572
21	$\mathcal{O}(2; \{7^3, 21^4\})$	46663771140
21	$\mathcal{O}(2; \{3, 21^6\})$	54449234532
21	$\mathcal{O}(1; \{3^{10}, 7^2\})$	904932
21	$\mathcal{O}(1; \{3^6, 7^4, 21\})$	20559420
21	$\mathcal{O}(1; \{3^2, 7^6, 21^2\})$	634897116
21	$\mathcal{O}(1; \{3^7, 7, 21^3\})$	28052892
21	$\mathcal{O}(1; \{3^3, 7^3, 21^4\})$	740694780
21	$\mathcal{O}(1; \{3^4, 21^6\})$	1005379452
21	$\mathcal{O}(1; \{7^2, 21^7\})$	26665567740
21	$\mathcal{O}(0; \{3^{13}, 7^2\})$	16380
21	$\mathcal{O}(0; \{3^4, 7^9\})$	8638020
21	$\mathcal{O}(0; \{3^9, 7^4, 21\})$	379620
21	$\mathcal{O}(0; \{3^5, 7^6, 21^2\})$	10077732
21	$\mathcal{O}(0; \{3^{10}, 7, 21^3\})$	507780
21	$\mathcal{O}(0; \{3, 7^8, 21^3\})$	310968900
21	$\mathcal{O}(0; \{3^6, 7^3, 21^4\})$	13676580
21	$\mathcal{O}(0; \{3^2, 7^5, 21^5\})$	362797092
21	$\mathcal{O}(0; \{3^7, 21^6\})$	18198180
21	$\mathcal{O}(0; \{3^3, 7^2, 21^7\})$	492367140

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(0; \{7, 21^{10}\})$	17725227300
22	$\mathcal{O}(5; \emptyset)$	26533985365800
22	$\mathcal{O}(4; \{2^4\})$	54875873280
22	$\mathcal{O}(3; \{2^8\})$	113379840
22	$\mathcal{O}(2; \{2^{12}\})$	234240
22	$\mathcal{O}(2; \{2, 11^5, 22\})$	21296212960
22	$\mathcal{O}(1; \{2^{16}\})$	480
22	$\mathcal{O}(1; \{2^5, 11^5, 22\})$	44000440
22	$\mathcal{O}(1; \{2^3, 11^4, 22^3\})$	439999560
22	$\mathcal{O}(1; \{2, 11^3, 22^5\})$	4400000440
22	$\mathcal{O}(0; \{2^9, 11^5, 22\})$	90910
22	$\mathcal{O}(0; \{2^7, 11^4, 22^3\})$	909090
22	$\mathcal{O}(0; \{2^5, 11^3, 22^5\})$	9090910
22	$\mathcal{O}(0; \{2^3, 11^2, 22^7\})$	90909090
22	$\mathcal{O}(0; \{2, 11, 22^9\})$	909090910
23	$\mathcal{O}(1; \{23^8\})$	1262145091834
24	$\mathcal{O}(4; \{3^2\})$	219290664960
24	$\mathcal{O}(3; \{2^4, 3^2\})$	376233984
24	$\mathcal{O}(3; \{3^5\})$	1881169920
24	$\mathcal{O}(3; \{2, 3^2, 4^2\})$	752467968
24	$\mathcal{O}(3; \{2, 3^3, 6\})$	1128701952
24	$\mathcal{O}(3; \{2^2, 3, 6^2\})$	376233984
24	$\mathcal{O}(3; \{6^4\})$	1128701952
24	$\mathcal{O}(3; \{2^2, 3, 4, 12\})$	752467968
24	$\mathcal{O}(3; \{4, 6^2, 12\})$	752467968
24	$\mathcal{O}(3; \{3, 8^2, 12\})$	3057647616
24	$\mathcal{O}(3; \{2^3, 12^2\})$	752467968
24	$\mathcal{O}(3; \{4^2, 12^2\})$	3009871872
24	$\mathcal{O}(3; \{3, 6, 12^2\})$	2257403904
24	$\mathcal{O}(3; \{3, 6, 8, 24\})$	1528823808
24	$\mathcal{O}(3; \{3, 4, 24^2\})$	3057647616
24	$\mathcal{O}(3; \{2, 12, 24^2\})$	3057647616
24	$\mathcal{O}(2; \{2^8, 3^2\})$	622080
24	$\mathcal{O}(2; \{2^4, 3^5\})$	3110400
24	$\mathcal{O}(2; \{3^8\})$	26749440
24	$\mathcal{O}(2; \{2^5, 3^2, 4^2\})$	1244160
24	$\mathcal{O}(2; \{2, 3^5, 4^2\})$	6220800
24	$\mathcal{O}(2; \{2^2, 3^2, 4^4\})$	4976640
24	$\mathcal{O}(2; \{2^5, 3^3, 6\})$	1866240
24	$\mathcal{O}(2; \{2, 3^6, 6\})$	13063680
24	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6\})$	3732480
24	$\mathcal{O}(2; \{2^6, 3, 6^2\})$	622080
24	$\mathcal{O}(2; \{2^2, 3^4, 6^2\})$	6842880

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^2\})$	1244160
24	$\mathcal{O}(2; \{3, 4^4, 6^2\})$	4976640
24	$\mathcal{O}(2; \{2^3, 3^2, 6^3\})$	3110400
24	$\mathcal{O}(2; \{3^2, 4^2, 6^3\})$	6220800
24	$\mathcal{O}(2; \{2^4, 6^4\})$	1866240
24	$\mathcal{O}(2; \{3^3, 6^4\})$	13063680
24	$\mathcal{O}(2; \{2, 4^2, 6^4\})$	3732480
24	$\mathcal{O}(2; \{2, 3, 6^5\})$	6842880
24	$\mathcal{O}(2; \{2^3, 3^2, 4, 8^2\})$	5308416
24	$\mathcal{O}(2; \{3^2, 4^3, 8^2\})$	21233664
24	$\mathcal{O}(2; \{3^3, 4, 6, 8^2\})$	15925248
24	$\mathcal{O}(2; \{2, 3, 4, 6^2, 8^2\})$	5308416
24	$\mathcal{O}(2; \{2, 3^2, 8^4\})$	42467328
24	$\mathcal{O}(2; \{2^6, 3, 4, 12\})$	1244160
24	$\mathcal{O}(2; \{2^2, 3^4, 4, 12\})$	6220800
24	$\mathcal{O}(2; \{2^3, 3, 4^3, 12\})$	4976640
24	$\mathcal{O}(2; \{3, 4^5, 12\})$	19906560
24	$\mathcal{O}(2; \{2^3, 3^2, 4, 6, 12\})$	3732480
24	$\mathcal{O}(2; \{3^2, 4^3, 6, 12\})$	14929920
24	$\mathcal{O}(2; \{2^4, 4, 6^2, 12\})$	1244160
24	$\mathcal{O}(2; \{3^3, 4, 6^2, 12\})$	13685760
24	$\mathcal{O}(2; \{2, 4^3, 6^2, 12\})$	4976640
24	$\mathcal{O}(2; \{2, 3, 4, 6^3, 12\})$	6220800
24	$\mathcal{O}(2; \{2^4, 3, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{3^4, 8^2, 12\})$	26542080
24	$\mathcal{O}(2; \{2, 3, 4^2, 8^2, 12\})$	21233664
24	$\mathcal{O}(2; \{2, 3^2, 6, 8^2, 12\})$	15925248
24	$\mathcal{O}(2; \{2^2, 6^2, 8^2, 12\})$	5308416
24	$\mathcal{O}(2; \{2^7, 12^2\})$	1244160
24	$\mathcal{O}(2; \{2^3, 3^3, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2^4, 4^2, 12^2\})$	4976640
24	$\mathcal{O}(2; \{3^3, 4^2, 12^2\})$	24883200
24	$\mathcal{O}(2; \{2, 4^4, 12^2\})$	19906560
24	$\mathcal{O}(2; \{2^4, 3, 6, 12^2\})$	3732480
24	$\mathcal{O}(2; \{3^4, 6, 12^2\})$	26127360
24	$\mathcal{O}(2; \{2, 3, 4^2, 6, 12^2\})$	14929920
24	$\mathcal{O}(2; \{2, 3^2, 6^2, 12^2\})$	13685760
24	$\mathcal{O}(2; \{2^2, 6^3, 12^2\})$	6220800
24	$\mathcal{O}(2; \{2^2, 4, 8^2, 12^2\})$	21233664
24	$\mathcal{O}(2; \{8^4, 12^2\})$	169869312
24	$\mathcal{O}(2; \{2, 3^2, 4, 12^3\})$	24883200
24	$\mathcal{O}(2; \{2^2, 4, 6, 12^3\})$	14929920
24	$\mathcal{O}(2; \{6, 8^2, 12^3\})$	63700992

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^2, 3, 12^4\})$	24883200
24	$\mathcal{O}(2; \{6^2, 12^4\})$	54743040
24	$\mathcal{O}(2; \{4, 12^5\})$	99532800
24	$\mathcal{O}(2; \{2^3, 3^3, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{3^3, 4^2, 8, 24\})$	31850496
24	$\mathcal{O}(2; \{2^4, 3, 6, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{3^4, 6, 8, 24\})$	29196288
24	$\mathcal{O}(2; \{2, 3, 4^2, 6, 8, 24\})$	10616832
24	$\mathcal{O}(2; \{2, 3^2, 6^2, 8, 24\})$	13271040
24	$\mathcal{O}(2; \{2^2, 6^3, 8, 24\})$	7962624
24	$\mathcal{O}(2; \{2, 3^2, 4, 8, 12, 24\})$	31850496
24	$\mathcal{O}(2; \{2^2, 4, 6, 8, 12, 24\})$	10616832
24	$\mathcal{O}(2; \{6, 8^3, 12, 24\})$	84934656
24	$\mathcal{O}(2; \{2^2, 3, 8, 12^2, 24\})$	31850496
24	$\mathcal{O}(2; \{6^2, 8, 12^2, 24\})$	53084160
24	$\mathcal{O}(2; \{4, 8, 12^3, 24\})$	127401984
24	$\mathcal{O}(2; \{2^4, 3, 4, 24^2\})$	5308416
24	$\mathcal{O}(2; \{3^4, 4, 24^2\})$	58392576
24	$\mathcal{O}(2; \{2, 3, 4^3, 24^2\})$	21233664
24	$\mathcal{O}(2; \{2, 3^2, 4, 6, 24^2\})$	26542080
24	$\mathcal{O}(2; \{2^2, 4, 6^2, 24^2\})$	15925248
24	$\mathcal{O}(2; \{2^2, 3, 8^2, 24^2\})$	42467328
24	$\mathcal{O}(2; \{6^2, 8^2, 24^2\})$	127401984
24	$\mathcal{O}(2; \{2^5, 12, 24^2\})$	5308416
24	$\mathcal{O}(2; \{2, 3^3, 12, 24^2\})$	58392576
24	$\mathcal{O}(2; \{2^2, 4^2, 12, 24^2\})$	21233664
24	$\mathcal{O}(2; \{2^2, 3, 6, 12, 24^2\})$	26542080
24	$\mathcal{O}(2; \{6^3, 12, 24^2\})$	58392576
24	$\mathcal{O}(2; \{4, 8^2, 12, 24^2\})$	169869312
24	$\mathcal{O}(2; \{4, 6, 12^2, 24^2\})$	106168320
24	$\mathcal{O}(2; \{3, 12^3, 24^2\})$	233570304
24	$\mathcal{O}(2; \{4, 6, 8, 24^3\})$	254803968
24	$\mathcal{O}(2; \{3, 8, 12, 24^3\})$	424673280
24	$\mathcal{O}(2; \{2^3, 24^4\})$	127401984
24	$\mathcal{O}(2; \{4^2, 24^4\})$	509607936
24	$\mathcal{O}(2; \{3, 6, 24^4\})$	467140608
24	$\mathcal{O}(1; \{2^{12}, 3^2\})$	864
24	$\mathcal{O}(1; \{2^8, 3^5\})$	4320
24	$\mathcal{O}(1; \{2^4, 3^8\})$	37152
24	$\mathcal{O}(1; \{3^{11}\})$	294624
24	$\mathcal{O}(1; \{2^9, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{2^5, 3^5, 4^2\})$	8640
24	$\mathcal{O}(1; \{2, 3^8, 4^2\})$	74304

Continued on next page

Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^6, 3^2, 4^4\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^5, 4^4\})$	34560
24	$\mathcal{O}(1; \{2^3, 3^2, 4^6\})$	27648
24	$\mathcal{O}(1; \{3^2, 4^8\})$	110592
24	$\mathcal{O}(1; \{2^9, 3^3, 6\})$	2592
24	$\mathcal{O}(1; \{2^5, 3^6, 6\})$	18144
24	$\mathcal{O}(1; \{2, 3^9, 6\})$	147744
24	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6\})$	36288
24	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6\})$	20736
24	$\mathcal{O}(1; \{3^3, 4^6, 6\})$	82944
24	$\mathcal{O}(1; \{2^{10}, 3, 6^2\})$	864
24	$\mathcal{O}(1; \{2^6, 3^4, 6^2\})$	9504
24	$\mathcal{O}(1; \{2^2, 3^7, 6^2\})$	73440
24	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^2\})$	19008
24	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^2\})$	6912
24	$\mathcal{O}(1; \{3^4, 4^4, 6^2\})$	76032
24	$\mathcal{O}(1; \{2, 3, 4^6, 6^2\})$	27648
24	$\mathcal{O}(1; \{2^7, 3^2, 6^3\})$	4320
24	$\mathcal{O}(1; \{2^3, 3^5, 6^3\})$	37152
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^3\})$	8640
24	$\mathcal{O}(1; \{3^5, 4^2, 6^3\})$	74304
24	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^3\})$	34560
24	$\mathcal{O}(1; \{2^8, 6^4\})$	2592
24	$\mathcal{O}(1; \{2^4, 3^3, 6^4\})$	18144
24	$\mathcal{O}(1; \{3^6, 6^4\})$	147744
24	$\mathcal{O}(1; \{2^5, 4^2, 6^4\})$	5184
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^4\})$	36288
24	$\mathcal{O}(1; \{2^2, 4^4, 6^4\})$	20736
24	$\mathcal{O}(1; \{2^5, 3, 6^5\})$	9504
24	$\mathcal{O}(1; \{2, 3^4, 6^5\})$	73440
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^5\})$	19008
24	$\mathcal{O}(1; \{2^2, 3^2, 6^6\})$	37152
24	$\mathcal{O}(1; \{2^3, 6^7\})$	18144
24	$\mathcal{O}(1; \{4^2, 6^7\})$	36288
24	$\mathcal{O}(1; \{3, 6^8\})$	73440
24	$\mathcal{O}(1; \{2^7, 3^2, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^5, 4, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 8^2\})$	36864
24	$\mathcal{O}(1; \{3^5, 4^3, 8^2\})$	184320
24	$\mathcal{O}(1; \{2, 3^2, 4^5, 8^2\})$	147456
24	$\mathcal{O}(1; \{2^4, 3^3, 4, 6, 8^2\})$	27648

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^6, 4, 6, 8^2\})$	193536
24	$\mathcal{O}(1; \{2, 3^3, 4^3, 6, 8^2\})$	110592
24	$\mathcal{O}(1; \{2^5, 3, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 3^4, 4, 6^2, 8^2\})$	101376
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^2, 8^2\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^3, 8^2\})$	46080
24	$\mathcal{O}(1; \{2^3, 4, 6^4, 8^2\})$	27648
24	$\mathcal{O}(1; \{4^3, 6^4, 8^2\})$	110592
24	$\mathcal{O}(1; \{3, 4, 6^5, 8^2\})$	101376
24	$\mathcal{O}(1; \{2^5, 3^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{2, 3^5, 8^4\})$	368640
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{2^2, 3^3, 6, 8^4\})$	221184
24	$\mathcal{O}(1; \{2^3, 3, 6^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{3, 4^2, 6^2, 8^4\})$	294912
24	$\mathcal{O}(1; \{3^2, 6^3, 8^4\})$	368640
24	$\mathcal{O}(1; \{2, 6^4, 8^4\})$	221184
24	$\mathcal{O}(1; \{3^2, 4, 8^6\})$	2359296
24	$\mathcal{O}(1; \{2^{10}, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2^6, 3^4, 4, 12\})$	8640
24	$\mathcal{O}(1; \{2^2, 3^7, 4, 12\})$	74304
24	$\mathcal{O}(1; \{2^7, 3, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 12\})$	34560
24	$\mathcal{O}(1; \{2^4, 3, 4^5, 12\})$	27648
24	$\mathcal{O}(1; \{3^4, 4^5, 12\})$	138240
24	$\mathcal{O}(1; \{2, 3, 4^7, 12\})$	110592
24	$\mathcal{O}(1; \{2^7, 3^2, 4, 6, 12\})$	5184
24	$\mathcal{O}(1; \{2^3, 3^5, 4, 6, 12\})$	36288
24	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6, 12\})$	20736
24	$\mathcal{O}(1; \{3^5, 4^3, 6, 12\})$	145152
24	$\mathcal{O}(1; \{2, 3^2, 4^5, 6, 12\})$	82944
24	$\mathcal{O}(1; \{2^8, 4, 6^2, 12\})$	1728
24	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^2, 12\})$	19008
24	$\mathcal{O}(1; \{3^6, 4, 6^2, 12\})$	146880
24	$\mathcal{O}(1; \{2^5, 4^3, 6^2, 12\})$	6912
24	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^2, 12\})$	76032
24	$\mathcal{O}(1; \{2^2, 4^5, 6^2, 12\})$	27648
24	$\mathcal{O}(1; \{2^5, 3, 4, 6^3, 12\})$	8640
24	$\mathcal{O}(1; \{2, 3^4, 4, 6^3, 12\})$	74304
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^3, 12\})$	34560
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^4, 12\})$	36288
24	$\mathcal{O}(1; \{2^3, 4, 6^5, 12\})$	19008
24	$\mathcal{O}(1; \{4^3, 6^5, 12\})$	76032

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 4, 6^6, 12\})$	74304
24	$\mathcal{O}(1; \{2^8, 3, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^4, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{3^7, 8^2, 12\})$	396288
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 8^2, 12\})$	184320
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^5, 3^2, 6, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{2, 3^5, 6, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6, 8^2, 12\})$	110592
24	$\mathcal{O}(1; \{2^6, 6^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^3, 4^2, 6^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{4^4, 6^2, 8^2, 12\})$	147456
24	$\mathcal{O}(1; \{2^3, 3, 6^3, 8^2, 12\})$	46080
24	$\mathcal{O}(1; \{3, 4^2, 6^3, 8^2, 12\})$	184320
24	$\mathcal{O}(1; \{3^2, 6^4, 8^2, 12\})$	193536
24	$\mathcal{O}(1; \{2, 6^5, 8^2, 12\})$	101376
24	$\mathcal{O}(1; \{2^3, 3, 4, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{3, 4^3, 8^4, 12\})$	1179648
24	$\mathcal{O}(1; \{3^2, 4, 6, 8^4, 12\})$	884736
24	$\mathcal{O}(1; \{2, 4, 6^2, 8^4, 12\})$	294912
24	$\mathcal{O}(1; \{2, 3, 8^6, 12\})$	2359296
24	$\mathcal{O}(1; \{2^{11}, 12^2\})$	1728
24	$\mathcal{O}(1; \{2^7, 3^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^3, 3^6, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^8, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 12^2\})$	34560
24	$\mathcal{O}(1; \{3^6, 4^2, 12^2\})$	297216
24	$\mathcal{O}(1; \{2^5, 4^4, 12^2\})$	27648
24	$\mathcal{O}(1; \{2, 3^3, 4^4, 12^2\})$	138240
24	$\mathcal{O}(1; \{2^2, 4^6, 12^2\})$	110592
24	$\mathcal{O}(1; \{2^8, 3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^4, 3^4, 6, 12^2\})$	36288
24	$\mathcal{O}(1; \{3^7, 6, 12^2\})$	295488
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 12^2\})$	20736
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 12^2\})$	145152
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 12^2\})$	82944
24	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 12^2\})$	19008
24	$\mathcal{O}(1; \{2, 3^5, 6^2, 12^2\})$	146880
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 12^2\})$	76032
24	$\mathcal{O}(1; \{2^6, 6^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 12^2\})$	74304

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 12^2\})$	34560
24	$\mathcal{O}(1; \{4^4, 6^3, 12^2\})$	138240
24	$\mathcal{O}(1; \{2^3, 3, 6^4, 12^2\})$	36288
24	$\mathcal{O}(1; \{3, 4^2, 6^4, 12^2\})$	145152
24	$\mathcal{O}(1; \{3^2, 6^5, 12^2\})$	146880
24	$\mathcal{O}(1; \{2, 6^6, 12^2\})$	74304
24	$\mathcal{O}(1; \{2^6, 4, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2^3, 4^3, 8^2, 12^2\})$	147456
24	$\mathcal{O}(1; \{4^5, 8^2, 12^2\})$	589824
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 8^2, 12^2\})$	110592
24	$\mathcal{O}(1; \{3, 4^3, 6, 8^2, 12^2\})$	442368
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 8^2, 12^2\})$	405504
24	$\mathcal{O}(1; \{2, 4, 6^3, 8^2, 12^2\})$	184320
24	$\mathcal{O}(1; \{2^4, 8^4, 12^2\})$	294912
24	$\mathcal{O}(1; \{3^3, 8^4, 12^2\})$	1474560
24	$\mathcal{O}(1; \{2, 4^2, 8^4, 12^2\})$	1179648
24	$\mathcal{O}(1; \{2, 3, 6, 8^4, 12^2\})$	884736
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 12^3\})$	34560
24	$\mathcal{O}(1; \{2, 3^5, 4, 12^3\})$	297216
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 12^3\})$	138240
24	$\mathcal{O}(1; \{2^6, 4, 6, 12^3\})$	20736
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^3, 4^3, 6, 12^3\})$	82944
24	$\mathcal{O}(1; \{4^5, 6, 12^3\})$	331776
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 12^3\})$	76032
24	$\mathcal{O}(1; \{3, 4^3, 6^2, 12^3\})$	304128
24	$\mathcal{O}(1; \{3^2, 4, 6^3, 12^3\})$	297216
24	$\mathcal{O}(1; \{2, 4, 6^4, 12^3\})$	145152
24	$\mathcal{O}(1; \{2^3, 3^2, 8^2, 12^3\})$	184320
24	$\mathcal{O}(1; \{3^2, 4^2, 8^2, 12^3\})$	737280
24	$\mathcal{O}(1; \{2^4, 6, 8^2, 12^3\})$	110592
24	$\mathcal{O}(1; \{3^3, 6, 8^2, 12^3\})$	774144
24	$\mathcal{O}(1; \{2, 4^2, 6, 8^2, 12^3\})$	442368
24	$\mathcal{O}(1; \{2, 3, 6^2, 8^2, 12^3\})$	405504
24	$\mathcal{O}(1; \{2^6, 3, 12^4\})$	34560
24	$\mathcal{O}(1; \{2^2, 3^4, 12^4\})$	297216
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 12^4\})$	138240
24	$\mathcal{O}(1; \{3, 4^4, 12^4\})$	552960
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 12^4\})$	145152
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 12^4\})$	580608
24	$\mathcal{O}(1; \{2^4, 6^2, 12^4\})$	76032
24	$\mathcal{O}(1; \{3^3, 6^2, 12^4\})$	587520

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 12^4\})$	304128
24	$\mathcal{O}(1; \{2, 3, 6^3, 12^4\})$	297216
24	$\mathcal{O}(1; \{2, 3, 4, 8^2, 12^4\})$	737280
24	$\mathcal{O}(1; \{2^4, 4, 12^5\})$	138240
24	$\mathcal{O}(1; \{3^3, 4, 12^5\})$	1188864
24	$\mathcal{O}(1; \{2, 4^3, 12^5\})$	552960
24	$\mathcal{O}(1; \{2, 3, 4, 6, 12^5\})$	580608
24	$\mathcal{O}(1; \{2^2, 8^2, 12^5\})$	737280
24	$\mathcal{O}(1; \{2, 3^2, 12^6\})$	1188864
24	$\mathcal{O}(1; \{2^2, 6, 12^6\})$	580608
24	$\mathcal{O}(1; \{12^8\})$	4755456
24	$\mathcal{O}(1; \{2^7, 3^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^3, 3^6, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 8, 24\})$	55296
24	$\mathcal{O}(1; \{3^6, 4^2, 8, 24\})$	387072
24	$\mathcal{O}(1; \{2, 3^3, 4^4, 8, 24\})$	221184
24	$\mathcal{O}(1; \{2^8, 3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^4, 6, 8, 24\})$	50688
24	$\mathcal{O}(1; \{3^7, 6, 8, 24\})$	391680
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 8, 24\})$	202752
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 8, 24\})$	73728
24	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 3^5, 6^2, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 8, 24\})$	92160
24	$\mathcal{O}(1; \{2^6, 6^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 8, 24\})$	55296
24	$\mathcal{O}(1; \{4^4, 6^3, 8, 24\})$	221184
24	$\mathcal{O}(1; \{2^3, 3, 6^4, 8, 24\})$	50688
24	$\mathcal{O}(1; \{3, 4^2, 6^4, 8, 24\})$	202752
24	$\mathcal{O}(1; \{3^2, 6^5, 8, 24\})$	198144
24	$\mathcal{O}(1; \{2, 6^6, 8, 24\})$	96768
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 8^3, 24\})$	147456
24	$\mathcal{O}(1; \{3, 4^3, 6, 8^3, 24\})$	589824
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 8^3, 24\})$	737280
24	$\mathcal{O}(1; \{2, 4, 6^3, 8^3, 24\})$	442368
24	$\mathcal{O}(1; \{3^3, 8^5, 24\})$	3538944
24	$\mathcal{O}(1; \{2, 3, 6, 8^5, 24\})$	1179648
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{2, 3^5, 4, 8, 12, 24\})$	387072
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 8, 12, 24\})$	221184

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^6, 4, 6, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 4^3, 6, 8, 12, 24\})$	73728
24	$\mathcal{O}(1; \{4^5, 6, 8, 12, 24\})$	294912
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 8, 12, 24\})$	92160
24	$\mathcal{O}(1; \{3, 4^3, 6^2, 8, 12, 24\})$	368640
24	$\mathcal{O}(1; \{3^2, 4, 6^3, 8, 12, 24\})$	387072
24	$\mathcal{O}(1; \{2, 4, 6^4, 8, 12, 24\})$	202752
24	$\mathcal{O}(1; \{2^3, 3^2, 8^3, 12, 24\})$	442368
24	$\mathcal{O}(1; \{3^2, 4^2, 8^3, 12, 24\})$	1769472
24	$\mathcal{O}(1; \{2^4, 6, 8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{3^3, 6, 8^3, 12, 24\})$	1622016
24	$\mathcal{O}(1; \{2, 4^2, 6, 8^3, 12, 24\})$	589824
24	$\mathcal{O}(1; \{2, 3, 6^2, 8^3, 12, 24\})$	737280
24	$\mathcal{O}(1; \{2^6, 3, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^4, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 8, 12^2, 24\})$	221184
24	$\mathcal{O}(1; \{3, 4^4, 8, 12^2, 24\})$	884736
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8, 12^2, 24\})$	202752
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8, 12^2, 24\})$	811008
24	$\mathcal{O}(1; \{2^4, 6^2, 8, 12^2, 24\})$	92160
24	$\mathcal{O}(1; \{3^3, 6^2, 8, 12^2, 24\})$	792576
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8, 12^2, 24\})$	368640
24	$\mathcal{O}(1; \{2, 3, 6^3, 8, 12^2, 24\})$	387072
24	$\mathcal{O}(1; \{2, 3, 4, 8^3, 12^2, 24\})$	1769472
24	$\mathcal{O}(1; \{2^4, 4, 8, 12^3, 24\})$	221184
24	$\mathcal{O}(1; \{3^3, 4, 8, 12^3, 24\})$	1548288
24	$\mathcal{O}(1; \{2, 4^3, 8, 12^3, 24\})$	884736
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8, 12^3, 24\})$	811008
24	$\mathcal{O}(1; \{2^2, 8^3, 12^3, 24\})$	1769472
24	$\mathcal{O}(1; \{2, 3^2, 8, 12^4, 24\})$	1548288
24	$\mathcal{O}(1; \{2^2, 6, 8, 12^4, 24\})$	811008
24	$\mathcal{O}(1; \{8, 12^6, 24\})$	6193152
24	$\mathcal{O}(1; \{2^8, 3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^4, 4, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^7, 4, 24^2\})$	783360
24	$\mathcal{O}(1; \{2^5, 3, 4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{2, 3^4, 4^3, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^2, 3, 4^5, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 6, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 3^5, 4, 6, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6, 24^2\})$	184320
24	$\mathcal{O}(1; \{2^6, 4, 6^2, 24^2\})$	27648

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^2, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^3, 4^3, 6^2, 24^2\})$	110592
24	$\mathcal{O}(1; \{4^5, 6^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^3, 24^2\})$	101376
24	$\mathcal{O}(1; \{3, 4^3, 6^3, 24^2\})$	405504
24	$\mathcal{O}(1; \{3^2, 4, 6^4, 24^2\})$	396288
24	$\mathcal{O}(1; \{2, 4, 6^5, 24^2\})$	193536
24	$\mathcal{O}(1; \{2^6, 3, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^4, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 8^2, 24^2\})$	294912
24	$\mathcal{O}(1; \{3, 4^4, 8^2, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^4, 6^2, 8^2, 24^2\})$	221184
24	$\mathcal{O}(1; \{3^3, 6^2, 8^2, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8^2, 24^2\})$	884736
24	$\mathcal{O}(1; \{2, 3, 6^3, 8^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 3, 4, 8^4, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^9, 12, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^5, 3^3, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{2, 3^6, 12, 24^2\})$	783360
24	$\mathcal{O}(1; \{2^6, 4^2, 12, 24^2\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{2^3, 4^4, 12, 24^2\})$	147456
24	$\mathcal{O}(1; \{4^6, 12, 24^2\})$	589824
24	$\mathcal{O}(1; \{2^6, 3, 6, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 3^4, 6, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6, 12, 24^2\})$	184320
24	$\mathcal{O}(1; \{3, 4^4, 6, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 12, 24^2\})$	193536
24	$\mathcal{O}(1; \{3^2, 4^2, 6^2, 12, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^4, 6^3, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{3^3, 6^3, 12, 24^2\})$	783360
24	$\mathcal{O}(1; \{2, 4^2, 6^3, 12, 24^2\})$	405504
24	$\mathcal{O}(1; \{2, 3, 6^4, 12, 24^2\})$	396288
24	$\mathcal{O}(1; \{2^4, 4, 8^2, 12, 24^2\})$	294912
24	$\mathcal{O}(1; \{3^3, 4, 8^2, 12, 24^2\})$	3244032
24	$\mathcal{O}(1; \{2, 4^3, 8^2, 12, 24^2\})$	1179648
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8^2, 12, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^2, 8^4, 12, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 12^2, 24^2\})$	405504
24	$\mathcal{O}(1; \{3^2, 4^3, 12^2, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^4, 4, 6, 12^2, 24^2\})$	184320

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^3, 4, 6, 12^2, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2, 4^3, 6, 12^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12^2, 24^2\})$	774144
24	$\mathcal{O}(1; \{2, 3^2, 8^2, 12^2, 24^2\})$	3244032
24	$\mathcal{O}(1; \{2^2, 6, 8^2, 12^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^4, 3, 12^3, 24^2\})$	405504
24	$\mathcal{O}(1; \{3^4, 12^3, 24^2\})$	3133440
24	$\mathcal{O}(1; \{2, 3, 4^2, 12^3, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2, 3^2, 6, 12^3, 24^2\})$	1585152
24	$\mathcal{O}(1; \{2^2, 6^2, 12^3, 24^2\})$	774144
24	$\mathcal{O}(1; \{2^2, 4, 12^4, 24^2\})$	1622016
24	$\mathcal{O}(1; \{8^2, 12^4, 24^2\})$	12976128
24	$\mathcal{O}(1; \{6, 12^5, 24^2\})$	6340608
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 8, 24^3\})$	737280
24	$\mathcal{O}(1; \{3^2, 4^3, 8, 24^3\})$	2949120
24	$\mathcal{O}(1; \{2^4, 4, 6, 8, 24^3\})$	442368
24	$\mathcal{O}(1; \{3^3, 4, 6, 8, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2, 4^3, 6, 8, 24^3\})$	1769472
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 8, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2, 3^2, 8^3, 24^3\})$	5898240
24	$\mathcal{O}(1; \{2^2, 6, 8^3, 24^3\})$	3538944
24	$\mathcal{O}(1; \{2^4, 3, 8, 12, 24^3\})$	737280
24	$\mathcal{O}(1; \{3^4, 8, 12, 24^3\})$	6340608
24	$\mathcal{O}(1; \{2, 3, 4^2, 8, 12, 24^3\})$	2949120
24	$\mathcal{O}(1; \{2, 3^2, 6, 8, 12, 24^3\})$	3096576
24	$\mathcal{O}(1; \{2^2, 6^2, 8, 12, 24^3\})$	1622016
24	$\mathcal{O}(1; \{2^2, 4, 8, 12^2, 24^3\})$	2949120
24	$\mathcal{O}(1; \{8^3, 12^2, 24^3\})$	23592960
24	$\mathcal{O}(1; \{6, 8, 12^3, 24^3\})$	12386304
24	$\mathcal{O}(1; \{2^7, 24^4\})$	221184
24	$\mathcal{O}(1; \{2^3, 3^3, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2^4, 4^2, 24^4\})$	884736
24	$\mathcal{O}(1; \{3^3, 4^2, 24^4\})$	6193152
24	$\mathcal{O}(1; \{2, 4^4, 24^4\})$	3538944
24	$\mathcal{O}(1; \{2^4, 3, 6, 24^4\})$	811008
24	$\mathcal{O}(1; \{3^4, 6, 24^4\})$	6266880
24	$\mathcal{O}(1; \{2, 3, 4^2, 6, 24^4\})$	3244032
24	$\mathcal{O}(1; \{2, 3^2, 6^2, 24^4\})$	3170304
24	$\mathcal{O}(1; \{2^2, 6^3, 24^4\})$	1548288
24	$\mathcal{O}(1; \{2^2, 4, 8^2, 24^4\})$	7077888
24	$\mathcal{O}(1; \{8^4, 24^4\})$	56623104
24	$\mathcal{O}(1; \{2, 3^2, 4, 12, 24^4\})$	6193152
24	$\mathcal{O}(1; \{2^2, 4, 6, 12, 24^4\})$	3244032

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{6, 8^2, 12, 24^4\})$	25952256
24	$\mathcal{O}(1; \{2^2, 3, 12^2, 24^4\})$	6193152
24	$\mathcal{O}(1; \{6^2, 12^2, 24^4\})$	12681216
24	$\mathcal{O}(1; \{4, 12^3, 24^4\})$	24772608
24	$\mathcal{O}(1; \{2^2, 3, 8, 24^5\})$	12976128
24	$\mathcal{O}(1; \{6^2, 8, 24^5\})$	24772608
24	$\mathcal{O}(1; \{4, 8, 12, 24^5\})$	51904512
24	$\mathcal{O}(1; \{4, 6, 24^6\})$	49545216
24	$\mathcal{O}(1; \{3, 12, 24^6\})$	101449728
24	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2^7, 3^5, 4, 8^2\})$	80
24	$\mathcal{O}(0; \{2^3, 3^8, 4, 8^2\})$	688
24	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 8^2\})$	320
24	$\mathcal{O}(0; \{3^8, 4^3, 8^2\})$	2752
24	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 8^2\})$	256
24	$\mathcal{O}(0; \{2, 3^5, 4^5, 8^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^8, 3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{2^4, 3^6, 4, 6, 8^2\})$	336
24	$\mathcal{O}(0; \{3^9, 4, 6, 8^2\})$	2736
24	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6, 8^2\})$	192
24	$\mathcal{O}(0; \{2, 3^6, 4^3, 6, 8^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6, 8^2\})$	768
24	$\mathcal{O}(0; \{2^9, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^2, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3^7, 4, 6^2, 8^2\})$	1360
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^2, 8^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^2, 8^2\})$	256
24	$\mathcal{O}(0; \{3, 4^7, 6^2, 8^2\})$	1024
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^3, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^3, 8^2\})$	688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^3, 8^2\})$	320
24	$\mathcal{O}(0; \{3^2, 4^5, 6^3, 8^2\})$	1280
24	$\mathcal{O}(0; \{2^7, 4, 6^4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^4, 8^2\})$	336
24	$\mathcal{O}(0; \{2^4, 4^3, 6^4, 8^2\})$	192
24	$\mathcal{O}(0; \{3^3, 4^3, 6^4, 8^2\})$	1344
24	$\mathcal{O}(0; \{2, 4^5, 6^4, 8^2\})$	768
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^5, 8^2\})$	176
24	$\mathcal{O}(0; \{3^4, 4, 6^5, 8^2\})$	1360
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^5, 8^2\})$	704

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^6, 8^2\})$	688
24	$\mathcal{O}(0; \{2^2, 4, 6^7, 8^2\})$	336
24	$\mathcal{O}(0; \{2^9, 3^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^5, 3^5, 8^4\})$	640
24	$\mathcal{O}(0; \{2, 3^8, 8^4\})$	5504
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 8^4\})$	512
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 8^4\})$	2048
24	$\mathcal{O}(0; \{3^2, 4^6, 8^4\})$	8192
24	$\mathcal{O}(0; \{2^6, 3^3, 6, 8^4\})$	384
24	$\mathcal{O}(0; \{2^2, 3^6, 6, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 8^4\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^4, 6, 8^4\})$	6144
24	$\mathcal{O}(0; \{2^7, 3, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 8^4\})$	1408
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 8^4\})$	5632
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 8^4\})$	2048
24	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 8^4\})$	640
24	$\mathcal{O}(0; \{3^5, 6^3, 8^4\})$	5504
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 8^4\})$	2560
24	$\mathcal{O}(0; \{2^5, 6^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^3, 6^4, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 8^4\})$	1536
24	$\mathcal{O}(0; \{2^2, 3, 6^5, 8^4\})$	1408
24	$\mathcal{O}(0; \{6^7, 8^4\})$	2688
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^6\})$	4096
24	$\mathcal{O}(0; \{3^5, 4, 8^6\})$	20480
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^6\})$	16384
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^6\})$	12288
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^6\})$	4096
24	$\mathcal{O}(0; \{4, 6^4, 8^6\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^2, 8^8\})$	32768
24	$\mathcal{O}(0; \{3, 6^2, 8^8\})$	32768
24	$\mathcal{O}(0; \{2^{12}, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^8, 3^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^4, 3^7, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{3^{10}, 8^2, 12\})$	5456
24	$\mathcal{O}(0; \{2^9, 3, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{2, 3^7, 4^2, 8^2, 12\})$	2752
24	$\mathcal{O}(0; \{2^6, 3, 4^4, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 8^2, 12\})$	1280

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4^6, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{3, 4^8, 8^2, 12\})$	4096
24	$\mathcal{O}(0; \{2^9, 3^2, 6, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^5, 3^5, 6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2, 3^8, 6, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6, 8^2, 12\})$	768
24	$\mathcal{O}(0; \{3^2, 4^6, 6, 8^2, 12\})$	3072
24	$\mathcal{O}(0; \{2^{10}, 6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^7, 4^2, 6^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^2, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^4, 4^4, 6^2, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{3^3, 4^4, 6^2, 8^2, 12\})$	2816
24	$\mathcal{O}(0; \{2, 4^6, 6^2, 8^2, 12\})$	1024
24	$\mathcal{O}(0; \{2^7, 3, 6^3, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^3, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{3^4, 4^2, 6^3, 8^2, 12\})$	2752
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^3, 8^2, 12\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{3^5, 6^4, 8^2, 12\})$	2736
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^4, 8^2, 12\})$	1344
24	$\mathcal{O}(0; \{2^5, 6^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^3, 6^5, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^2, 4^2, 6^5, 8^2, 12\})$	704
24	$\mathcal{O}(0; \{2^2, 3, 6^6, 8^2, 12\})$	688
24	$\mathcal{O}(0; \{6^8, 8^2, 12\})$	1360
24	$\mathcal{O}(0; \{2^7, 3, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{3^4, 4^3, 8^4, 12\})$	10240
24	$\mathcal{O}(0; \{2, 3, 4^5, 8^4, 12\})$	8192
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 8^4, 12\})$	1536
24	$\mathcal{O}(0; \{3^5, 4, 6, 8^4, 12\})$	10752
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 8^4, 12\})$	6144
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 8^4, 12\})$	5632
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 8^4, 12\})$	2048
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 8^4, 12\})$	2560
24	$\mathcal{O}(0; \{4, 6^5, 8^4, 12\})$	5632

Continued on next page



Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{2, 3^4, 8^6, 12\})$	20480
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^6, 12\})$	16384
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^6, 12\})$	12288
24	$\mathcal{O}(0; \{2^3, 6^2, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{4^2, 6^2, 8^6, 12\})$	16384
24	$\mathcal{O}(0; \{3, 6^3, 8^6, 12\})$	20480
24	$\mathcal{O}(0; \{3, 4, 8^8, 12\})$	131072
24	$\mathcal{O}(0; \{2^{10}, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^7, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^5, 8^2, 12^2\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^5, 8^2, 12^2\})$	5120
24	$\mathcal{O}(0; \{2, 4^7, 8^2, 12^2\})$	4096
24	$\mathcal{O}(0; \{2^7, 3, 4, 6, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 8^2, 12^2\})$	768
24	$\mathcal{O}(0; \{3^4, 4^3, 6, 8^2, 12^2\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^5, 6, 8^2, 12^2\})$	3072
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 8^2, 12^2\})$	704
24	$\mathcal{O}(0; \{3^5, 4, 6^2, 8^2, 12^2\})$	5440
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 8^2, 12^2\})$	2816
24	$\mathcal{O}(0; \{2^5, 4, 6^3, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 8^2, 12^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 8^2, 12^2\})$	1344
24	$\mathcal{O}(0; \{4, 6^6, 8^2, 12^2\})$	2752
24	$\mathcal{O}(0; \{2^8, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{3^6, 8^4, 12^2\})$	22016
24	$\mathcal{O}(0; \{2^5, 4^2, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^4, 12^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 4^4, 8^4, 12^2\})$	8192
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^4, 12^2\})$	6144
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^4, 12^2\})$	5632
24	$\mathcal{O}(0; \{2^3, 6^3, 8^4, 12^2\})$	2560
24	$\mathcal{O}(0; \{4^2, 6^3, 8^4, 12^2\})$	10240
24	$\mathcal{O}(0; \{3, 6^4, 8^4, 12^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 4, 8^6, 12^2\})$	16384

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^3, 8^6, 12^2\})$	65536
24	$\mathcal{O}(0; \{3, 4, 6, 8^6, 12^2\})$	49152
24	$\mathcal{O}(0; \{2, 8^8, 12^2\})$	131072
24	$\mathcal{O}(0; \{2^7, 3^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^3, 3^5, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8^2, 12^3\})$	1280
24	$\mathcal{O}(0; \{3^5, 4^2, 8^2, 12^3\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8^2, 12^3\})$	5120
24	$\mathcal{O}(0; \{2^8, 6, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{3^6, 6, 8^2, 12^3\})$	10944
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8^2, 12^3\})$	3072
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8^2, 12^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8^2, 12^3\})$	2752
24	$\mathcal{O}(0; \{2^3, 6^4, 8^2, 12^3\})$	1344
24	$\mathcal{O}(0; \{4^2, 6^4, 8^2, 12^3\})$	5376
24	$\mathcal{O}(0; \{3, 6^5, 8^2, 12^3\})$	5440
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^4, 12^3\})$	10240
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^4, 12^3\})$	6144
24	$\mathcal{O}(0; \{4^3, 6, 8^4, 12^3\})$	24576
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^4, 12^3\})$	22528
24	$\mathcal{O}(0; \{3^2, 8^6, 12^3\})$	81920
24	$\mathcal{O}(0; \{2, 6, 8^6, 12^3\})$	49152
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^2, 12^4\})$	1280
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^2, 12^4\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^2, 12^4\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^2, 12^4\})$	5376
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^2, 12^4\})$	2816
24	$\mathcal{O}(0; \{4^3, 6^2, 8^2, 12^4\})$	11264
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^2, 12^4\})$	11008
24	$\mathcal{O}(0; \{2^3, 3, 8^4, 12^4\})$	10240
24	$\mathcal{O}(0; \{3, 4^2, 8^4, 12^4\})$	40960
24	$\mathcal{O}(0; \{3^2, 6, 8^4, 12^4\})$	43008
24	$\mathcal{O}(0; \{2, 6^2, 8^4, 12^4\})$	22528
24	$\mathcal{O}(0; \{2^6, 8^2, 12^5\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^3, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 12^5\})$	5120
24	$\mathcal{O}(0; \{4^4, 8^2, 12^5\})$	20480
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^2, 12^5\})$	5376

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^2, 12^5\})$	21504
24	$\mathcal{O}(0; \{3^2, 6^2, 8^2, 12^5\})$	21760
24	$\mathcal{O}(0; \{2, 6^3, 8^2, 12^5\})$	11008
24	$\mathcal{O}(0; \{2, 4, 8^4, 12^5\})$	40960
24	$\mathcal{O}(0; \{3^2, 4, 8^2, 12^6\})$	44032
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 12^6\})$	21504
24	$\mathcal{O}(0; \{2, 3, 8^2, 12^7\})$	44032
24	$\mathcal{O}(0; \{2^{11}, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^7, 3^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^3, 3^9, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 8, 24\})$	672
24	$\mathcal{O}(0; \{3^9, 4^2, 8, 24\})$	5472
24	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 8, 24\})$	384
24	$\mathcal{O}(0; \{2, 3^6, 4^4, 8, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^{12}, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^8, 3^4, 6, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^4, 3^7, 6, 8, 24\})$	680
24	$\mathcal{O}(0; \{3^{10}, 6, 8, 24\})$	5464
24	$\mathcal{O}(0; \{2^9, 3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6, 8, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^7, 4^2, 6, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2^6, 3, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 4^6, 6, 8, 24\})$	512
24	$\mathcal{O}(0; \{3, 4^8, 6, 8, 24\})$	2048
24	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 8, 24\})$	344
24	$\mathcal{O}(0; \{2, 3^8, 6^2, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^2, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^2, 8, 24\})$	640
24	$\mathcal{O}(0; \{3^2, 4^6, 6^2, 8, 24\})$	2560
24	$\mathcal{O}(0; \{2^{10}, 6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^7, 4^2, 6^3, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^3, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^4, 4^4, 6^3, 8, 24\})$	384
24	$\mathcal{O}(0; \{3^3, 4^4, 6^3, 8, 24\})$	2688
24	$\mathcal{O}(0; \{2, 4^6, 6^3, 8, 24\})$	1536
24	$\mathcal{O}(0; \{2^7, 3, 6^4, 8, 24\})$	88

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 8, 24\})$	680
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^4, 8, 24\})$	352
24	$\mathcal{O}(0; \{3^4, 4^2, 6^4, 8, 24\})$	2720
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^4, 8, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 8, 24\})$	344
24	$\mathcal{O}(0; \{3^5, 6^5, 8, 24\})$	2728
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^5, 8, 24\})$	1376
24	$\mathcal{O}(0; \{2^5, 6^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^3, 6^6, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^2, 4^2, 6^6, 8, 24\})$	672
24	$\mathcal{O}(0; \{2^2, 3, 6^7, 8, 24\})$	680
24	$\mathcal{O}(0; \{6^9, 8, 24\})$	1368
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{3^3, 4^5, 8^3, 24\})$	12288
24	$\mathcal{O}(0; \{2^7, 3, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3^4, 4^3, 6, 8^3, 24\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4^5, 6, 8^3, 24\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 8^3, 24\})$	1280
24	$\mathcal{O}(0; \{3^5, 4, 6^2, 8^3, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 8^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^5, 4, 6^3, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 8^3, 24\})$	3072
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 8^3, 24\})$	2816
24	$\mathcal{O}(0; \{4, 6^6, 8^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^4, 3^3, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{3^6, 8^5, 24\})$	43008
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^5, 24\})$	24576
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^5, 24\})$	8192
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^5, 24\})$	10240
24	$\mathcal{O}(0; \{2^3, 6^3, 8^5, 24\})$	6144
24	$\mathcal{O}(0; \{4^2, 6^3, 8^5, 24\})$	24576
24	$\mathcal{O}(0; \{3, 6^4, 8^5, 24\})$	22528
24	$\mathcal{O}(0; \{3, 4, 6, 8^7, 24\})$	65536
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^8, 4, 8, 12, 24\})$	5472

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 8, 12, 24\})$	1536
24	$\mathcal{O}(0; \{3^2, 4^7, 8, 12, 24\})$	6144
24	$\mathcal{O}(0; \{2^{10}, 4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^7, 4^3, 6, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^5, 6, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{3^3, 4^5, 6, 8, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2, 4^7, 6, 8, 12, 24\})$	2048
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^2, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^2, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^2, 8, 12, 24\})$	640
24	$\mathcal{O}(0; \{3^4, 4^3, 6^2, 8, 12, 24\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^2, 8, 12, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^3, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{3^5, 4, 6^3, 8, 12, 24\})$	5472
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^3, 8, 12, 24\})$	2688
24	$\mathcal{O}(0; \{2^5, 4, 6^4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^4, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^2, 4^3, 6^4, 8, 12, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^5, 8, 12, 24\})$	1376
24	$\mathcal{O}(0; \{4, 6^7, 8, 12, 24\})$	2720
24	$\mathcal{O}(0; \{2^7, 3^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^3, 3^5, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8^3, 12, 24\})$	3072
24	$\mathcal{O}(0; \{3^5, 4^2, 8^3, 12, 24\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8^3, 12, 24\})$	12288
24	$\mathcal{O}(0; \{2^8, 6, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{3^6, 6, 8^3, 12, 24\})$	21760
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8^3, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8^3, 12, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8^3, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8^3, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2^3, 6^4, 8^3, 12, 24\})$	2816
24	$\mathcal{O}(0; \{4^2, 6^4, 8^3, 12, 24\})$	11264
24	$\mathcal{O}(0; \{3, 6^5, 8^3, 12, 24\})$	11008

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^5, 12, 24\})$	24576
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^5, 12, 24\})$	8192
24	$\mathcal{O}(0; \{4^3, 6, 8^5, 12, 24\})$	32768
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^5, 12, 24\})$	40960
24	$\mathcal{O}(0; \{3^2, 8^7, 12, 24\})$	196608
24	$\mathcal{O}(0; \{2, 6, 8^7, 12, 24\})$	65536
24	$\mathcal{O}(0; \{2^{10}, 3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{2^6, 3^4, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2^2, 3^7, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 8, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{3^4, 4^4, 8, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^6, 8, 12^2, 24\})$	6144
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8, 12^2, 24\})$	1408
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8, 12^2, 24\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{2^8, 6^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{3^6, 6^2, 8, 12^2, 24\})$	10912
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8, 12^2, 24\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8, 12^2, 24\})$	2720
24	$\mathcal{O}(0; \{2^3, 6^5, 8, 12^2, 24\})$	1376
24	$\mathcal{O}(0; \{4^2, 6^5, 8, 12^2, 24\})$	5504
24	$\mathcal{O}(0; \{3, 6^6, 8, 12^2, 24\})$	5472
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^3, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^3, 12^2, 24\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^3, 12^2, 24\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^3, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^3, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{4^3, 6^2, 8^3, 12^2, 24\})$	20480
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^3, 12^2, 24\})$	21504
24	$\mathcal{O}(0; \{2^3, 3, 8^5, 12^2, 24\})$	24576
24	$\mathcal{O}(0; \{3, 4^2, 8^5, 12^2, 24\})$	98304
24	$\mathcal{O}(0; \{3^2, 6, 8^5, 12^2, 24\})$	90112
24	$\mathcal{O}(0; \{2, 6^2, 8^5, 12^2, 24\})$	40960

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^8, 4, 8, 12^3, 24\})$	384
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{3^6, 4, 8, 12^3, 24\})$	21888
24	$\mathcal{O}(0; \{2^5, 4^3, 8, 12^3, 24\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8, 12^3, 24\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^5, 8, 12^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8, 12^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8, 12^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8, 12^3, 24\})$	2688
24	$\mathcal{O}(0; \{4^3, 6^3, 8, 12^3, 24\})$	10752
24	$\mathcal{O}(0; \{3, 4, 6^4, 8, 12^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^6, 8^3, 12^3, 24\})$	3072
24	$\mathcal{O}(0; \{2^2, 3^3, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{2^3, 4^2, 8^3, 12^3, 24\})$	12288
24	$\mathcal{O}(0; \{4^4, 8^3, 12^3, 24\})$	49152
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^3, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^3, 12^3, 24\})$	45056
24	$\mathcal{O}(0; \{3^2, 6^2, 8^3, 12^3, 24\})$	44032
24	$\mathcal{O}(0; \{2, 6^3, 8^3, 12^3, 24\})$	21504
24	$\mathcal{O}(0; \{2, 4, 8^5, 12^3, 24\})$	98304
24	$\mathcal{O}(0; \{2^5, 3^2, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{2, 3^5, 8, 12^4, 24\})$	21888
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8, 12^4, 24\})$	10752
24	$\mathcal{O}(0; \{2^6, 6, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8, 12^4, 24\})$	5632
24	$\mathcal{O}(0; \{4^4, 6, 8, 12^4, 24\})$	22528
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8, 12^4, 24\})$	5504
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8, 12^4, 24\})$	22016
24	$\mathcal{O}(0; \{3^2, 6^3, 8, 12^4, 24\})$	21888
24	$\mathcal{O}(0; \{2, 6^4, 8, 12^4, 24\})$	10880
24	$\mathcal{O}(0; \{3^2, 4, 8^3, 12^4, 24\})$	86016
24	$\mathcal{O}(0; \{2, 4, 6, 8^3, 12^4, 24\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 4, 8, 12^5, 24\})$	10752
24	$\mathcal{O}(0; \{3, 4^3, 8, 12^5, 24\})$	43008
24	$\mathcal{O}(0; \{3^2, 4, 6, 8, 12^5, 24\})$	43520
24	$\mathcal{O}(0; \{2, 4, 6^2, 8, 12^5, 24\})$	22016
24	$\mathcal{O}(0; \{2, 3, 8^3, 12^5, 24\})$	86016
24	$\mathcal{O}(0; \{2^4, 8, 12^6, 24\})$	10752
24	$\mathcal{O}(0; \{3^3, 8, 12^6, 24\})$	87552
24	$\mathcal{O}(0; \{2, 4^2, 8, 12^6, 24\})$	43008

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 6, 8, 12^6, 24\})$	43520
24	$\mathcal{O}(0; \{2^{12}, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^8, 3^4, 4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3^7, 4, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^{10}, 4, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^9, 3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^7, 4^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^6, 3, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4^7, 24^2\})$	1024
24	$\mathcal{O}(0; \{3, 4^9, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 6, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 6, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^8, 4, 6, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^7, 6, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^{10}, 4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^2, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^2, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^7, 4^3, 6^2, 24^2\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^4, 4^5, 6^2, 24^2\})$	768
24	$\mathcal{O}(0; \{3^3, 4^5, 6^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2, 4^7, 6^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^3, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^3, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^3, 24^2\})$	704
24	$\mathcal{O}(0; \{3^4, 4^3, 6^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^3, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^4, 24^2\})$	688
24	$\mathcal{O}(0; \{3^5, 4, 6^4, 24^2\})$	5456
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^4, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^5, 4, 6^5, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^5, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^2, 4^3, 6^5, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^6, 24^2\})$	1360
24	$\mathcal{O}(0; \{4, 6^8, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^{10}, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^6, 3^4, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^7, 8^2, 24^2\})$	10880

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 8^2, 24^2\})$	2048
24	$\mathcal{O}(0; \{3^4, 4^4, 8^2, 24^2\})$	22528
24	$\mathcal{O}(0; \{2, 3, 4^6, 8^2, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^8, 6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^6, 6^2, 8^2, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8^2, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 6^5, 8^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{4^2, 6^5, 8^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{3, 6^6, 8^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^4, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^4, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^4, 24^2\})$	12288
24	$\mathcal{O}(0; \{4^3, 6^2, 8^4, 24^2\})$	49152
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 8^6, 24^2\})$	32768
24	$\mathcal{O}(0; \{3, 4^2, 8^6, 24^2\})$	131072
24	$\mathcal{O}(0; \{3^2, 6, 8^6, 24^2\})$	163840
24	$\mathcal{O}(0; \{2, 6^2, 8^6, 24^2\})$	98304
24	$\mathcal{O}(0; \{2^{13}, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2^9, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^5, 3^6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{2, 3^9, 12, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^{10}, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^7, 4^4, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 12, 24^2\})$	2816

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4^6, 12, 24^2\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^6, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2, 4^8, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^{10}, 3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^6, 3^4, 6, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3^7, 6, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 6, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 6, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^4, 4^4, 6, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^6, 6, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^2, 12, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^5, 4^2, 6^2, 12, 24^2\})$	10944
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^8, 6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{3^6, 6^3, 12, 24^2\})$	10928
24	$\mathcal{O}(0; \{2^5, 4^2, 6^3, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^3, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^2, 4^4, 6^3, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^5, 3, 6^4, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^4, 6^4, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^4, 12, 24^2\})$	2752
24	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 12, 24^2\})$	2736
24	$\mathcal{O}(0; \{2^3, 6^6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{4^2, 6^6, 12, 24^2\})$	5440
24	$\mathcal{O}(0; \{3, 6^7, 12, 24^2\})$	5456
24	$\mathcal{O}(0; \{2^8, 4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{3^6, 4, 8^2, 12, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^5, 4^3, 8^2, 12, 24^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8^2, 12, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^2, 4^5, 8^2, 12, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8^2, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8^2, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{4^3, 6^3, 8^2, 12, 24^2\})$	22528
24	$\mathcal{O}(0; \{3, 4, 6^4, 8^2, 12, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^6, 8^4, 12, 24^2\})$	4096

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^3, 4^2, 8^4, 12, 24^2\})$	16384
24	$\mathcal{O}(0; \{4^4, 8^4, 12, 24^2\})$	65536
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^4, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^4, 12, 24^2\})$	81920
24	$\mathcal{O}(0; \{3^2, 6^2, 8^4, 12, 24^2\})$	86016
24	$\mathcal{O}(0; \{2, 6^3, 8^4, 12, 24^2\})$	45056
24	$\mathcal{O}(0; \{2, 4, 8^6, 12, 24^2\})$	131072
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 12^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^5, 4^3, 12^2, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^8, 4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{3^6, 4, 6, 12^2, 24^2\})$	21824
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 12^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 12^2, 24^2\})$	5440
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 12^2, 24^2\})$	2752
24	$\mathcal{O}(0; \{4^3, 6^4, 12^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{3, 4, 6^5, 12^2, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^5, 3^2, 8^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 3^5, 8^2, 12^2, 24^2\})$	43520
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^2, 12^2, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^6, 6, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^2, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{4^4, 6, 8^2, 12^2, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^2, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^2, 12^2, 24^2\})$	43008
24	$\mathcal{O}(0; \{3^2, 6^3, 8^2, 12^2, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 6^4, 8^2, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{3^2, 4, 8^4, 12^2, 24^2\})$	180224
24	$\mathcal{O}(0; \{2, 4, 6, 8^4, 12^2, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^8, 3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2^4, 3^4, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{3^7, 12^3, 24^2\})$	43712
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 12^3, 24^2\})$	2816

Continued on next page

Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 12^3, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 12^3, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 3^5, 6, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 12^3, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^6, 6^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 12^3, 24^2\})$	5376
24	$\mathcal{O}(0; \{4^4, 6^2, 12^3, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 12^3, 24^2\})$	5440
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 12^3, 24^2\})$	21760
24	$\mathcal{O}(0; \{3^2, 6^4, 12^3, 24^2\})$	21824
24	$\mathcal{O}(0; \{2, 6^5, 12^3, 24^2\})$	10944
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 12^3, 24^2\})$	22528
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 12^3, 24^2\})$	90112
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 12^3, 24^2\})$	88064
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 12^3, 24^2\})$	43008
24	$\mathcal{O}(0; \{2, 3, 8^4, 12^3, 24^2\})$	180224
24	$\mathcal{O}(0; \{2^6, 4, 12^4, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^3, 4^3, 12^4, 24^2\})$	11264
24	$\mathcal{O}(0; \{4^5, 12^4, 24^2\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12^4, 24^2\})$	11008
24	$\mathcal{O}(0; \{3, 4^3, 6, 12^4, 24^2\})$	44032
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 12^4, 24^2\})$	43776
24	$\mathcal{O}(0; \{2, 4, 6^3, 12^4, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^4, 8^2, 12^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{3^3, 8^2, 12^4, 24^2\})$	174080
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12^4, 24^2\})$	90112
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2^3, 3^2, 12^5, 24^2\})$	21760
24	$\mathcal{O}(0; \{3^2, 4^2, 12^5, 24^2\})$	87040
24	$\mathcal{O}(0; \{2^4, 6, 12^5, 24^2\})$	11008
24	$\mathcal{O}(0; \{3^3, 6, 12^5, 24^2\})$	87296
24	$\mathcal{O}(0; \{2, 4^2, 6, 12^5, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 3, 6^2, 12^5, 24^2\})$	43776
24	$\mathcal{O}(0; \{2, 3, 4, 12^6, 24^2\})$	87040
24	$\mathcal{O}(0; \{2^2, 12^7, 24^2\})$	87040
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 8, 24^3\})$	5120
24	$\mathcal{O}(0; \{3^5, 4^3, 8, 24^3\})$	44032
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 8, 24^3\})$	20480

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^8, 4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{3^6, 4, 6, 8, 24^3\})$	43776
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 8, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 8, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 8, 24^3\})$	11008
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 8, 24^3\})$	5376
24	$\mathcal{O}(0; \{4^3, 6^4, 8, 24^3\})$	21504
24	$\mathcal{O}(0; \{3, 4, 6^5, 8, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^5, 3^2, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{2, 3^5, 8^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^3, 24^3\})$	40960
24	$\mathcal{O}(0; \{2^6, 6, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^3, 24^3\})$	24576
24	$\mathcal{O}(0; \{4^4, 6, 8^3, 24^3\})$	98304
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^3, 24^3\})$	22528
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^3, 24^3\})$	90112
24	$\mathcal{O}(0; \{3^2, 6^3, 8^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 6^4, 8^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{3^2, 4, 8^5, 24^3\})$	327680
24	$\mathcal{O}(0; \{2, 4, 6, 8^5, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^8, 3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^4, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{3^7, 8, 12, 24^3\})$	87296
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8, 12, 24^3\})$	5120
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8, 12, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8, 12, 24^3\})$	20480
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{2, 3^5, 6, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8, 12, 24^3\})$	21504
24	$\mathcal{O}(0; \{2^6, 6^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8, 12, 24^3\})$	21760
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8, 12, 24^3\})$	11264
24	$\mathcal{O}(0; \{4^4, 6^2, 8, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8, 12, 24^3\})$	11008
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8, 12, 24^3\})$	44032
24	$\mathcal{O}(0; \{3^2, 6^4, 8, 12, 24^3\})$	43776
24	$\mathcal{O}(0; \{2, 6^5, 8, 12, 24^3\})$	21760

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^3, 12, 24^3\})$	40960
24	$\mathcal{O}(0; \{3, 4^3, 8^3, 12, 24^3\})$	163840
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^3, 12, 24^3\})$	172032
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^3, 12, 24^3\})$	90112
24	$\mathcal{O}(0; \{2, 3, 8^5, 12, 24^3\})$	327680
24	$\mathcal{O}(0; \{2^6, 4, 8, 12^2, 24^3\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^3, 4^3, 8, 12^2, 24^3\})$	20480
24	$\mathcal{O}(0; \{4^5, 8, 12^2, 24^3\})$	81920
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8, 12^2, 24^3\})$	21504
24	$\mathcal{O}(0; \{3, 4^3, 6, 8, 12^2, 24^3\})$	86016
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8, 12^2, 24^3\})$	87040
24	$\mathcal{O}(0; \{2, 4, 6^3, 8, 12^2, 24^3\})$	44032
24	$\mathcal{O}(0; \{2^4, 8^3, 12^2, 24^3\})$	40960
24	$\mathcal{O}(0; \{3^3, 8^3, 12^2, 24^3\})$	352256
24	$\mathcal{O}(0; \{2, 4^2, 8^3, 12^2, 24^3\})$	163840
24	$\mathcal{O}(0; \{2, 3, 6, 8^3, 12^2, 24^3\})$	172032
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 12^3, 24^3\})$	44032
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 12^3, 24^3\})$	176128
24	$\mathcal{O}(0; \{2^4, 6, 8, 12^3, 24^3\})$	21504
24	$\mathcal{O}(0; \{3^3, 6, 8, 12^3, 24^3\})$	175104
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 12^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 12^3, 24^3\})$	87040
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12^4, 24^3\})$	176128
24	$\mathcal{O}(0; \{2^2, 8, 12^5, 24^3\})$	176128
24	$\mathcal{O}(0; \{2^{11}, 24^4\})$	384
24	$\mathcal{O}(0; \{2^7, 3^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^6, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^8, 4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{3^6, 4^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^5, 4^4, 24^4\})$	6144
24	$\mathcal{O}(0; \{2, 3^3, 4^4, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^2, 4^6, 24^4\})$	24576
24	$\mathcal{O}(0; \{2^8, 3, 6, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^4, 3^4, 6, 24^4\})$	10880
24	$\mathcal{O}(0; \{3^7, 6, 24^4\})$	87424
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 24^4\})$	22528
24	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 3^5, 6^2, 24^4\})$	43648
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 24^4\})$	22016

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^6, 6^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 24^4\})$	10752
24	$\mathcal{O}(0; \{4^4, 6^3, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^3, 3, 6^4, 24^4\})$	10880
24	$\mathcal{O}(0; \{3, 4^2, 6^4, 24^4\})$	43520
24	$\mathcal{O}(0; \{3^2, 6^5, 24^4\})$	43648
24	$\mathcal{O}(0; \{2, 6^6, 24^4\})$	21888
24	$\mathcal{O}(0; \{2^6, 4, 8^2, 24^4\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 24^4\})$	49152
24	$\mathcal{O}(0; \{4^5, 8^2, 24^4\})$	196608
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^2, 24^4\})$	180224
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^2, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^2, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^4, 8^4, 24^4\})$	98304
24	$\mathcal{O}(0; \{3^3, 8^4, 24^4\})$	688128
24	$\mathcal{O}(0; \{2, 4^2, 8^4, 24^4\})$	393216
24	$\mathcal{O}(0; \{2, 3, 6, 8^4, 24^4\})$	360448
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{2, 3^5, 4, 12, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 12, 24^4\})$	43008
24	$\mathcal{O}(0; \{2^6, 4, 6, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 12, 24^4\})$	22528
24	$\mathcal{O}(0; \{4^5, 6, 12, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 12, 24^4\})$	22016
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 12, 24^4\})$	88064
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 12, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 4, 6^4, 12, 24^4\})$	43520
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 12, 24^4\})$	344064
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 12, 24^4\})$	348160
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 12, 24^4\})$	180224
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 12, 24^4\})$	176128
24	$\mathcal{O}(0; \{2^6, 3, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^4, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 12^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{3, 4^4, 12^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 12^2, 24^4\})$	43520
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 12^2, 24^4\})$	174080

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 6^2, 12^2, 24^4\})$	22016
24	$\mathcal{O}(0; \{3^3, 6^2, 12^2, 24^4\})$	174592
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 12^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2, 3, 6^3, 12^2, 24^4\})$	87552
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12^2, 24^4\})$	344064
24	$\mathcal{O}(0; \{2^4, 4, 12^3, 24^4\})$	43008
24	$\mathcal{O}(0; \{3^3, 4, 12^3, 24^4\})$	350208
24	$\mathcal{O}(0; \{2, 4^3, 12^3, 24^4\})$	172032
24	$\mathcal{O}(0; \{2, 3, 4, 6, 12^3, 24^4\})$	174080
24	$\mathcal{O}(0; \{2^2, 8^2, 12^3, 24^4\})$	344064
24	$\mathcal{O}(0; \{2, 3^2, 12^4, 24^4\})$	350208
24	$\mathcal{O}(0; \{2^2, 6, 12^4, 24^4\})$	174080
24	$\mathcal{O}(0; \{12^6, 24^4\})$	1400832
24	$\mathcal{O}(0; \{2^6, 3, 8, 24^5\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^4, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8, 24^5\})$	90112
24	$\mathcal{O}(0; \{3, 4^4, 8, 24^5\})$	360448
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8, 24^5\})$	88064
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8, 24^5\})$	352256
24	$\mathcal{O}(0; \{2^4, 6^2, 8, 24^5\})$	43008
24	$\mathcal{O}(0; \{3^3, 6^2, 8, 24^5\})$	350208
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8, 24^5\})$	172032
24	$\mathcal{O}(0; \{2, 3, 6^3, 8, 24^5\})$	174080
24	$\mathcal{O}(0; \{2, 3, 4, 8^3, 24^5\})$	720896
24	$\mathcal{O}(0; \{2^4, 4, 8, 12, 24^5\})$	90112
24	$\mathcal{O}(0; \{3^3, 4, 8, 12, 24^5\})$	696320
24	$\mathcal{O}(0; \{2, 4^3, 8, 12, 24^5\})$	360448
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 12, 24^5\})$	352256
24	$\mathcal{O}(0; \{2^2, 8^3, 12, 24^5\})$	720896
24	$\mathcal{O}(0; \{2, 3^2, 8, 12^2, 24^5\})$	696320
24	$\mathcal{O}(0; \{2^2, 6, 8, 12^2, 24^5\})$	352256
24	$\mathcal{O}(0; \{8, 12^4, 24^5\})$	2785280
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 24^6\})$	176128
24	$\mathcal{O}(0; \{3^2, 4^3, 24^6\})$	704512
24	$\mathcal{O}(0; \{2^4, 4, 6, 24^6\})$	86016
24	$\mathcal{O}(0; \{3^3, 4, 6, 24^6\})$	700416
24	$\mathcal{O}(0; \{2, 4^3, 6, 24^6\})$	344064
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 24^6\})$	348160
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 24^6\})$	1409024
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 24^6\})$	688128
24	$\mathcal{O}(0; \{2^4, 3, 12, 24^6\})$	176128
24	$\mathcal{O}(0; \{3^4, 12, 24^6\})$	1396736
24	$\mathcal{O}(0; \{2, 3, 4^2, 12, 24^6\})$	704512

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 6, 12, 24^6\})$	700416
24	$\mathcal{O}(0; \{2^2, 6^2, 12, 24^6\})$	348160
24	$\mathcal{O}(0; \{2^2, 4, 12^2, 24^6\})$	704512
24	$\mathcal{O}(0; \{8^2, 12^2, 24^6\})$	5636096
24	$\mathcal{O}(0; \{6, 12^3, 24^6\})$	2801664
24	$\mathcal{O}(0; \{2^2, 4, 8, 24^7\})$	1376256
24	$\mathcal{O}(0; \{8^3, 24^7\})$	11010048
24	$\mathcal{O}(0; \{6, 8, 12, 24^7\})$	5570560
24	$\mathcal{O}(0; \{2^2, 3, 24^8\})$	2785280
24	$\mathcal{O}(0; \{6^2, 24^8\})$	5603328
24	$\mathcal{O}(0; \{4, 12, 24^8\})$	11141120
25	$\mathcal{O}(1; \{5^4, 25^4\})$	1040000000
26	$\mathcal{O}(3; \{13^3\})$	40139743644
26	$\mathcal{O}(2; \{2^4, 13^3\})$	60320832
26	$\mathcal{O}(2; \{2^2, 13^2, 26^2\})$	729333696
26	$\mathcal{O}(2; \{13, 26^4\})$	8746520640
26	$\mathcal{O}(1; \{2^8, 13^3\})$	89232
26	$\mathcal{O}(1; \{2^6, 13^2, 26^2\})$	1078896
26	$\mathcal{O}(1; \{2^4, 13, 26^4\})$	12938640
26	$\mathcal{O}(1; \{2^2, 26^6\})$	155271792
26	$\mathcal{O}(0; \{2^{12}, 13^3\})$	132
26	$\mathcal{O}(0; \{2^{10}, 13^2, 26^2\})$	1596
26	$\mathcal{O}(0; \{2^8, 13, 26^4\})$	19140
26	$\mathcal{O}(0; \{2^6, 26^6\})$	229692
27	$\mathcal{O}(2; \{3, 27^4\})$	4649045868
27	$\mathcal{O}(1; \{3^4, 27^4\})$	51018336
27	$\mathcal{O}(1; \{9^3, 27^4\})$	688747536
27	$\mathcal{O}(0; \{3^7, 27^4\})$	559872
27	$\mathcal{O}(0; \{3^3, 9^3, 27^4\})$	7558272
27	$\mathcal{O}(0; \{9^2, 27^7\})$	803538792
28	$\mathcal{O}(3; \{2, 7, 14\})$	2846164608
28	$\mathcal{O}(2; \{7^5\})$	639626400
28	$\mathcal{O}(2; \{2^5, 7, 14\})$	3457440
28	$\mathcal{O}(2; \{2^2, 4^2, 7, 14\})$	7375872
28	$\mathcal{O}(2; \{2^3, 14^3\})$	17287200
28	$\mathcal{O}(2; \{4^2, 14^3\})$	36879360
28	$\mathcal{O}(2; \{4, 7^3, 28\})$	228652032
28	$\mathcal{O}(2; \{2^3, 7, 28^2\})$	36879360
28	$\mathcal{O}(2; \{4^2, 7, 28^2\})$	147517440
28	$\mathcal{O}(2; \{2, 14^2, 28^2\})$	228652032
28	$\mathcal{O}(1; \{2^4, 7^5\})$	652680
28	$\mathcal{O}(1; \{2, 4^2, 7^5\})$	1740480
28	$\mathcal{O}(1; \{2^9, 7, 14\})$	3528

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(1; \{2^6, 4^2, 7, 14\})$	9408
28	$\mathcal{O}(1; \{2^3, 4^4, 7, 14\})$	37632
28	$\mathcal{O}(1; \{4^6, 7, 14\})$	150528
28	$\mathcal{O}(1; \{2^2, 7^4, 14^2\})$	3919608
28	$\mathcal{O}(1; \{2^7, 14^3\})$	17640
28	$\mathcal{O}(1; \{2^4, 4^2, 14^3\})$	47040
28	$\mathcal{O}(1; \{2, 4^4, 14^3\})$	188160
28	$\mathcal{O}(1; \{7^3, 14^4\})$	23514120
28	$\mathcal{O}(1; \{2^4, 4, 7^3, 28\})$	291648
28	$\mathcal{O}(1; \{2, 4^3, 7^3, 28\})$	1166592
28	$\mathcal{O}(1; \{2^2, 4, 7^2, 14^2, 28\})$	1740480
28	$\mathcal{O}(1; \{4, 7, 14^4, 28\})$	10452288
28	$\mathcal{O}(1; \{2^7, 7, 28^2\})$	47040
28	$\mathcal{O}(1; \{2^4, 4^2, 7, 28^2\})$	188160
28	$\mathcal{O}(1; \{2, 4^4, 7, 28^2\})$	752640
28	$\mathcal{O}(1; \{7^4, 14, 28^2\})$	62704320
28	$\mathcal{O}(1; \{2^5, 14^2, 28^2\})$	291648
28	$\mathcal{O}(1; \{2^2, 4^2, 14^2, 28^2\})$	1166592
28	$\mathcal{O}(1; \{4, 7^2, 14, 28^3\})$	41809152
28	$\mathcal{O}(1; \{2^3, 14, 28^4\})$	6961920
28	$\mathcal{O}(1; \{4^2, 14, 28^4\})$	27847680
28	$\mathcal{O}(1; \{2, 28^6\})$	167236608
28	$\mathcal{O}(0; \{2^5, 4^2, 7^5\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^4, 7^5\})$	8880
28	$\mathcal{O}(0; \{2^{10}, 4^2, 7, 14\})$	12
28	$\mathcal{O}(0; \{2^7, 4^4, 7, 14\})$	48
28	$\mathcal{O}(0; \{2^4, 4^6, 7, 14\})$	192
28	$\mathcal{O}(0; \{2, 4^8, 7, 14\})$	768
28	$\mathcal{O}(0; \{2^3, 4^2, 7^4, 14^2\})$	13332
28	$\mathcal{O}(0; \{4^4, 7^4, 14^2\})$	53328
28	$\mathcal{O}(0; \{2^8, 4^2, 14^3\})$	60
28	$\mathcal{O}(0; \{2^5, 4^4, 14^3\})$	240
28	$\mathcal{O}(0; \{2^2, 4^6, 14^3\})$	960
28	$\mathcal{O}(0; \{2, 4^2, 7^3, 14^4\})$	79980
28	$\mathcal{O}(0; \{2^8, 4, 7^3, 28\})$	372
28	$\mathcal{O}(0; \{2^5, 4^3, 7^3, 28\})$	1488
28	$\mathcal{O}(0; \{2^2, 4^5, 7^3, 28\})$	5952
28	$\mathcal{O}(0; \{2, 4, 7^6, 14, 28\})$	479892
28	$\mathcal{O}(0; \{2^6, 4, 7^2, 14^2, 28\})$	2220
28	$\mathcal{O}(0; \{2^3, 4^3, 7^2, 14^2, 28\})$	8880
28	$\mathcal{O}(0; \{4^5, 7^2, 14^2, 28\})$	35520
28	$\mathcal{O}(0; \{2^4, 4, 7, 14^4, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 7, 14^4, 28\})$	53328

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^2, 4, 14^6, 28\})$	79980
28	$\mathcal{O}(0; \{2^{11}, 7, 28^2\})$	60
28	$\mathcal{O}(0; \{2^8, 4^2, 7, 28^2\})$	240
28	$\mathcal{O}(0; \{2^5, 4^4, 7, 28^2\})$	960
28	$\mathcal{O}(0; \{2^2, 4^6, 7, 28^2\})$	3840
28	$\mathcal{O}(0; \{2^4, 7^4, 14, 28^2\})$	79980
28	$\mathcal{O}(0; \{2, 4^2, 7^4, 14, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^9, 14^2, 28^2\})$	372
28	$\mathcal{O}(0; \{2^6, 4^2, 14^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^3, 4^4, 14^2, 28^2\})$	5952
28	$\mathcal{O}(0; \{4^6, 14^2, 28^2\})$	23808
28	$\mathcal{O}(0; \{2^2, 7^3, 14^3, 28^2\})$	479892
28	$\mathcal{O}(0; \{7^2, 14^5, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^4, 4, 7^2, 14, 28^3\})$	53328
28	$\mathcal{O}(0; \{2, 4^3, 7^2, 14, 28^3\})$	213312
28	$\mathcal{O}(0; \{2^2, 4, 7, 14^3, 28^3\})$	319920
28	$\mathcal{O}(0; \{4, 14^5, 28^3\})$	1919568
28	$\mathcal{O}(0; \{2^2, 7^4, 28^4\})$	1919568
28	$\mathcal{O}(0; \{2^7, 14, 28^4\})$	8880
28	$\mathcal{O}(0; \{2^4, 4^2, 14, 28^4\})$	35520
28	$\mathcal{O}(0; \{2, 4^4, 14, 28^4\})$	142080
28	$\mathcal{O}(0; \{7^3, 14^2, 28^4\})$	11517360
28	$\mathcal{O}(0; \{2^2, 4, 7^2, 28^5\})$	1279680
28	$\mathcal{O}(0; \{4, 7, 14^2, 28^5\})$	7678272
28	$\mathcal{O}(0; \{2^5, 28^6\})$	213312
28	$\mathcal{O}(0; \{2^2, 4^2, 28^6\})$	853248
30	$\mathcal{O}(3; \{15^2\})$	5740875000
30	$\mathcal{O}(2; \{3^2, 5, 6, 10\})$	6480000
30	$\mathcal{O}(2; \{2, 5, 6^2, 10\})$	6480000
30	$\mathcal{O}(2; \{3^2, 5^2, 15\})$	18225000
30	$\mathcal{O}(2; \{2, 5^2, 6, 15\})$	19440000
30	$\mathcal{O}(2; \{2^4, 15^2\})$	6480000
30	$\mathcal{O}(2; \{3^3, 15^2\})$	30375000
30	$\mathcal{O}(2; \{2, 3, 6, 15^2\})$	19440000
30	$\mathcal{O}(2; \{3^3, 10, 30\})$	19440000
30	$\mathcal{O}(2; \{2, 3, 6, 10, 30\})$	6480000
30	$\mathcal{O}(2; \{2, 3, 5, 15, 30\})$	19440000
30	$\mathcal{O}(2; \{2^2, 15, 30^2\})$	19440000
30	$\mathcal{O}(2; \{30^4\})$	252720000
30	$\mathcal{O}(1; \{3^4, 5^4\})$	210600
30	$\mathcal{O}(1; \{2, 3^2, 5^4, 6\})$	93600
30	$\mathcal{O}(1; \{2^2, 5^4, 6^2\})$	93600
30	$\mathcal{O}(1; \{2^3, 3^4, 5, 10\})$	21600

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^4, 3^2, 5, 6, 10\})$	7200
30	$\mathcal{O}(1; \{3^5, 5, 6, 10\})$	79200
30	$\mathcal{O}(1; \{2^5, 5, 6^2, 10\})$	7200
30	$\mathcal{O}(1; \{2, 3^3, 5, 6^2, 10\})$	36000
30	$\mathcal{O}(1; \{2^2, 3, 5, 6^3, 10\})$	21600
30	$\mathcal{O}(1; \{5, 6^5, 10\})$	36000
30	$\mathcal{O}(1; \{5^3, 6^2, 10^2\})$	367200
30	$\mathcal{O}(1; \{2, 3^4, 10^3\})$	64800
30	$\mathcal{O}(1; \{2^2, 3^2, 6, 10^3\})$	21600
30	$\mathcal{O}(1; \{2^3, 6^2, 10^3\})$	21600
30	$\mathcal{O}(1; \{3, 6^3, 10^3\})$	64800
30	$\mathcal{O}(1; \{2^4, 3^2, 5^2, 15\})$	21600
30	$\mathcal{O}(1; \{3^5, 5^2, 15\})$	178200
30	$\mathcal{O}(1; \{2^5, 5^2, 6, 15\})$	21600
30	$\mathcal{O}(1; \{2, 3^3, 5^2, 6, 15\})$	108000
30	$\mathcal{O}(1; \{2^2, 3, 5^2, 6^2, 15\})$	64800
30	$\mathcal{O}(1; \{5^2, 6^4, 15\})$	108000
30	$\mathcal{O}(1; \{5^4, 6, 10, 15\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 10^2, 15\})$	93600
30	$\mathcal{O}(1; \{2^3, 5, 6, 10^2, 15\})$	93600
30	$\mathcal{O}(1; \{3, 5, 6^2, 10^2, 15\})$	280800
30	$\mathcal{O}(1; \{3^2, 10^4, 15\})$	367200
30	$\mathcal{O}(1; \{2, 6, 10^4, 15\})$	367200
30	$\mathcal{O}(1; \{2^8, 15^2\})$	7200
30	$\mathcal{O}(1; \{2^4, 3^3, 15^2\})$	36000
30	$\mathcal{O}(1; \{3^6, 15^2\})$	232200
30	$\mathcal{O}(1; \{5^5, 15^2\})$	4422600
30	$\mathcal{O}(1; \{2^5, 3, 6, 15^2\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 6, 15^2\})$	151200
30	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 15^2\})$	79200
30	$\mathcal{O}(1; \{2^3, 6^3, 15^2\})$	36000
30	$\mathcal{O}(1; \{3, 6^4, 15^2\})$	151200
30	$\mathcal{O}(1; \{2^3, 5^2, 10, 15^2\})$	367200
30	$\mathcal{O}(1; \{3, 5^2, 6, 10, 15^2\})$	1101600
30	$\mathcal{O}(1; \{2, 5, 10^3, 15^2\})$	1476000
30	$\mathcal{O}(1; \{3, 5^3, 15^3\})$	3321000
30	$\mathcal{O}(1; \{2^3, 3, 10, 15^3\})$	280800
30	$\mathcal{O}(1; \{3^2, 6, 10, 15^3\})$	1029600
30	$\mathcal{O}(1; \{2, 6^2, 10, 15^3\})$	468000
30	$\mathcal{O}(1; \{3^2, 5, 15^4\})$	3029400
30	$\mathcal{O}(1; \{2, 5, 6, 15^4\})$	1836000
30	$\mathcal{O}(1; \{2, 3^3, 5^3, 30\})$	280800
30	$\mathcal{O}(1; \{2^2, 3, 5^3, 6, 30\})$	93600

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{5^3, 6^3, 30\})$	280800
30	$\mathcal{O}(1; \{2^4, 3^3, 10, 30\})$	21600
30	$\mathcal{O}(1; \{3^6, 10, 30\})$	151200
30	$\mathcal{O}(1; \{2^5, 3, 6, 10, 30\})$	7200
30	$\mathcal{O}(1; \{2, 3^4, 6, 10, 30\})$	79200
30	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 10, 30\})$	36000
30	$\mathcal{O}(1; \{2^3, 6^3, 10, 30\})$	21600
30	$\mathcal{O}(1; \{3, 6^4, 10, 30\})$	79200
30	$\mathcal{O}(1; \{3, 5^2, 6, 10^2, 30\})$	367200
30	$\mathcal{O}(1; \{2^5, 3, 5, 15, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 5, 15, 30\})$	237600
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 6, 15, 30\})$	108000
30	$\mathcal{O}(1; \{2^3, 5, 6^2, 15, 30\})$	64800
30	$\mathcal{O}(1; \{3, 5, 6^3, 15, 30\})$	237600
30	$\mathcal{O}(1; \{3, 5^3, 10, 15, 30\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 10^2, 15, 30\})$	93600
30	$\mathcal{O}(1; \{3^2, 6, 10^2, 15, 30\})$	468000
30	$\mathcal{O}(1; \{2, 6^2, 10^2, 15, 30\})$	280800
30	$\mathcal{O}(1; \{3^2, 5, 10, 15^2, 30\})$	1836000
30	$\mathcal{O}(1; \{2, 5, 6, 10, 15^2, 30\})$	1101600
30	$\mathcal{O}(1; \{2, 5^2, 15^3, 30\})$	4428000
30	$\mathcal{O}(1; \{2, 3, 15^4, 30\})$	4039200
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2, 30^2\})$	280800
30	$\mathcal{O}(1; \{2^3, 5^2, 6, 30^2\})$	93600
30	$\mathcal{O}(1; \{3, 5^2, 6^2, 30^2\})$	468000
30	$\mathcal{O}(1; \{3^2, 5, 10^2, 30^2\})$	1101600
30	$\mathcal{O}(1; \{2, 5, 6, 10^2, 30^2\})$	367200
30	$\mathcal{O}(1; \{2^6, 15, 30^2\})$	21600
30	$\mathcal{O}(1; \{2^2, 3^3, 15, 30^2\})$	237600
30	$\mathcal{O}(1; \{2^3, 3, 6, 15, 30^2\})$	108000
30	$\mathcal{O}(1; \{3^2, 6^2, 15, 30^2\})$	453600
30	$\mathcal{O}(1; \{2, 6^3, 15, 30^2\})$	237600
30	$\mathcal{O}(1; \{2, 5^2, 10, 15, 30^2\})$	1476000
30	$\mathcal{O}(1; \{2, 3, 10, 15^2, 30^2\})$	1836000
30	$\mathcal{O}(1; \{2^3, 3, 5, 30^3\})$	280800
30	$\mathcal{O}(1; \{3^2, 5, 6, 30^3\})$	1029600
30	$\mathcal{O}(1; \{2, 5, 6^2, 30^3\})$	468000
30	$\mathcal{O}(1; \{2, 3, 10^2, 30^3\})$	1101600
30	$\mathcal{O}(1; \{2^4, 30^4\})$	280800
30	$\mathcal{O}(1; \{3^3, 30^4\})$	1965600
30	$\mathcal{O}(1; \{2, 3, 6, 30^4\})$	1029600
30	$\mathcal{O}(0; \{2^4, 3^4, 5^4\})$	312
30	$\mathcal{O}(0; \{2^5, 3^2, 5^4, 6\})$	104

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^5, 5^4, 6\})$	1144
30	$\mathcal{O}(0; \{2^6, 5^4, 6^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5^4, 6^2\})$	520
30	$\mathcal{O}(0; \{2^3, 3, 5^4, 6^3\})$	312
30	$\mathcal{O}(0; \{3^2, 5^4, 6^4\})$	1144
30	$\mathcal{O}(0; \{2, 5^4, 6^5\})$	520
30	$\mathcal{O}(0; \{2^7, 3^4, 5, 10\})$	24
30	$\mathcal{O}(0; \{2^3, 3^7, 5, 10\})$	168
30	$\mathcal{O}(0; \{2^8, 3^2, 5, 6, 10\})$	8
30	$\mathcal{O}(0; \{2^4, 3^5, 5, 6, 10\})$	88
30	$\mathcal{O}(0; \{3^8, 5, 6, 10\})$	680
30	$\mathcal{O}(0; \{3^2, 5^6, 6, 10\})$	6552
30	$\mathcal{O}(0; \{2^9, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{2^5, 3^3, 5, 6^2, 10\})$	40
30	$\mathcal{O}(0; \{2, 3^6, 5, 6^2, 10\})$	344
30	$\mathcal{O}(0; \{2, 5^6, 6^2, 10\})$	6552
30	$\mathcal{O}(0; \{2^6, 3, 5, 6^3, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 3^4, 5, 6^3, 10\})$	168
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 6^4, 10\})$	88
30	$\mathcal{O}(0; \{2^4, 5, 6^5, 10\})$	40
30	$\mathcal{O}(0; \{3^3, 5, 6^5, 10\})$	344
30	$\mathcal{O}(0; \{2, 3, 5, 6^6, 10\})$	168
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 10^2\})$	1224
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6, 10^2\})$	408
30	$\mathcal{O}(0; \{2^4, 5^3, 6^2, 10^2\})$	408
30	$\mathcal{O}(0; \{3^3, 5^3, 6^2, 10^2\})$	2040
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^3, 10^2\})$	1224
30	$\mathcal{O}(0; \{2^5, 3^4, 10^3\})$	72
30	$\mathcal{O}(0; \{2, 3^7, 10^3\})$	504
30	$\mathcal{O}(0; \{2^6, 3^2, 6, 10^3\})$	24
30	$\mathcal{O}(0; \{2^2, 3^5, 6, 10^3\})$	264
30	$\mathcal{O}(0; \{2^7, 6^2, 10^3\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 10^3\})$	120
30	$\mathcal{O}(0; \{2^4, 3, 6^3, 10^3\})$	72
30	$\mathcal{O}(0; \{3^4, 6^3, 10^3\})$	504
30	$\mathcal{O}(0; \{2, 3^2, 6^4, 10^3\})$	264
30	$\mathcal{O}(0; \{2^2, 6^5, 10^3\})$	120
30	$\mathcal{O}(0; \{3^4, 5^2, 10^4\})$	4920
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6, 10^4\})$	1640
30	$\mathcal{O}(0; \{2^2, 5^2, 6^2, 10^4\})$	1640
30	$\mathcal{O}(0; \{5, 6^2, 10^6\})$	6552
30	$\mathcal{O}(0; \{2^8, 3^2, 5^2, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3^5, 5^2, 15\})$	264

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^9, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{2^5, 3^3, 5^2, 6, 15\})$	120
30	$\mathcal{O}(0; \{2, 3^6, 5^2, 6, 15\})$	1032
30	$\mathcal{O}(0; \{2, 5^7, 6, 15\})$	26216
30	$\mathcal{O}(0; \{2^6, 3, 5^2, 6^2, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 3^4, 5^2, 6^2, 15\})$	504
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 6^3, 15\})$	264
30	$\mathcal{O}(0; \{2^4, 5^2, 6^4, 15\})$	120
30	$\mathcal{O}(0; \{3^3, 5^2, 6^4, 15\})$	1032
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^5, 15\})$	504
30	$\mathcal{O}(0; \{2^3, 3^2, 5^4, 10, 15\})$	1640
30	$\mathcal{O}(0; \{2^4, 5^4, 6, 10, 15\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^4, 6, 10, 15\})$	8200
30	$\mathcal{O}(0; \{2, 3, 5^4, 6^2, 10, 15\})$	4920
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 10^2, 15\})$	1144
30	$\mathcal{O}(0; \{2^7, 5, 6, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6, 10^2, 15\})$	520
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^2, 10^2, 15\})$	312
30	$\mathcal{O}(0; \{3^4, 5, 6^2, 10^2, 15\})$	2184
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^3, 10^2, 15\})$	1144
30	$\mathcal{O}(0; \{2^2, 5, 6^4, 10^2, 15\})$	520
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 10^3, 15\})$	6552
30	$\mathcal{O}(0; \{2^2, 5^3, 6, 10^3, 15\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{3^5, 10^4, 15\})$	4488
30	$\mathcal{O}(0; \{2^5, 6, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 6, 10^4, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 10^4, 15\})$	1224
30	$\mathcal{O}(0; \{6^4, 10^4, 15\})$	2040
30	$\mathcal{O}(0; \{5^2, 6, 10^5, 15\})$	26216
30	$\mathcal{O}(0; \{2^{12}, 15^2\})$	8
30	$\mathcal{O}(0; \{2^8, 3^3, 15^2\})$	40
30	$\mathcal{O}(0; \{2^4, 3^6, 15^2\})$	344
30	$\mathcal{O}(0; \{2^4, 5^5, 15^2\})$	6552
30	$\mathcal{O}(0; \{2^9, 3, 6, 15^2\})$	24
30	$\mathcal{O}(0; \{2^5, 3^4, 6, 15^2\})$	168
30	$\mathcal{O}(0; \{2, 3^7, 6, 15^2\})$	1368
30	$\mathcal{O}(0; \{2, 3, 5^5, 6, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 15^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 15^2\})$	680
30	$\mathcal{O}(0; \{2^7, 6^3, 15^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 15^2\})$	344

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 3, 6^4, 15^2\})$	168
30	$\mathcal{O}(0; \{3^4, 6^4, 15^2\})$	1368
30	$\mathcal{O}(0; \{2, 3^2, 6^5, 15^2\})$	680
30	$\mathcal{O}(0; \{2^2, 6^6, 15^2\})$	344
30	$\mathcal{O}(0; \{2^7, 5^2, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6, 10, 15^2\})$	1224
30	$\mathcal{O}(0; \{3^4, 5^2, 6, 10, 15^2\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^2, 10, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 5^2, 6^3, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^4, 10^2, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 5, 10^3, 15^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5, 10^3, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10^3, 15^2\})$	4920
30	$\mathcal{O}(0; \{5, 6^3, 10^3, 15^2\})$	8200
30	$\mathcal{O}(0; \{5^3, 10^4, 15^2\})$	104856
30	$\mathcal{O}(0; \{2^3, 10^5, 15^2\})$	6552
30	$\mathcal{O}(0; \{3, 6, 10^5, 15^2\})$	19656
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 15^3\})$	4920
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6, 15^3\})$	18040
30	$\mathcal{O}(0; \{2^2, 5^3, 6^2, 15^3\})$	8200
30	$\mathcal{O}(0; \{2^7, 3, 10, 15^3\})$	312
30	$\mathcal{O}(0; \{2^3, 3^4, 10, 15^3\})$	2184
30	$\mathcal{O}(0; \{2^4, 3^2, 6, 10, 15^3\})$	1144
30	$\mathcal{O}(0; \{3^5, 6, 10, 15^3\})$	8840
30	$\mathcal{O}(0; \{2^5, 6^2, 10, 15^3\})$	520
30	$\mathcal{O}(0; \{2, 3^3, 6^2, 10, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 6^3, 10, 15^3\})$	2184
30	$\mathcal{O}(0; \{6^5, 10, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10^2, 15^3\})$	19656
30	$\mathcal{O}(0; \{5^2, 6^2, 10^2, 15^3\})$	32760
30	$\mathcal{O}(0; \{3, 5, 10^4, 15^3\})$	78648
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 15^4\})$	4488
30	$\mathcal{O}(0; \{2^5, 5, 6, 15^4\})$	2040
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 15^4\})$	17544
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 15^4\})$	8568
30	$\mathcal{O}(0; \{5, 6^4, 15^4\})$	17544
30	$\mathcal{O}(0; \{5^3, 6, 10, 15^4\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 10^2, 15^4\})$	18040
30	$\mathcal{O}(0; \{2^3, 6, 10^2, 15^4\})$	8200
30	$\mathcal{O}(0; \{3, 6^2, 10^2, 15^4\})$	34440
30	$\mathcal{O}(0; \{2^3, 5, 10, 15^5\})$	32760
30	$\mathcal{O}(0; \{3, 5, 6, 10, 15^5\})$	137592

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 10^3, 15^5\})$	131080
30	$\mathcal{O}(0; \{2, 6, 15^7\})$	281736
30	$\mathcal{O}(0; \{2^5, 3^3, 5^3, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^6, 5^3, 30\})$	2184
30	$\mathcal{O}(0; \{2^6, 3, 5^3, 6, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 6, 30\})$	1144
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6^2, 30\})$	520
30	$\mathcal{O}(0; \{2^4, 5^3, 6^3, 30\})$	312
30	$\mathcal{O}(0; \{3^3, 5^3, 6^3, 30\})$	2184
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^4, 30\})$	1144
30	$\mathcal{O}(0; \{2^8, 3^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^6, 10, 30\})$	168
30	$\mathcal{O}(0; \{3^9, 10, 30\})$	1368
30	$\mathcal{O}(0; \{3^3, 5^5, 10, 30\})$	19656
30	$\mathcal{O}(0; \{2^9, 3, 6, 10, 30\})$	8
30	$\mathcal{O}(0; \{2^5, 3^4, 6, 10, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^7, 6, 10, 30\})$	680
30	$\mathcal{O}(0; \{2, 3, 5^5, 6, 10, 30\})$	6552
30	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 10, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 10, 30\})$	344
30	$\mathcal{O}(0; \{2^7, 6^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 10, 30\})$	168
30	$\mathcal{O}(0; \{2^4, 3, 6^4, 10, 30\})$	88
30	$\mathcal{O}(0; \{3^4, 6^4, 10, 30\})$	680
30	$\mathcal{O}(0; \{2, 3^2, 6^5, 10, 30\})$	344
30	$\mathcal{O}(0; \{2^2, 6^6, 10, 30\})$	168
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 10^2, 30\})$	1224
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{3^4, 5^2, 6, 10^2, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^2, 10^2, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^2, 6^3, 10^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 5, 10^4, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10^4, 30\})$	1640
30	$\mathcal{O}(0; \{5, 6^3, 10^4, 30\})$	4920
30	$\mathcal{O}(0; \{3, 6, 10^6, 30\})$	6552
30	$\mathcal{O}(0; \{2^9, 3, 5, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^5, 3^4, 5, 15, 30\})$	264
30	$\mathcal{O}(0; \{2, 3^7, 5, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2, 3, 5^6, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 6, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 6, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^7, 5, 6^2, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6^2, 15, 30\})$	504

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^3, 15, 30\})$	264
30	$\mathcal{O}(0; \{3^4, 5, 6^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^4, 15, 30\})$	1032
30	$\mathcal{O}(0; \{2^2, 5, 6^5, 15, 30\})$	504
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 10, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^3, 10, 15, 30\})$	18040
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6, 10, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^2, 5^3, 6^2, 10, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^7, 3, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 10^2, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^4, 3^2, 6, 10^2, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^5, 6, 10^2, 15, 30\})$	4472
30	$\mathcal{O}(0; \{2^5, 6^2, 10^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3^3, 6^2, 10^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 6^3, 10^2, 15, 30\})$	1144
30	$\mathcal{O}(0; \{6^5, 10^2, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10^3, 15, 30\})$	6552
30	$\mathcal{O}(0; \{5^2, 6^2, 10^3, 15, 30\})$	19656
30	$\mathcal{O}(0; \{3, 5, 10^5, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2^2, 5^4, 6, 15^2, 30\})$	19656
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{3^5, 5, 10, 15^2, 30\})$	17544
30	$\mathcal{O}(0; \{2^5, 5, 6, 10, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{5, 6^4, 10, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{5^3, 6, 10^2, 15^2, 30\})$	78648
30	$\mathcal{O}(0; \{2^2, 3^2, 10^3, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{2^3, 6, 10^3, 15^2, 30\})$	4920
30	$\mathcal{O}(0; \{3, 6^2, 10^3, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2^5, 5^2, 15^3, 30\})$	4920
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 15^3, 30\})$	18040
30	$\mathcal{O}(0; \{5^2, 6^3, 15^3, 30\})$	34440
30	$\mathcal{O}(0; \{5^4, 10, 15^3, 30\})$	314568
30	$\mathcal{O}(0; \{2^3, 5, 10^2, 15^3, 30\})$	19656
30	$\mathcal{O}(0; \{3, 5, 6, 10^2, 15^3, 30\})$	72072
30	$\mathcal{O}(0; \{2, 10^4, 15^3, 30\})$	78648
30	$\mathcal{O}(0; \{2^5, 3, 15^4, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3^4, 15^4, 30\})$	34680
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 15^4, 30\})$	17544
30	$\mathcal{O}(0; \{2^3, 6^2, 15^4, 30\})$	8568

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 6^3, 15^4, 30\})$	34680
30	$\mathcal{O}(0; \{3, 5^2, 10, 15^4, 30\})$	288376
30	$\mathcal{O}(0; \{3^2, 10, 15^5, 30\})$	281736
30	$\mathcal{O}(0; \{2, 6, 10, 15^5, 30\})$	137592
30	$\mathcal{O}(0; \{2, 5, 15^6, 30\})$	550536
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^7, 5^2, 6, 30^2\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3^4, 5^2, 6^2, 30^2\})$	4472
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^3, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^2, 5^2, 6^4, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 10, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^2, 5^4, 6, 10, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^5, 5, 10^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^5, 5, 6, 10^2, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{5, 6^4, 10^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{5^3, 6, 10^3, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^2, 3^2, 10^4, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^3, 6, 10^4, 30^2\})$	1640
30	$\mathcal{O}(0; \{3, 6^2, 10^4, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^{10}, 15, 30^2\})$	24
30	$\mathcal{O}(0; \{2^6, 3^3, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2^2, 3^6, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^5, 15, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^7, 3, 6, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{2^3, 3^4, 6, 15, 30^2\})$	1032
30	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 15, 30^2\})$	504
30	$\mathcal{O}(0; \{3^5, 6^2, 15, 30^2\})$	4104
30	$\mathcal{O}(0; \{2^5, 6^3, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 3^3, 6^3, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 6^4, 15, 30^2\})$	1032
30	$\mathcal{O}(0; \{6^6, 15, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^5, 5^2, 10, 15, 30^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{5^2, 6^3, 10, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{5^4, 10^2, 15, 30^2\})$	104856
30	$\mathcal{O}(0; \{2^3, 5, 10^3, 15, 30^2\})$	6552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5, 6, 10^3, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{2, 10^5, 15, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 15^2, 30^2\})$	32760
30	$\mathcal{O}(0; \{5^3, 6^2, 15^2, 30^2\})$	72072
30	$\mathcal{O}(0; \{2^5, 3, 10, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{2, 3^4, 10, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10, 15^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{2^3, 6^2, 10, 15^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{3, 6^3, 10, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{3, 5^2, 10^2, 15^2, 30^2\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 15^3, 30^2\})$	34440
30	$\mathcal{O}(0; \{2^3, 5, 6, 15^3, 30^2\})$	18040
30	$\mathcal{O}(0; \{3, 5, 6^2, 15^3, 30^2\})$	70520
30	$\mathcal{O}(0; \{3^2, 10^2, 15^3, 30^2\})$	137592
30	$\mathcal{O}(0; \{2, 6, 10^2, 15^3, 30^2\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10, 15^4, 30^2\})$	288376
30	$\mathcal{O}(0; \{2^7, 3, 5, 30^3\})$	312
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 30^3\})$	2184
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 30^3\})$	1144
30	$\mathcal{O}(0; \{3^5, 5, 6, 30^3\})$	8840
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 30^3\})$	2184
30	$\mathcal{O}(0; \{5, 6^5, 30^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10, 30^3\})$	19656
30	$\mathcal{O}(0; \{5^3, 6^2, 10, 30^3\})$	32760
30	$\mathcal{O}(0; \{2^5, 3, 10^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^4, 10^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{2^3, 6^2, 10^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{3, 6^3, 10^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{3, 5^2, 10^3, 30^3\})$	78648
30	$\mathcal{O}(0; \{5^4, 6, 15, 30^3\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^3, 5, 6, 10, 15, 30^3\})$	8200
30	$\mathcal{O}(0; \{3, 5, 6^2, 10, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{3^2, 10^3, 15, 30^3\})$	72072
30	$\mathcal{O}(0; \{2, 6, 10^3, 15, 30^3\})$	32760
30	$\mathcal{O}(0; \{2^3, 5^2, 15^2, 30^3\})$	32760
30	$\mathcal{O}(0; \{3, 5^2, 6, 15^2, 30^3\})$	137592
30	$\mathcal{O}(0; \{2, 5, 10^2, 15^2, 30^3\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 15^3, 30^3\})$	34440
30	$\mathcal{O}(0; \{3^2, 6, 15^3, 30^3\})$	139400

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 6^2, 15^3, 30^3\})$	70520
30	$\mathcal{O}(0; \{2^8, 30^4\})$	312
30	$\mathcal{O}(0; \{2^4, 3^3, 30^4\})$	2184
30	$\mathcal{O}(0; \{3^6, 30^4\})$	17784
30	$\mathcal{O}(0; \{5^5, 30^4\})$	314568
30	$\mathcal{O}(0; \{2^5, 3, 6, 30^4\})$	1144
30	$\mathcal{O}(0; \{2, 3^4, 6, 30^4\})$	8840
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 30^4\})$	4472
30	$\mathcal{O}(0; \{2^3, 6^3, 30^4\})$	2184
30	$\mathcal{O}(0; \{3, 6^4, 30^4\})$	8840
30	$\mathcal{O}(0; \{2^3, 5^2, 10, 30^4\})$	19656
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 30^4\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10^3, 30^4\})$	78648
30	$\mathcal{O}(0; \{3, 5^3, 15, 30^4\})$	288376
30	$\mathcal{O}(0; \{2^3, 3, 10, 15, 30^4\})$	18040
30	$\mathcal{O}(0; \{3^2, 6, 10, 15, 30^4\})$	70520
30	$\mathcal{O}(0; \{2, 6^2, 10, 15, 30^4\})$	34440
30	$\mathcal{O}(0; \{3^2, 5, 15^2, 30^4\})$	281736
30	$\mathcal{O}(0; \{2, 5, 6, 15^2, 30^4\})$	137592
30	$\mathcal{O}(0; \{3^2, 5, 10, 30^5\})$	137592
30	$\mathcal{O}(0; \{2, 5, 6, 10, 30^5\})$	72072
30	$\mathcal{O}(0; \{2, 5^2, 15, 30^5\})$	288376
30	$\mathcal{O}(0; \{2, 3, 15^2, 30^5\})$	281736
30	$\mathcal{O}(0; \{2, 3, 10, 30^6\})$	137592
32	$\mathcal{O}(3; \{4^2\})$	2113929216
32	$\mathcal{O}(2; \{2^4, 4^2\})$	1966080
32	$\mathcal{O}(2; \{2, 4^4\})$	7864320
32	$\mathcal{O}(2; \{2^2, 4, 8^2\})$	7864320
32	$\mathcal{O}(2; \{8^4\})$	62914560
32	$\mathcal{O}(2; \{4, 8, 16^2\})$	62914560
32	$\mathcal{O}(1; \{2^8, 4^2\})$	1536
32	$\mathcal{O}(1; \{2^5, 4^4\})$	6144
32	$\mathcal{O}(1; \{2^2, 4^6\})$	24576
32	$\mathcal{O}(1; \{2^6, 4, 8^2\})$	6144
32	$\mathcal{O}(1; \{2^3, 4^3, 8^2\})$	24576
32	$\mathcal{O}(1; \{4^5, 8^2\})$	98304
32	$\mathcal{O}(1; \{2^4, 8^4\})$	49152
32	$\mathcal{O}(1; \{2, 4^2, 8^4\})$	196608
32	$\mathcal{O}(1; \{2^4, 4, 8, 16^2\})$	49152
32	$\mathcal{O}(1; \{2, 4^3, 8, 16^2\})$	196608
32	$\mathcal{O}(1; \{2^2, 8^3, 16^2\})$	393216
32	$\mathcal{O}(1; \{2^2, 4, 16^4\})$	786432
32	$\mathcal{O}(1; \{8^2, 16^4\})$	6291456

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(1; \{2^2, 4, 8, 16, 32^2\})$	1048576
32	$\mathcal{O}(1; \{8^3, 16, 32^2\})$	8388608
32	$\mathcal{O}(1; \{4, 16^3, 32^2\})$	16777216
32	$\mathcal{O}(1; \{4, 8, 32^4\})$	33554432
32	$\mathcal{O}(0; \{2^6, 4, 8, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^3, 4^3, 8, 16, 32^2\})$	4096
32	$\mathcal{O}(0; \{4^5, 8, 16, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^4, 8^3, 16, 32^2\})$	8192
32	$\mathcal{O}(0; \{2, 4^2, 8^3, 16, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^4, 4, 16^3, 32^2\})$	16384
32	$\mathcal{O}(0; \{2, 4^3, 16^3, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^2, 8^2, 16^3, 32^2\})$	131072
32	$\mathcal{O}(0; \{8, 16^5, 32^2\})$	2097152
32	$\mathcal{O}(0; \{2^4, 4, 8, 32^4\})$	32768
32	$\mathcal{O}(0; \{2, 4^3, 8, 32^4\})$	131072
32	$\mathcal{O}(0; \{2^2, 8^3, 32^4\})$	262144
32	$\mathcal{O}(0; \{2^2, 4, 16^2, 32^4\})$	524288
32	$\mathcal{O}(0; \{8^2, 16^2, 32^4\})$	4194304
32	$\mathcal{O}(0; \{4, 16, 32^6\})$	16777216
33	$\mathcal{O}(3; \{3^2\})$	2582934480
33	$\mathcal{O}(2; \{3^5\})$	11858400
33	$\mathcal{O}(1; \{3^8\})$	92880
33	$\mathcal{O}(1; \{3, 11^3, 33^2\})$	19798020
33	$\mathcal{O}(0; \{3^4, 11^3, 33^2\})$	199980
33	$\mathcal{O}(0; \{3, 11^2, 33^5\})$	19999980
34	$\mathcal{O}(0; \{2^3, 17^5, 34\})$	986896
34	$\mathcal{O}(0; \{2, 17^4, 34^3\})$	15790320
35	$\mathcal{O}(1; \{5^2, 7^4\})$	911400
35	$\mathcal{O}(1; \{5^4, 7, 35\})$	1499400
35	$\mathcal{O}(0; \{5, 7^5, 35^2\})$	479880
35	$\mathcal{O}(0; \{5^3, 7^2, 35^3\})$	910200
36	$\mathcal{O}(2; \{2^2, 18^2\})$	9447840
36	$\mathcal{O}(2; \{18, 36^2\})$	60466176
36	$\mathcal{O}(1; \{3^2, 9^4\})$	629856
36	$\mathcal{O}(1; \{2, 6, 9^4\})$	314928
36	$\mathcal{O}(1; \{2^3, 3, 9^2, 18\})$	34992
36	$\mathcal{O}(1; \{3, 4^2, 9^2, 18\})$	93312
36	$\mathcal{O}(1; \{3^2, 6, 9^2, 18\})$	139968
36	$\mathcal{O}(1; \{2, 6^2, 9^2, 18\})$	69984
36	$\mathcal{O}(1; \{2, 4, 9^2, 12, 18\})$	93312
36	$\mathcal{O}(1; \{2^6, 18^2\})$	5832
36	$\mathcal{O}(1; \{2^2, 3^3, 18^2\})$	46656
36	$\mathcal{O}(1; \{2^3, 4^2, 18^2\})$	15552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{4^4, 18^2\})$	62208
36	$\mathcal{O}(1; \{2^3, 3, 6, 18^2\})$	23328
36	$\mathcal{O}(1; \{3, 4^2, 6, 18^2\})$	62208
36	$\mathcal{O}(1; \{3^2, 6^2, 18^2\})$	93312
36	$\mathcal{O}(1; \{2, 6^3, 18^2\})$	46656
36	$\mathcal{O}(1; \{3^2, 4, 12, 18^2\})$	124416
36	$\mathcal{O}(1; \{2, 4, 6, 12, 18^2\})$	62208
36	$\mathcal{O}(1; \{2, 3, 12^2, 18^2\})$	124416
36	$\mathcal{O}(1; \{2, 3, 9, 18^3\})$	314928
36	$\mathcal{O}(1; \{2, 4, 9^3, 36\})$	419904
36	$\mathcal{O}(1; \{3^2, 4, 9, 18, 36\})$	186624
36	$\mathcal{O}(1; \{2, 4, 6, 9, 18, 36\})$	93312
36	$\mathcal{O}(1; \{2, 3, 9, 12, 18, 36\})$	186624
36	$\mathcal{O}(1; \{2, 3, 9^2, 36^2\})$	839808
36	$\mathcal{O}(1; \{2^4, 18, 36^2\})$	46656
36	$\mathcal{O}(1; \{3^3, 18, 36^2\})$	373248
36	$\mathcal{O}(1; \{2, 4^2, 18, 36^2\})$	186624
36	$\mathcal{O}(1; \{2, 3, 6, 18, 36^2\})$	186624
36	$\mathcal{O}(1; \{2^2, 36^4\})$	1679616
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 9^4\})$	1296
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 9^4\})$	648
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^4, 12\})$	1296
36	$\mathcal{O}(0; \{4, 6^2, 9^4, 12\})$	2592
36	$\mathcal{O}(0; \{2^3, 9^4, 12^2\})$	1296
36	$\mathcal{O}(0; \{4^2, 9^4, 12^2\})$	5184
36	$\mathcal{O}(0; \{3, 6, 9^4, 12^2\})$	5184
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 9^2, 18\})$	72
36	$\mathcal{O}(0; \{3^4, 4^2, 9^2, 18\})$	576
36	$\mathcal{O}(0; \{2, 3, 4^4, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 9^2, 18\})$	288
36	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 9^2, 18\})$	144
36	$\mathcal{O}(0; \{4^2, 9^5, 18\})$	10692
36	$\mathcal{O}(0; \{2^5, 4, 9^2, 12, 18\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 9^2, 12, 18\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9^2, 12, 18\})$	288
36	$\mathcal{O}(0; \{4, 6^3, 9^2, 12, 18\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 9^2, 12^2, 18\})$	576
36	$\mathcal{O}(0; \{2^3, 6, 9^2, 12^2, 18\})$	288
36	$\mathcal{O}(0; \{4^2, 6, 9^2, 12^2, 18\})$	1152
36	$\mathcal{O}(0; \{3, 6^2, 9^2, 12^2, 18\})$	1152
36	$\mathcal{O}(0; \{3, 4, 9^2, 12^3, 18\})$	2304
36	$\mathcal{O}(0; \{2, 9^2, 12^4, 18\})$	2304

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^7, 4^2, 18^2\})$	12
36	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 18^2\})$	96
36	$\mathcal{O}(0; \{2^4, 4^4, 18^2\})$	48
36	$\mathcal{O}(0; \{3^3, 4^4, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 4^6, 18^2\})$	192
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 18^2\})$	48
36	$\mathcal{O}(0; \{3^4, 4^2, 6, 18^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 4^4, 6, 18^2\})$	192
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 18^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 18^2\})$	96
36	$\mathcal{O}(0; \{4^2, 6, 9^3, 18^2\})$	3240
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{3^5, 4, 12, 18^2\})$	768
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2^5, 4, 6, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12, 18^2\})$	192
36	$\mathcal{O}(0; \{4, 6^4, 12, 18^2\})$	384
36	$\mathcal{O}(0; \{3, 4, 9^3, 12, 18^2\})$	6480
36	$\mathcal{O}(0; \{2^5, 3, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{2, 3^4, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^2, 18^2\})$	384
36	$\mathcal{O}(0; \{2^3, 6^2, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{4^2, 6^2, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{3, 6^3, 12^2, 18^2\})$	768
36	$\mathcal{O}(0; \{2, 9^3, 12^2, 18^2\})$	6480
36	$\mathcal{O}(0; \{2^3, 4, 12^3, 18^2\})$	384
36	$\mathcal{O}(0; \{4^3, 12^3, 18^2\})$	1536
36	$\mathcal{O}(0; \{3, 4, 6, 12^3, 18^2\})$	1536
36	$\mathcal{O}(0; \{3^2, 12^4, 18^2\})$	3072
36	$\mathcal{O}(0; \{2, 6, 12^4, 18^2\})$	1536
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9, 18^3\})$	648
36	$\mathcal{O}(0; \{4^2, 6^2, 9, 18^3\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 9, 12, 18^3\})$	648
36	$\mathcal{O}(0; \{4^3, 9, 12, 18^3\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6, 9, 12, 18^3\})$	2592
36	$\mathcal{O}(0; \{3^2, 9, 12^2, 18^3\})$	5184
36	$\mathcal{O}(0; \{2, 6, 9, 12^2, 18^3\})$	2592
36	$\mathcal{O}(0; \{3, 4^2, 18^5\})$	3240
36	$\mathcal{O}(0; \{2, 4, 12, 18^5\})$	3240
36	$\mathcal{O}(0; \{2^5, 4, 9^3, 36\})$	324

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3^3, 4, 9^3, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 4^3, 9^3, 36\})$	1296
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9^3, 36\})$	1296
36	$\mathcal{O}(0; \{4, 6^3, 9^3, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 9^3, 12, 36\})$	2592
36	$\mathcal{O}(0; \{2^3, 6, 9^3, 12, 36\})$	1296
36	$\mathcal{O}(0; \{4^2, 6, 9^3, 12, 36\})$	5184
36	$\mathcal{O}(0; \{3, 6^2, 9^3, 12, 36\})$	5184
36	$\mathcal{O}(0; \{3, 4, 9^3, 12^2, 36\})$	10368
36	$\mathcal{O}(0; \{2, 9^3, 12^3, 36\})$	10368
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{3^5, 4, 9, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^5, 4, 6, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 9, 18, 36\})$	288
36	$\mathcal{O}(0; \{4, 6^4, 9, 18, 36\})$	576
36	$\mathcal{O}(0; \{3, 4, 9^4, 18, 36\})$	21384
36	$\mathcal{O}(0; \{2^5, 3, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{2, 3^4, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9, 12, 18, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 6^2, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{4^2, 6^2, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{3, 6^3, 9, 12, 18, 36\})$	1152
36	$\mathcal{O}(0; \{2, 9^4, 12, 18, 36\})$	21384
36	$\mathcal{O}(0; \{2^3, 4, 9, 12^2, 18, 36\})$	576
36	$\mathcal{O}(0; \{4^3, 9, 12^2, 18, 36\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6, 9, 12^2, 18, 36\})$	2304
36	$\mathcal{O}(0; \{3^2, 9, 12^3, 18, 36\})$	4608
36	$\mathcal{O}(0; \{2, 6, 9, 12^3, 18, 36\})$	2304
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 18^2, 36\})$	1620
36	$\mathcal{O}(0; \{4^3, 9^2, 18^2, 36\})$	6480
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 18^2, 36\})$	6480
36	$\mathcal{O}(0; \{3^2, 9^2, 12, 18^2, 36\})$	12960
36	$\mathcal{O}(0; \{2, 6, 9^2, 12, 18^2, 36\})$	6480
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 6, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{4^3, 6, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6^2, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2^3, 3, 12, 18^3, 36\})$	1296
36	$\mathcal{O}(0; \{3, 4^2, 12, 18^3, 36\})$	5184

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^2, 6, 12, 18^3, 36\})$	5184
36	$\mathcal{O}(0; \{2, 6^2, 12, 18^3, 36\})$	2592
36	$\mathcal{O}(0; \{2, 4, 12^2, 18^3, 36\})$	5184
36	$\mathcal{O}(0; \{2, 4, 9, 18^4, 36\})$	10692
36	$\mathcal{O}(0; \{2^5, 3, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2, 3^4, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^2, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^3, 6^2, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{4^2, 6^2, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{3, 6^3, 9^2, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 9^5, 36^2\})$	61236
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 12, 36^2\})$	2592
36	$\mathcal{O}(0; \{4^3, 9^2, 12, 36^2\})$	10368
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 12, 36^2\})$	10368
36	$\mathcal{O}(0; \{3^2, 9^2, 12^2, 36^2\})$	20736
36	$\mathcal{O}(0; \{2, 6, 9^2, 12^2, 36^2\})$	10368
36	$\mathcal{O}(0; \{2^8, 18, 36^2\})$	36
36	$\mathcal{O}(0; \{2^4, 3^3, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3^6, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^5, 4^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^3, 4^2, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 4^4, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^5, 3, 6, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3^4, 6, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2^3, 6^3, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{4^2, 6^3, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{3, 6^4, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{3^2, 9^3, 18, 36^2\})$	42768
36	$\mathcal{O}(0; \{2, 6, 9^3, 18, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 12, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{2^3, 4, 6, 12, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{4^3, 6, 12, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6^2, 12, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2^3, 3, 12^2, 18, 36^2\})$	1152
36	$\mathcal{O}(0; \{3, 4^2, 12^2, 18, 36^2\})$	4608
36	$\mathcal{O}(0; \{3^2, 6, 12^2, 18, 36^2\})$	4608
36	$\mathcal{O}(0; \{2, 6^2, 12^2, 18, 36^2\})$	2304
36	$\mathcal{O}(0; \{2, 4, 12^3, 18, 36^2\})$	4608
36	$\mathcal{O}(0; \{2^3, 3, 9, 18^2, 36^2\})$	3240
36	$\mathcal{O}(0; \{3, 4^2, 9, 18^2, 36^2\})$	12960

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^2, 6, 9, 18^2, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 6^2, 9, 18^2, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 4, 9, 12, 18^2, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 3, 18^4, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 36^3\})$	5184
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 36^3\})$	2592
36	$\mathcal{O}(0; \{4^3, 6, 9, 36^3\})$	10368
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 36^3\})$	10368
36	$\mathcal{O}(0; \{2^3, 3, 9, 12, 36^3\})$	5184
36	$\mathcal{O}(0; \{3, 4^2, 9, 12, 36^3\})$	20736
36	$\mathcal{O}(0; \{3^2, 6, 9, 12, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 6^2, 9, 12, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4, 9, 12^2, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 4, 9^2, 18, 36^3\})$	42768
36	$\mathcal{O}(0; \{3^2, 4, 18^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{2, 4, 6, 18^2, 36^3\})$	12960
36	$\mathcal{O}(0; \{2, 3, 12, 18^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{2^6, 36^4\})$	1296
36	$\mathcal{O}(0; \{2^2, 3^3, 36^4\})$	10368
36	$\mathcal{O}(0; \{2^3, 4^2, 36^4\})$	5184
36	$\mathcal{O}(0; \{4^4, 36^4\})$	20736
36	$\mathcal{O}(0; \{2^3, 3, 6, 36^4\})$	5184
36	$\mathcal{O}(0; \{3, 4^2, 6, 36^4\})$	20736
36	$\mathcal{O}(0; \{3^2, 6^2, 36^4\})$	20736
36	$\mathcal{O}(0; \{2, 6^3, 36^4\})$	10368
36	$\mathcal{O}(0; \{3^2, 4, 12, 36^4\})$	41472
36	$\mathcal{O}(0; \{2, 4, 6, 12, 36^4\})$	20736
36	$\mathcal{O}(0; \{2, 3, 12^2, 36^4\})$	41472
36	$\mathcal{O}(0; \{2, 3, 9, 18, 36^4\})$	85536
39	$\mathcal{O}(1; \{3^4, 13^2\})$	109512
39	$\mathcal{O}(1; \{3, 13, 39^3\})$	14565096
39	$\mathcal{O}(0; \{3^7, 13^2\})$	504
39	$\mathcal{O}(0; \{3^4, 13, 39^3\})$	67032
39	$\mathcal{O}(0; \{3, 39^6\})$	9647064
40	$\mathcal{O}(2; \{5^3\})$	28800000
40	$\mathcal{O}(2; \{2, 20^2\})$	19200000
40	$\mathcal{O}(1; \{2^4, 5^3\})$	14400
40	$\mathcal{O}(1; \{2, 4^2, 5^3\})$	28800
40	$\mathcal{O}(1; \{2^2, 5^2, 10^2\})$	62400
40	$\mathcal{O}(1; \{5, 10^4\})$	244800
40	$\mathcal{O}(1; \{2^2, 4, 5, 10, 20\})$	28800
40	$\mathcal{O}(1; \{5, 8^2, 10, 20\})$	153600
40	$\mathcal{O}(1; \{4, 10^3, 20\})$	124800

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(1; \{2^5, 20^2\})$	9600
40	$\mathcal{O}(1; \{2^2, 4^2, 20^2\})$	38400
40	$\mathcal{O}(1; \{4, 8^2, 20^2\})$	204800
40	$\mathcal{O}(1; \{5^2, 10, 20^2\})$	489600
40	$\mathcal{O}(1; \{4, 5, 20^3\})$	499200
40	$\mathcal{O}(1; \{2^2, 4, 5, 8, 40\})$	51200
40	$\mathcal{O}(1; \{5, 8^3, 40\})$	409600
40	$\mathcal{O}(1; \{4, 8, 10^2, 40\})$	153600
40	$\mathcal{O}(1; \{5^2, 8, 20, 40\})$	665600
40	$\mathcal{O}(1; \{4, 5, 10, 40^2\})$	665600
40	$\mathcal{O}(1; \{2^3, 20, 40^2\})$	153600
40	$\mathcal{O}(1; \{4^2, 20, 40^2\})$	614400
40	$\mathcal{O}(1; \{2, 40^4\})$	5324800
40	$\mathcal{O}(0; \{2^3, 4, 5^3, 8^2\})$	96
40	$\mathcal{O}(0; \{4^3, 5^3, 8^2\})$	384
40	$\mathcal{O}(0; \{2, 5^3, 8^4\})$	768
40	$\mathcal{O}(0; \{2, 4, 5^2, 8^2, 10^2\})$	416
40	$\mathcal{O}(0; \{2, 5^4, 8^2, 20\})$	1632
40	$\mathcal{O}(0; \{2^4, 5, 8^2, 10, 20\})$	96
40	$\mathcal{O}(0; \{2, 4^2, 5, 8^2, 10, 20\})$	384
40	$\mathcal{O}(0; \{2^2, 8^2, 10^3, 20\})$	416
40	$\mathcal{O}(0; \{2^4, 4, 8^2, 20^2\})$	128
40	$\mathcal{O}(0; \{2, 4^3, 8^2, 20^2\})$	512
40	$\mathcal{O}(0; \{2^2, 8^4, 20^2\})$	1024
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 20^3\})$	1664
40	$\mathcal{O}(0; \{8^2, 10^2, 20^3\})$	6528
40	$\mathcal{O}(0; \{2^6, 4, 5, 8, 40\})$	32
40	$\mathcal{O}(0; \{2^3, 4^3, 5, 8, 40\})$	128
40	$\mathcal{O}(0; \{4^5, 5, 8, 40\})$	512
40	$\mathcal{O}(0; \{2^4, 5, 8^3, 40\})$	256
40	$\mathcal{O}(0; \{2, 4^2, 5, 8^3, 40\})$	1024
40	$\mathcal{O}(0; \{2, 4, 5^3, 8, 10, 40\})$	1632
40	$\mathcal{O}(0; \{2^4, 4, 8, 10^2, 40\})$	96
40	$\mathcal{O}(0; \{2, 4^3, 8, 10^2, 40\})$	384
40	$\mathcal{O}(0; \{2^2, 8^3, 10^2, 40\})$	768
40	$\mathcal{O}(0; \{2^4, 5^2, 8, 20, 40\})$	416
40	$\mathcal{O}(0; \{2, 4^2, 5^2, 8, 20, 40\})$	1664
40	$\mathcal{O}(0; \{2^2, 5, 8, 10^2, 20, 40\})$	1632
40	$\mathcal{O}(0; \{8, 10^4, 20, 40\})$	6560
40	$\mathcal{O}(0; \{2^2, 4, 8, 10, 20^2, 40\})$	1664
40	$\mathcal{O}(0; \{8^3, 10, 20^2, 40\})$	13312
40	$\mathcal{O}(0; \{5, 8, 10, 20^3, 40\})$	26240
40	$\mathcal{O}(0; \{4, 8, 20^4, 40\})$	26112

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2, 4, 5^4, 40^2\})$	6560
40	$\mathcal{O}(0; \{2^4, 4, 5, 10, 40^2\})$	416
40	$\mathcal{O}(0; \{2, 4^3, 5, 10, 40^2\})$	1664
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 10, 40^2\})$	3328
40	$\mathcal{O}(0; \{2^2, 4, 10^3, 40^2\})$	1632
40	$\mathcal{O}(0; \{8^2, 10^3, 40^2\})$	13056
40	$\mathcal{O}(0; \{2^7, 20, 40^2\})$	96
40	$\mathcal{O}(0; \{2^4, 4^2, 20, 40^2\})$	384
40	$\mathcal{O}(0; \{2, 4^4, 20, 40^2\})$	1536
40	$\mathcal{O}(0; \{2^2, 4, 8^2, 20, 40^2\})$	3072
40	$\mathcal{O}(0; \{8^4, 20, 40^2\})$	24576
40	$\mathcal{O}(0; \{2^2, 5^2, 10, 20, 40^2\})$	6560
40	$\mathcal{O}(0; \{5, 10^3, 20, 40^2\})$	26208
40	$\mathcal{O}(0; \{2^2, 4, 5, 20^2, 40^2\})$	6528
40	$\mathcal{O}(0; \{5, 8^2, 20^2, 40^2\})$	52224
40	$\mathcal{O}(0; \{4, 10^2, 20^2, 40^2\})$	26240
40	$\mathcal{O}(0; \{5^2, 20^3, 40^2\})$	104832
40	$\mathcal{O}(0; \{2^2, 5^2, 8, 40^3\})$	13056
40	$\mathcal{O}(0; \{5, 8, 10^2, 40^3\})$	52480
40	$\mathcal{O}(0; \{4, 8, 10, 20, 40^3\})$	52224
40	$\mathcal{O}(0; \{2^5, 40^4\})$	3328
40	$\mathcal{O}(0; \{2^2, 4^2, 40^4\})$	13312
40	$\mathcal{O}(0; \{4, 8^2, 40^4\})$	106496
40	$\mathcal{O}(0; \{5^2, 10, 40^4\})$	209664
40	$\mathcal{O}(0; \{4, 5, 20, 40^4\})$	209920
42	$\mathcal{O}(1; \{2^2, 3^2, 14^2\})$	21168
42	$\mathcal{O}(1; \{3, 6^2, 14^2\})$	21168
42	$\mathcal{O}(1; \{3, 7^3, 21\})$	492156
42	$\mathcal{O}(1; \{2, 7, 14, 21^2\})$	656208
42	$\mathcal{O}(1; \{3^2, 21^3\})$	396900
42	$\mathcal{O}(1; \{2, 6, 21^3\})$	317520
42	$\mathcal{O}(1; \{3, 6, 7^2, 42\})$	105840
42	$\mathcal{O}(1; \{3^2, 14, 21, 42\})$	317520
42	$\mathcal{O}(1; \{2, 6, 14, 21, 42\})$	105840
42	$\mathcal{O}(0; \{2, 3^2, 7^4, 14\})$	2220
42	$\mathcal{O}(0; \{2^6, 3^2, 14^2\})$	12
42	$\mathcal{O}(0; \{2^2, 3^5, 14^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3^3, 6, 14^2\})$	36
42	$\mathcal{O}(0; \{2^4, 3, 6^2, 14^2\})$	12
42	$\mathcal{O}(0; \{3^4, 6^2, 14^2\})$	132
42	$\mathcal{O}(0; \{2, 3^2, 6^3, 14^2\})$	60
42	$\mathcal{O}(0; \{2^2, 6^4, 14^2\})$	36
42	$\mathcal{O}(0; \{2^4, 3, 7^3, 21\})$	372

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2, 3^2, 6, 7^3, 21\})$	1116
42	$\mathcal{O}(0; \{2^2, 6^2, 7^3, 21\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 7^2, 14^2, 21\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^2, 14^2, 21\})$	2220
42	$\mathcal{O}(0; \{3, 7, 14^4, 21\})$	13332
42	$\mathcal{O}(0; \{2^5, 7, 14, 21^2\})$	372
42	$\mathcal{O}(0; \{2, 3^3, 7, 14, 21^2\})$	1860
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 14, 21^2\})$	1116
42	$\mathcal{O}(0; \{6^3, 7, 14, 21^2\})$	1860
42	$\mathcal{O}(0; \{2^3, 14^3, 21^2\})$	2220
42	$\mathcal{O}(0; \{3, 6, 14^3, 21^2\})$	6660
42	$\mathcal{O}(0; \{2^4, 3^2, 21^3\})$	300
42	$\mathcal{O}(0; \{2^5, 6, 21^3\})$	180
42	$\mathcal{O}(0; \{2, 3^3, 6, 21^3\})$	1260
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 21^3\})$	660
42	$\mathcal{O}(0; \{6^4, 21^3\})$	1260
42	$\mathcal{O}(0; \{2, 14, 21^5\})$	66660
42	$\mathcal{O}(0; \{2^3, 3^3, 7^2, 42\})$	180
42	$\mathcal{O}(0; \{2^4, 3, 6, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{3^4, 6, 7^2, 42\})$	660
42	$\mathcal{O}(0; \{2, 3^2, 6^2, 7^2, 42\})$	300
42	$\mathcal{O}(0; \{2^2, 6^3, 7^2, 42\})$	180
42	$\mathcal{O}(0; \{2, 3^3, 7, 14^2, 42\})$	1116
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 14^2, 42\})$	372
42	$\mathcal{O}(0; \{6^3, 7, 14^2, 42\})$	1116
42	$\mathcal{O}(0; \{3, 6, 14^4, 42\})$	2220
42	$\mathcal{O}(0; \{6, 7^4, 21, 42\})$	13332
42	$\mathcal{O}(0; \{2^4, 3^2, 14, 21, 42\})$	180
42	$\mathcal{O}(0; \{3^5, 14, 21, 42\})$	1260
42	$\mathcal{O}(0; \{2^5, 6, 14, 21, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 6, 14, 21, 42\})$	660
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 14, 21, 42\})$	300
42	$\mathcal{O}(0; \{6^4, 14, 21, 42\})$	660
42	$\mathcal{O}(0; \{3, 7^2, 14, 21^2, 42\})$	39996
42	$\mathcal{O}(0; \{2^3, 7, 21^3, 42\})$	6660
42	$\mathcal{O}(0; \{3, 6, 7, 21^3, 42\})$	24420
42	$\mathcal{O}(0; \{2, 14^2, 21^3, 42\})$	39996
42	$\mathcal{O}(0; \{2^2, 3, 7^3, 42^2\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^3, 42^2\})$	6660
42	$\mathcal{O}(0; \{3, 7^2, 14^2, 42^2\})$	13332
42	$\mathcal{O}(0; \{2^3, 7, 14, 21, 42^2\})$	2220
42	$\mathcal{O}(0; \{3, 6, 7, 14, 21, 42^2\})$	11100
42	$\mathcal{O}(0; \{2, 14^3, 21, 42^2\})$	13332

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^2, 3^2, 21^2, 42^2\})$	4092
42	$\mathcal{O}(0; \{2^3, 6, 21^2, 42^2\})$	1860
42	$\mathcal{O}(0; \{3, 6^2, 21^2, 42^2\})$	7812
42	$\mathcal{O}(0; \{2^2, 3^2, 14, 42^3\})$	1860
42	$\mathcal{O}(0; \{2^3, 6, 14, 42^3\})$	1116
42	$\mathcal{O}(0; \{3, 6^2, 14, 42^3\})$	4092
42	$\mathcal{O}(0; \{2, 7, 21^2, 42^3\})$	66660
42	$\mathcal{O}(0; \{2, 7, 14, 42^4\})$	39996
42	$\mathcal{O}(0; \{3^2, 21, 42^4\})$	46620
42	$\mathcal{O}(0; \{2, 6, 21, 42^4\})$	24420
44	$\mathcal{O}(3; \emptyset)$	7142929920
44	$\mathcal{O}(2; \{2^4\})$	3513600
44	$\mathcal{O}(2; \{2, 4^2\})$	7495680
44	$\mathcal{O}(1; \{2^8\})$	1440
44	$\mathcal{O}(1; \{2^5, 4^2\})$	3840
44	$\mathcal{O}(1; \{2^2, 4^4\})$	15360
44	$\mathcal{O}(0; \{2^3, 4, 11^2, 22, 44\})$	1820
44	$\mathcal{O}(0; \{4^3, 11^2, 22, 44\})$	7280
44	$\mathcal{O}(0; \{2, 4, 11, 22^3, 44\})$	18180
44	$\mathcal{O}(0; \{2, 4, 11^2, 44^3\})$	72720
45	$\mathcal{O}(1; \{45^4\})$	17058600
45	$\mathcal{O}(0; \{5^4, 9^2, 15\})$	2448
45	$\mathcal{O}(0; \{3, 5^2, 9^2, 15^2\})$	2496
45	$\mathcal{O}(0; \{3^2, 9^2, 15^3\})$	2304
45	$\mathcal{O}(0; \{3, 5^2, 9^3, 45\})$	3888
45	$\mathcal{O}(0; \{3^2, 9^3, 15, 45\})$	5184
45	$\mathcal{O}(0; \{3, 5^3, 9, 45^2\})$	7344
45	$\mathcal{O}(0; \{3^2, 5, 9, 15, 45^2\})$	7488
45	$\mathcal{O}(0; \{3^3, 45^4\})$	67392
46	$\mathcal{O}(1; \{23^4\})$	16165182
46	$\mathcal{O}(0; \{2^4, 23^4\})$	10186
46	$\mathcal{O}(0; \{2^2, 23^3, 46^2\})$	224070
46	$\mathcal{O}(0; \{23^2, 46^4\})$	4929562
48	$\mathcal{O}(2; \{6^2\})$	9953280
48	$\mathcal{O}(1; \{2^2, 3^4\})$	10368
48	$\mathcal{O}(1; \{2^3, 3^2, 6\})$	3456
48	$\mathcal{O}(1; \{3^2, 4^2, 6\})$	6912
48	$\mathcal{O}(1; \{2^4, 6^2\})$	3456
48	$\mathcal{O}(1; \{3^3, 6^2\})$	17280
48	$\mathcal{O}(1; \{2, 4^2, 6^2\})$	6912
48	$\mathcal{O}(1; \{2, 3, 6^3\})$	10368
48	$\mathcal{O}(1; \{3^3, 4, 12\})$	20736
48	$\mathcal{O}(1; \{2, 3, 4, 6, 12\})$	6912

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(1; \{2, 3^2, 12^2\})$	20736
48	$\mathcal{O}(1; \{2^2, 6, 12^2\})$	6912
48	$\mathcal{O}(1; \{12^4\})$	82944
48	$\mathcal{O}(1; \{2, 3^2, 8, 24\})$	13824
48	$\mathcal{O}(1; \{2^2, 6, 8, 24\})$	13824
48	$\mathcal{O}(1; \{8, 12^2, 24\})$	55296
48	$\mathcal{O}(1; \{6, 16^2, 24\})$	147456
48	$\mathcal{O}(1; \{2^2, 4, 24^2\})$	27648
48	$\mathcal{O}(1; \{8^2, 24^2\})$	221184
48	$\mathcal{O}(1; \{6, 12, 24^2\})$	82944
48	$\mathcal{O}(1; \{6, 12, 16, 48\})$	73728
48	$\mathcal{O}(1; \{6, 8, 48^2\})$	147456
48	$\mathcal{O}(1; \{4, 24, 48^2\})$	294912
48	$\mathcal{O}(0; \{3^2, 4, 6, 8, 16^2\})$	128
48	$\mathcal{O}(0; \{2, 4, 6^2, 8, 16^2\})$	128
48	$\mathcal{O}(0; \{3^3, 8, 12, 16^2\})$	384
48	$\mathcal{O}(0; \{2, 3, 6, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{2^3, 3^2, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{3^2, 4^2, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2^4, 6, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{3^3, 6, 16^2, 24\})$	320
48	$\mathcal{O}(0; \{2, 4^2, 6, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2, 3, 6^2, 16^2, 24\})$	192
48	$\mathcal{O}(0; \{2, 3, 4, 12, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2^2, 12^2, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2^2, 8, 16^2, 24^2\})$	1024
48	$\mathcal{O}(0; \{16^4, 24^2\})$	16384
48	$\mathcal{O}(0; \{12, 16^2, 24^3\})$	6144
48	$\mathcal{O}(0; \{2^2, 3^3, 4, 16, 48\})$	96
48	$\mathcal{O}(0; \{2^3, 3, 4, 6, 16, 48\})$	32
48	$\mathcal{O}(0; \{3, 4^3, 6, 16, 48\})$	128
48	$\mathcal{O}(0; \{3^2, 4, 6^2, 16, 48\})$	160
48	$\mathcal{O}(0; \{2, 4, 6^3, 16, 48\})$	96
48	$\mathcal{O}(0; \{3^3, 8^2, 16, 48\})$	768
48	$\mathcal{O}(0; \{2, 3, 6, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^3, 3^2, 12, 16, 48\})$	96
48	$\mathcal{O}(0; \{3^2, 4^2, 12, 16, 48\})$	384
48	$\mathcal{O}(0; \{2^4, 6, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^3, 6, 12, 16, 48\})$	352
48	$\mathcal{O}(0; \{2, 4^2, 6, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3, 6^2, 12, 16, 48\})$	160
48	$\mathcal{O}(0; \{2, 3, 4, 12^2, 16, 48\})$	384
48	$\mathcal{O}(0; \{2^2, 12^3, 16, 48\})$	384

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2, 3, 4, 8, 16, 24, 48\})$	512
48	$\mathcal{O}(0; \{2^2, 8, 12, 16, 24, 48\})$	512
48	$\mathcal{O}(0; \{12, 16^3, 24, 48\})$	8192
48	$\mathcal{O}(0; \{2, 3^2, 16, 24^2, 48\})$	1280
48	$\mathcal{O}(0; \{2^2, 6, 16, 24^2, 48\})$	768
48	$\mathcal{O}(0; \{12^2, 16, 24^2, 48\})$	5120
48	$\mathcal{O}(0; \{8, 16, 24^3, 48\})$	12288
48	$\mathcal{O}(0; \{2^3, 3^2, 8, 48^2\})$	192
48	$\mathcal{O}(0; \{3^2, 4^2, 8, 48^2\})$	768
48	$\mathcal{O}(0; \{2^4, 6, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{3^3, 6, 8, 48^2\})$	704
48	$\mathcal{O}(0; \{2, 4^2, 6, 8, 48^2\})$	256
48	$\mathcal{O}(0; \{2, 3, 6^2, 8, 48^2\})$	320
48	$\mathcal{O}(0; \{2, 3, 4, 8, 12, 48^2\})$	768
48	$\mathcal{O}(0; \{2^2, 8, 12^2, 48^2\})$	768
48	$\mathcal{O}(0; \{2, 3^2, 16^2, 48^2\})$	3072
48	$\mathcal{O}(0; \{2^2, 6, 16^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{12^2, 16^2, 48^2\})$	12288
48	$\mathcal{O}(0; \{2^4, 4, 24, 48^2\})$	128
48	$\mathcal{O}(0; \{3^3, 4, 24, 48^2\})$	1408
48	$\mathcal{O}(0; \{2, 4^3, 24, 48^2\})$	512
48	$\mathcal{O}(0; \{2, 3, 4, 6, 24, 48^2\})$	640
48	$\mathcal{O}(0; \{2^2, 8^2, 24, 48^2\})$	1024
48	$\mathcal{O}(0; \{2, 3^2, 12, 24, 48^2\})$	1408
48	$\mathcal{O}(0; \{2^2, 6, 12, 24, 48^2\})$	640
48	$\mathcal{O}(0; \{12^3, 24, 48^2\})$	5632
48	$\mathcal{O}(0; \{8, 16^2, 24, 48^2\})$	16384
48	$\mathcal{O}(0; \{8, 12, 24^2, 48^2\})$	10240
48	$\mathcal{O}(0; \{6, 24^3, 48^2\})$	11264
48	$\mathcal{O}(0; \{8, 12, 16, 48^3\})$	24576
48	$\mathcal{O}(0; \{6, 16, 24, 48^3\})$	20480
48	$\mathcal{O}(0; \{2^2, 4, 48^4\})$	6144
48	$\mathcal{O}(0; \{8^2, 48^4\})$	49152
48	$\mathcal{O}(0; \{6, 12, 48^4\})$	22528
50	$\mathcal{O}(1; \{5^2, 25^2\})$	600000
50	$\mathcal{O}(0; \{2^4, 5^2, 25^2\})$	320
50	$\mathcal{O}(0; \{2^2, 5, 10^2, 25^2\})$	1280
50	$\mathcal{O}(0; \{10^4, 25^2\})$	5120
50	$\mathcal{O}(0; \{2^2, 5^2, 25, 50^2\})$	4800
50	$\mathcal{O}(0; \{5, 10^2, 25, 50^2\})$	19200
50	$\mathcal{O}(0; \{5^2, 50^4\})$	104000
51	$\mathcal{O}(0; \{3, 17^3, 51^2\})$	123360
52	$\mathcal{O}(1; \{2^3, 13, 26\})$	24336

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
52	$\mathcal{O}(1; \{4^2, 13, 26\})$	64896
52	$\mathcal{O}(1; \{2, 26^3\})$	267696
52	$\mathcal{O}(1; \{2, 13, 52^2\})$	713856
52	$\mathcal{O}(0; \{2^4, 4^2, 13, 26\})$	24
52	$\mathcal{O}(0; \{2, 4^4, 13, 26\})$	96
52	$\mathcal{O}(0; \{2^2, 4^2, 26^3\})$	264
52	$\mathcal{O}(0; \{2^5, 13, 52^2\})$	264
52	$\mathcal{O}(0; \{2^2, 4^2, 13, 52^2\})$	1056
52	$\mathcal{O}(0; \{2^3, 26^2, 52^2\})$	3192
52	$\mathcal{O}(0; \{4^2, 26^2, 52^2\})$	12768
52	$\mathcal{O}(0; \{2, 26, 52^4\})$	153120
54	$\mathcal{O}(1; \{3^2, 27^2\})$	157464
54	$\mathcal{O}(1; \{2, 6, 27^2\})$	104976
54	$\mathcal{O}(0; \{2^4, 3^2, 27^2\})$	72
54	$\mathcal{O}(0; \{2^5, 6, 27^2\})$	36
54	$\mathcal{O}(0; \{2, 3^3, 6, 27^2\})$	288
54	$\mathcal{O}(0; \{2^2, 3, 6^2, 27^2\})$	144
54	$\mathcal{O}(0; \{6^4, 27^2\})$	288
54	$\mathcal{O}(0; \{2^3, 9, 18, 27^2\})$	648
54	$\mathcal{O}(0; \{3, 6, 9, 18, 27^2\})$	2592
54	$\mathcal{O}(0; \{2, 18^3, 27^2\})$	3888
54	$\mathcal{O}(0; \{2, 9, 27^3, 54\})$	26244
54	$\mathcal{O}(0; \{2^2, 3^2, 27, 54^2\})$	648
54	$\mathcal{O}(0; \{2^3, 6, 27, 54^2\})$	324
54	$\mathcal{O}(0; \{3, 6^2, 27, 54^2\})$	1296
54	$\mathcal{O}(0; \{2, 9, 18, 27, 54^2\})$	5832
54	$\mathcal{O}(0; \{3^2, 54^4\})$	17496
54	$\mathcal{O}(0; \{2, 6, 54^4\})$	8748
55	$\mathcal{O}(1; \{5^4\})$	156000
55	$\mathcal{O}(0; \{5^3, 11^2, 55\})$	4680
56	$\mathcal{O}(1; \{2, 7^2, 14\})$	70560
56	$\mathcal{O}(1; \{2, 4, 14, 28\})$	28224
56	$\mathcal{O}(0; \{4, 7^2, 8^2, 14\})$	240
56	$\mathcal{O}(0; \{2^3, 8^2, 14, 28\})$	48
56	$\mathcal{O}(0; \{4^2, 8^2, 14, 28\})$	192
56	$\mathcal{O}(0; \{2, 8^2, 28^3\})$	960
56	$\mathcal{O}(0; \{2^3, 7, 8, 14, 56\})$	120
56	$\mathcal{O}(0; \{4^2, 7, 8, 14, 56\})$	480
56	$\mathcal{O}(0; \{2, 8, 14^3, 56\})$	744
56	$\mathcal{O}(0; \{2, 7, 8, 28^2, 56\})$	2976
56	$\mathcal{O}(0; \{2^3, 4, 14, 56^2\})$	240
56	$\mathcal{O}(0; \{4^3, 14, 56^2\})$	960
56	$\mathcal{O}(0; \{2, 8^2, 14, 56^2\})$	1920

Continued on next page

Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2, 7^2, 28, 56^2\})$	8880
56	$\mathcal{O}(0; \{2, 4, 28^2, 56^2\})$	5952
60	$\mathcal{O}(1; \{3^2, 5^2\})$	21600
60	$\mathcal{O}(1; \{2, 3, 5, 30\})$	21600
60	$\mathcal{O}(1; \{2^2, 30^2\})$	21600
60	$\mathcal{O}(1; \{30, 60^2\})$	172800
60	$\mathcal{O}(0; \{2, 3^2, 4^2, 5^2\})$	16
60	$\mathcal{O}(0; \{2^2, 3, 4, 5^2, 12\})$	16
60	$\mathcal{O}(0; \{4, 5^2, 6^2, 12\})$	16
60	$\mathcal{O}(0; \{3, 4, 5, 10^2, 12\})$	48
60	$\mathcal{O}(0; \{2^3, 5^2, 12^2\})$	16
60	$\mathcal{O}(0; \{4^2, 5^2, 12^2\})$	64
60	$\mathcal{O}(0; \{3, 5^2, 6, 12^2\})$	48
60	$\mathcal{O}(0; \{2, 5, 10^2, 12^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 10, 15^2\})$	48
60	$\mathcal{O}(0; \{2, 4, 10, 12, 15^2\})$	48
60	$\mathcal{O}(0; \{2^2, 3^2, 4, 10, 20\})$	16
60	$\mathcal{O}(0; \{3, 4, 6^2, 10, 20\})$	16
60	$\mathcal{O}(0; \{3, 5^3, 12, 20\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 10, 12, 20\})$	64
60	$\mathcal{O}(0; \{3^2, 6, 10, 12, 20\})$	48
60	$\mathcal{O}(0; \{2, 6^2, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{2, 4, 10, 12^2, 20\})$	64
60	$\mathcal{O}(0; \{3, 4, 5, 6, 15, 20\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 12, 15, 20\})$	144
60	$\mathcal{O}(0; \{2, 5, 6, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 10, 20^2\})$	208
60	$\mathcal{O}(0; \{2, 3, 15^2, 20^2\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 20^3\})$	192
60	$\mathcal{O}(0; \{2, 3, 12, 20^3\})$	192
60	$\mathcal{O}(0; \{2^2, 3, 4^2, 5, 30\})$	16
60	$\mathcal{O}(0; \{4^2, 5, 6^2, 30\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 10^2, 30\})$	48
60	$\mathcal{O}(0; \{2^3, 4, 5, 12, 30\})$	16
60	$\mathcal{O}(0; \{4^3, 5, 12, 30\})$	64
60	$\mathcal{O}(0; \{3, 4, 5, 6, 12, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 10^2, 12, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 12^2, 30\})$	80
60	$\mathcal{O}(0; \{2, 5, 6, 12^2, 30\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 20, 30\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 12, 20, 30\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 15, 20, 30\})$	144

Continued on next page

Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{2, 4, 6, 15, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 12, 15, 20, 30\})$	144
60	$\mathcal{O}(0; \{2, 3, 10, 20^2, 30\})$	208
60	$\mathcal{O}(0; \{2^3, 4^2, 30^2\})$	16
60	$\mathcal{O}(0; \{4^4, 30^2\})$	64
60	$\mathcal{O}(0; \{3, 4^2, 6, 30^2\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 12, 30^2\})$	80
60	$\mathcal{O}(0; \{2, 4, 6, 12, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 12^2, 30^2\})$	80
60	$\mathcal{O}(0; \{2, 4, 5, 20, 30^2\})$	208
60	$\mathcal{O}(0; \{3, 4, 5, 6, 10, 60\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 10, 12, 60\})$	144
60	$\mathcal{O}(0; \{2, 5, 6, 10, 12, 60\})$	48
60	$\mathcal{O}(0; \{3, 4, 5^2, 15, 60\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 12, 15, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 15^2, 60\})$	240
60	$\mathcal{O}(0; \{2, 4, 6, 15^2, 60\})$	144
60	$\mathcal{O}(0; \{2, 3, 12, 15^2, 60\})$	240
60	$\mathcal{O}(0; \{2^2, 3^3, 20, 60\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 6, 20, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 6, 20, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 6^2, 20, 60\})$	80
60	$\mathcal{O}(0; \{2, 6^3, 20, 60\})$	48
60	$\mathcal{O}(0; \{3^2, 4, 12, 20, 60\})$	192
60	$\mathcal{O}(0; \{2, 4, 6, 12, 20, 60\})$	64
60	$\mathcal{O}(0; \{2, 3, 12^2, 20, 60\})$	192
60	$\mathcal{O}(0; \{2, 3, 10, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 10, 30, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 6, 10, 30, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 10, 12, 30, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 5, 15, 30, 60\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 5, 60^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 5, 60^2\})$	192
60	$\mathcal{O}(0; \{3^2, 5, 6, 60^2\})$	240
60	$\mathcal{O}(0; \{2, 5, 6^2, 60^2\})$	144
60	$\mathcal{O}(0; \{2, 3, 10^2, 60^2\})$	208
60	$\mathcal{O}(0; \{2, 4, 5, 12, 60^2\})$	192
60	$\mathcal{O}(0; \{2^4, 30, 60^2\})$	48
60	$\mathcal{O}(0; \{3^3, 30, 60^2\})$	528
60	$\mathcal{O}(0; \{2, 4^2, 30, 60^2\})$	192
60	$\mathcal{O}(0; \{2, 3, 6, 30, 60^2\})$	240
60	$\mathcal{O}(0; \{2^2, 60^4\})$	2496
63	$\mathcal{O}(0; \{9, 21, 63^3\})$	60264

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
63	$\mathcal{O}(0; \{7, 63^4\})$	179820
64	$\mathcal{O}(1; \{2^2, 8^2\})$	12288
64	$\mathcal{O}(1; \{8, 16^2\})$	98304
64	$\mathcal{O}(0; \{8, 16, 32, 64^2\})$	16384
65	$\mathcal{O}(1; \{5, 13, 65\})$	202800
66	$\mathcal{O}(1; \{3^4\})$	19440
66	$\mathcal{O}(1; \{2, 3^2, 6\})$	8640
66	$\mathcal{O}(1; \{2^2, 6^2\})$	8640
66	$\mathcal{O}(0; \{2, 3^2, 11, 22, 33\})$	180
66	$\mathcal{O}(0; \{2^2, 6, 11, 22, 33\})$	180
66	$\mathcal{O}(0; \{6, 22^3, 33\})$	1820
66	$\mathcal{O}(0; \{6, 11, 33^2, 66\})$	5460
66	$\mathcal{O}(0; \{6, 11, 22, 66^2\})$	1820
68	$\mathcal{O}(0; \{4, 17^2, 34, 68\})$	7712
69	$\mathcal{O}(0; \{3, 23^2, 69^2\})$	20372
70	$\mathcal{O}(0; \{2^2, 7^2, 10^2\})$	24
70	$\mathcal{O}(0; \{7, 10^2, 14^2\})$	120
70	$\mathcal{O}(0; \{7^2, 10, 14, 35\})$	744
70	$\mathcal{O}(0; \{2^2, 5^2, 14, 70\})$	72
70	$\mathcal{O}(0; \{5, 10^2, 14, 70\})$	312
70	$\mathcal{O}(0; \{5, 7, 10, 35, 70\})$	1560
72	$\mathcal{O}(1; \{3, 9^2\})$	46656
72	$\mathcal{O}(1; \{2, 36^2\})$	46656
72	$\mathcal{O}(0; \{8^2, 9^2, 12\})$	96
72	$\mathcal{O}(0; \{6, 8, 9^2, 24\})$	96
72	$\mathcal{O}(0; \{4, 9^2, 24^2\})$	192
72	$\mathcal{O}(0; \{6, 8^2, 9, 36\})$	96
72	$\mathcal{O}(0; \{4, 8, 9, 24, 36\})$	192
72	$\mathcal{O}(0; \{3, 9, 24^2, 36\})$	384
72	$\mathcal{O}(0; \{4, 8^2, 36^2\})$	192
72	$\mathcal{O}(0; \{3, 8, 24, 36^2\})$	384
72	$\mathcal{O}(0; \{4, 8, 9, 18, 72\})$	144
72	$\mathcal{O}(0; \{3, 9, 18, 24, 72\})$	288
72	$\mathcal{O}(0; \{3, 8, 18, 36, 72\})$	288
72	$\mathcal{O}(0; \{4, 6, 9, 72^2\})$	288
72	$\mathcal{O}(0; \{3, 9, 12, 72^2\})$	576
72	$\mathcal{O}(0; \{2^3, 36, 72^2\})$	144
72	$\mathcal{O}(0; \{4^2, 36, 72^2\})$	576
72	$\mathcal{O}(0; \{3, 6, 36, 72^2\})$	576
72	$\mathcal{O}(0; \{2, 72^4\})$	10368
75	$\mathcal{O}(0; \{3, 5, 15, 25, 75\})$	640
78	$\mathcal{O}(0; \{2^2, 3^2, 26^2\})$	24
78	$\mathcal{O}(0; \{3, 6^2, 26^2\})$	24

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
78	$\mathcal{O}(0; \{2, 6, 39^3\})$	792
78	$\mathcal{O}(0; \{3^2, 26, 39, 78\})$	792
78	$\mathcal{O}(0; \{2, 6, 26, 39, 78\})$	264
80	$\mathcal{O}(1; \{2, 5, 10\})$	19200
80	$\mathcal{O}(0; \{2, 8, 10, 16, 80\})$	128
80	$\mathcal{O}(0; \{2, 5, 16, 40, 80\})$	384
80	$\mathcal{O}(0; \{2, 4, 40, 80^2\})$	768
84	$\mathcal{O}(0; \{3^2, 6, 28^2\})$	24
84	$\mathcal{O}(0; \{2, 6^2, 28^2\})$	24
84	$\mathcal{O}(0; \{3, 4^2, 21, 42\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 21, 42\})$	24
84	$\mathcal{O}(0; \{3, 4, 6, 7, 84\})$	24
84	$\mathcal{O}(0; \{3^2, 7, 12, 84\})$	72
84	$\mathcal{O}(0; \{2, 6, 7, 12, 84\})$	24
84	$\mathcal{O}(0; \{2, 3, 28, 42, 84\})$	120
84	$\mathcal{O}(0; \{2, 3, 21, 84^2\})$	360
88	$\mathcal{O}(2; \emptyset)$	56217600
88	$\mathcal{O}(1; \{2^4\})$	5760
88	$\mathcal{O}(1; \{2, 4^2\})$	11520
89	$\mathcal{O}(1; \{89^2\})$	697048
90	$\mathcal{O}(1; \{45^2\})$	145800
90	$\mathcal{O}(0; \{2^4, 45^2\})$	24
90	$\mathcal{O}(0; \{2, 3, 6, 45^2\})$	96
90	$\mathcal{O}(0; \{2^2, 45, 90^2\})$	216
90	$\mathcal{O}(0; \{90^4\})$	8424
92	$\mathcal{O}(1; \{23^2\})$	139656
92	$\mathcal{O}(0; \{2, 4^2, 23^2\})$	44
92	$\mathcal{O}(0; \{23, 46, 92^2\})$	20372
96	$\mathcal{O}(1; \{12^2\})$	27648
96	$\mathcal{O}(0; \{12, 32^2, 48\})$	512
96	$\mathcal{O}(0; \{12, 24, 32, 96\})$	256
96	$\mathcal{O}(0; \{12, 16, 96^2\})$	512
96	$\mathcal{O}(0; \{8, 48, 96^2\})$	1024
99	$\mathcal{O}(1; \{9^2\})$	58320
99	$\mathcal{O}(0; \{9, 11, 99^2\})$	1620
100	$\mathcal{O}(0; \{5, 50, 100^2\})$	2400
102	$\mathcal{O}(0; \{6, 17, 34, 51\})$	480
104	$\mathcal{O}(0; \{8^2, 26, 52\})$	96
104	$\mathcal{O}(0; \{4, 26, 104^2\})$	1056
105	$\mathcal{O}(0; \{7, 15^2, 21\})$	48
105	$\mathcal{O}(0; \{5, 21^2, 35\})$	240
105	$\mathcal{O}(0; \{5, 15, 21, 105\})$	144
108	$\mathcal{O}(0; \{4, 12, 54^2\})$	72

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
108	$\mathcal{O}(0; \{3, 54, 108^2\})$	648
110	$\mathcal{O}(1; \{5^2\})$	36000
110	$\mathcal{O}(0; \{5, 10, 11, 110\})$	120
120	$\mathcal{O}(0; \{3, 8, 15, 120\})$	32
120	$\mathcal{O}(0; \{3, 6, 40, 120\})$	32
120	$\mathcal{O}(0; \{2, 60, 120^2\})$	192
126	$\mathcal{O}(0; \{2, 14, 63^2\})$	180
130	$\mathcal{O}(0; \{2, 10, 26, 130\})$	48
132	$\mathcal{O}(1; \{3^2\})$	25920
138	$\mathcal{O}(0; \{2, 6, 23, 69\})$	44
140	$\mathcal{O}(0; \{2, 5, 28, 140\})$	48
176	$\mathcal{O}(1; \{2^2\})$	23040
178	$\mathcal{O}(0; \{2^2, 178^2\})$	88
179	$\mathcal{O}(0; \{179^3\})$	31506
180	$\mathcal{O}(0; \{90, 180^2\})$	432
195	$\mathcal{O}(0; \{15, 39, 195\})$	96
198	$\mathcal{O}(0; \{18, 22, 99\})$	60
267	$\mathcal{O}(0; \{3, 267^2\})$	176
356	$\mathcal{O}(0; \{2, 356^2\})$	176
358	$\mathcal{O}(0; \{2, 179, 358\})$	178

Table 10: 90-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(90; \emptyset)$	1
2	$\mathcal{O}(45; \{2^2\})$	1237940039285380274899124224
2	$\mathcal{O}(44; \{2^6\})$	309485009821345068724781056
2	$\mathcal{O}(43; \{2^{10}\})$	77371252455336267181195264
2	$\mathcal{O}(42; \{2^{14}\})$	19342813113834066795298816
2	$\mathcal{O}(41; \{2^{18}\})$	4835703278458516698824704
2	$\mathcal{O}(40; \{2^{22}\})$	1208925819614629174706176
2	$\mathcal{O}(39; \{2^{26}\})$	302231454903657293676544
2	$\mathcal{O}(38; \{2^{30}\})$	75557863725914323419136
2	$\mathcal{O}(37; \{2^{34}\})$	18889465931478580854784
2	$\mathcal{O}(36; \{2^{38}\})$	4722366482869645213696
2	$\mathcal{O}(35; \{2^{42}\})$	1180591620717411303424
2	$\mathcal{O}(34; \{2^{46}\})$	295147905179352825856
2	$\mathcal{O}(33; \{2^{50}\})$	73786976294838206464
2	$\mathcal{O}(32; \{2^{54}\})$	18446744073709551616
2	$\mathcal{O}(31; \{2^{58}\})$	4611686018427387904

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(30; \{2^{62}\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^{66}\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{70}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{74}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{78}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{82}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{86}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{90}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{94}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{98}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{102}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{106}\})$	274877906944
2	$\mathcal{O}(18; \{2^{110}\})$	68719476736
2	$\mathcal{O}(17; \{2^{114}\})$	17179869184
2	$\mathcal{O}(16; \{2^{118}\})$	4294967296
2	$\mathcal{O}(15; \{2^{122}\})$	1073741824
2	$\mathcal{O}(14; \{2^{126}\})$	268435456
2	$\mathcal{O}(13; \{2^{130}\})$	67108864
2	$\mathcal{O}(12; \{2^{134}\})$	16777216
2	$\mathcal{O}(11; \{2^{138}\})$	4194304
2	$\mathcal{O}(10; \{2^{142}\})$	1048576
2	$\mathcal{O}(9; \{2^{146}\})$	262144
2	$\mathcal{O}(8; \{2^{150}\})$	65536
2	$\mathcal{O}(7; \{2^{154}\})$	16384
2	$\mathcal{O}(6; \{2^{158}\})$	4096
2	$\mathcal{O}(5; \{2^{162}\})$	1024
2	$\mathcal{O}(4; \{2^{166}\})$	256
2	$\mathcal{O}(3; \{2^{170}\})$	64
2	$\mathcal{O}(2; \{2^{174}\})$	16
2	$\mathcal{O}(1; \{2^{178}\})$	4
2	$\mathcal{O}(0; \{2^{182}\})$	1
3	$\mathcal{O}(30; \{3^2\})$	84782316550432407028588866402
3	$\mathcal{O}(29; \{3^5\})$	47101286972462448349216036890
3	$\mathcal{O}(28; \{3^8\})$	45007896440353006200361990806
3	$\mathcal{O}(27; \{3^{11}\})$	39658120636073320708846095258
3	$\mathcal{O}(26; \{3^{14}\})$	35290429278956089558767900342
3	$\mathcal{O}(25; \{3^{17}\})$	31364963082257039603372178810
3	$\mathcal{O}(24; \{3^{20}\})$	27880445782886940882501116886
3	$\mathcal{O}(23; \{3^{23}\})$	24782565296048562869438861658
3	$\mathcal{O}(22; \{3^{26}\})$	22028952838446357874501940982
3	$\mathcal{O}(21; \{3^{29}\})$	19581290755438383321594236730
3	$\mathcal{O}(20; \{3^{32}\})$	17405591855557889040203116566
3	$\mathcal{O}(19; \{3^{35}\})$	15471637196835235507475928858

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(18; \{3^{38}\})$	13752566398087443818427264822
3	$\mathcal{O}(17; \{3^{41}\})$	12224503464866553637292902650
3	$\mathcal{O}(16; \{3^{44}\})$	10866225302114721354282357846
3	$\mathcal{O}(15; \{3^{47}\})$	9658866935211850301458416858
3	$\mathcal{O}(14; \{3^{50}\})$	8585659497966226417606655862
3	$\mathcal{O}(13; \{3^{53}\})$	7631697331525519342233168570
3	$\mathcal{O}(12; \{3^{56}\})$	6783730961356018887673368726
3	$\mathcal{O}(11; \{3^{59}\})$	6029983076760905489645525658
3	$\mathcal{O}(10; \{3^{62}\})$	5359984957120804900605618102
3	$\mathcal{O}(9; \{3^{65}\})$	4764431072996271020436026490
3	$\mathcal{O}(8; \{3^{68}\})$	4235049842663352018423637206
3	$\mathcal{O}(7; \{3^{71}\})$	3764488749034090683014535258
3	$\mathcal{O}(6; \{3^{74}\})$	3346212221363636162682775542
3	$\mathcal{O}(5; \{3^{77}\})$	2974410863434343255717668410
3	$\mathcal{O}(4; \{3^{80}\})$	2643920767497194005082411286
3	$\mathcal{O}(3; \{3^{83}\})$	2350151793330839115628805658
3	$\mathcal{O}(2; \{3^{86}\})$	2089023816294079213892272182
3	$\mathcal{O}(1; \{3^{89}\})$	1856910058928070412348686330
3	$\mathcal{O}(0; \{3^{92}\})$	1650586719047173699865498966
4	$\mathcal{O}(22; \{2^2, 4^2\})$	618970019642690137449562112
4	$\mathcal{O}(21; \{2^6, 4^2\})$	38685626227668133590597632
4	$\mathcal{O}(21; \{2^3, 4^4\})$	154742504910672534362390528
4	$\mathcal{O}(21; \{4^6\})$	618970019642690137449562112
4	$\mathcal{O}(20; \{2^{10}, 4^2\})$	2417851639229258349412352
4	$\mathcal{O}(20; \{2^7, 4^4\})$	9671406556917033397649408
4	$\mathcal{O}(20; \{2^4, 4^6\})$	38685626227668133590597632
4	$\mathcal{O}(20; \{2, 4^8\})$	154742504910672534362390528
4	$\mathcal{O}(19; \{2^{14}, 4^2\})$	151115727451828646838272
4	$\mathcal{O}(19; \{2^{11}, 4^4\})$	604462909807314587353088
4	$\mathcal{O}(19; \{2^8, 4^6\})$	2417851639229258349412352
4	$\mathcal{O}(19; \{2^5, 4^8\})$	9671406556917033397649408
4	$\mathcal{O}(19; \{2^2, 4^{10}\})$	38685626227668133590597632
4	$\mathcal{O}(18; \{2^{18}, 4^2\})$	9444732965739290427392
4	$\mathcal{O}(18; \{2^{15}, 4^4\})$	37778931862957161709568
4	$\mathcal{O}(18; \{2^{12}, 4^6\})$	151115727451828646838272
4	$\mathcal{O}(18; \{2^9, 4^8\})$	604462909807314587353088
4	$\mathcal{O}(18; \{2^6, 4^{10}\})$	2417851639229258349412352
4	$\mathcal{O}(18; \{2^3, 4^{12}\})$	9671406556917033397649408
4	$\mathcal{O}(18; \{4^{14}\})$	38685626227668133590597632
4	$\mathcal{O}(17; \{2^{22}, 4^2\})$	590295810358705651712
4	$\mathcal{O}(17; \{2^{19}, 4^4\})$	2361183241434822606848
4	$\mathcal{O}(17; \{2^{16}, 4^6\})$	9444732965739290427392
4	$\mathcal{O}(17; \{2^{13}, 4^8\})$	37778931862957161709568

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(17; \{2^{10}, 4^{10}\})$	151115727451828646838272
4	$\mathcal{O}(17; \{2^7, 4^{12}\})$	604462909807314587353088
4	$\mathcal{O}(17; \{2^4, 4^{14}\})$	2417851639229258349412352
4	$\mathcal{O}(17; \{2, 4^{16}\})$	9671406556917033397649408
4	$\mathcal{O}(16; \{2^{26}, 4^2\})$	36893488147419103232
4	$\mathcal{O}(16; \{2^{23}, 4^4\})$	147573952589676412928
4	$\mathcal{O}(16; \{2^{20}, 4^6\})$	590295810358705651712
4	$\mathcal{O}(16; \{2^{17}, 4^8\})$	2361183241434822606848
4	$\mathcal{O}(16; \{2^{14}, 4^{10}\})$	9444732965739290427392
4	$\mathcal{O}(16; \{2^{11}, 4^{12}\})$	37778931862957161709568
4	$\mathcal{O}(16; \{2^8, 4^{14}\})$	151115727451828646838272
4	$\mathcal{O}(16; \{2^5, 4^{16}\})$	604462909807314587353088
4	$\mathcal{O}(16; \{2^2, 4^{18}\})$	2417851639229258349412352
4	$\mathcal{O}(15; \{2^{30}, 4^2\})$	2305843009213693952
4	$\mathcal{O}(15; \{2^{27}, 4^4\})$	9223372036854775808
4	$\mathcal{O}(15; \{2^{24}, 4^6\})$	36893488147419103232
4	$\mathcal{O}(15; \{2^{21}, 4^8\})$	147573952589676412928
4	$\mathcal{O}(15; \{2^{18}, 4^{10}\})$	590295810358705651712
4	$\mathcal{O}(15; \{2^{15}, 4^{12}\})$	2361183241434822606848
4	$\mathcal{O}(15; \{2^{12}, 4^{14}\})$	9444732965739290427392
4	$\mathcal{O}(15; \{2^9, 4^{16}\})$	37778931862957161709568
4	$\mathcal{O}(15; \{2^6, 4^{18}\})$	151115727451828646838272
4	$\mathcal{O}(15; \{2^3, 4^{20}\})$	604462909807314587353088
4	$\mathcal{O}(15; \{4^{22}\})$	2417851639229258349412352
4	$\mathcal{O}(14; \{2^{34}, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2^{31}, 4^4\})$	576460752303423488
4	$\mathcal{O}(14; \{2^{28}, 4^6\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^{25}, 4^8\})$	9223372036854775808
4	$\mathcal{O}(14; \{2^{22}, 4^{10}\})$	36893488147419103232
4	$\mathcal{O}(14; \{2^{19}, 4^{12}\})$	147573952589676412928
4	$\mathcal{O}(14; \{2^{16}, 4^{14}\})$	590295810358705651712
4	$\mathcal{O}(14; \{2^{13}, 4^{16}\})$	2361183241434822606848
4	$\mathcal{O}(14; \{2^{10}, 4^{18}\})$	9444732965739290427392
4	$\mathcal{O}(14; \{2^7, 4^{20}\})$	37778931862957161709568
4	$\mathcal{O}(14; \{2^4, 4^{22}\})$	151115727451828646838272
4	$\mathcal{O}(14; \{2, 4^{24}\})$	604462909807314587353088
4	$\mathcal{O}(13; \{2^{38}, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^{35}, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^{32}, 4^6\})$	144115188075855872
4	$\mathcal{O}(13; \{2^{29}, 4^8\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{26}, 4^{10}\})$	2305843009213693952
4	$\mathcal{O}(13; \{2^{23}, 4^{12}\})$	9223372036854775808
4	$\mathcal{O}(13; \{2^{20}, 4^{14}\})$	36893488147419103232

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(13; \{2^{17}, 4^{16}\})$	147573952589676412928
4	$\mathcal{O}(13; \{2^{14}, 4^{18}\})$	590295810358705651712
4	$\mathcal{O}(13; \{2^{11}, 4^{20}\})$	2361183241434822606848
4	$\mathcal{O}(13; \{2^8, 4^{22}\})$	9444732965739290427392
4	$\mathcal{O}(13; \{2^5, 4^{24}\})$	37778931862957161709568
4	$\mathcal{O}(13; \{2^2, 4^{26}\})$	151115727451828646838272
4	$\mathcal{O}(12; \{2^{42}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^{39}, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^{36}, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^{33}, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{30}, 4^{10}\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{27}, 4^{12}\})$	576460752303423488
4	$\mathcal{O}(12; \{2^{24}, 4^{14}\})$	2305843009213693952
4	$\mathcal{O}(12; \{2^{21}, 4^{16}\})$	9223372036854775808
4	$\mathcal{O}(12; \{2^{18}, 4^{18}\})$	36893488147419103232
4	$\mathcal{O}(12; \{2^{15}, 4^{20}\})$	147573952589676412928
4	$\mathcal{O}(12; \{2^{12}, 4^{22}\})$	590295810358705651712
4	$\mathcal{O}(12; \{2^9, 4^{24}\})$	2361183241434822606848
4	$\mathcal{O}(12; \{2^6, 4^{26}\})$	9444732965739290427392
4	$\mathcal{O}(12; \{2^3, 4^{28}\})$	37778931862957161709568
4	$\mathcal{O}(12; \{4^{30}\})$	151115727451828646838272
4	$\mathcal{O}(11; \{2^{46}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{43}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{40}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^{37}, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{34}, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{31}, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{28}, 4^{14}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{25}, 4^{16}\})$	576460752303423488
4	$\mathcal{O}(11; \{2^{22}, 4^{18}\})$	2305843009213693952
4	$\mathcal{O}(11; \{2^{19}, 4^{20}\})$	9223372036854775808
4	$\mathcal{O}(11; \{2^{16}, 4^{22}\})$	36893488147419103232
4	$\mathcal{O}(11; \{2^{13}, 4^{24}\})$	147573952589676412928
4	$\mathcal{O}(11; \{2^{10}, 4^{26}\})$	590295810358705651712
4	$\mathcal{O}(11; \{2^7, 4^{28}\})$	2361183241434822606848
4	$\mathcal{O}(11; \{2^4, 4^{30}\})$	9444732965739290427392
4	$\mathcal{O}(11; \{2, 4^{32}\})$	37778931862957161709568
4	$\mathcal{O}(10; \{2^{50}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{47}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{44}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{41}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^{38}, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^{35}, 4^{12}\})$	2251799813685248

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{32}, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{29}, 4^{16}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{26}, 4^{18}\})$	144115188075855872
4	$\mathcal{O}(10; \{2^{23}, 4^{20}\})$	576460752303423488
4	$\mathcal{O}(10; \{2^{20}, 4^{22}\})$	2305843009213693952
4	$\mathcal{O}(10; \{2^{17}, 4^{24}\})$	9223372036854775808
4	$\mathcal{O}(10; \{2^{14}, 4^{26}\})$	36893488147419103232
4	$\mathcal{O}(10; \{2^{11}, 4^{28}\})$	147573952589676412928
4	$\mathcal{O}(10; \{2^8, 4^{30}\})$	590295810358705651712
4	$\mathcal{O}(10; \{2^5, 4^{32}\})$	2361183241434822606848
4	$\mathcal{O}(10; \{2^2, 4^{34}\})$	9444732965739290427392
4	$\mathcal{O}(9; \{2^{54}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{51}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{48}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{45}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{42}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^{39}, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^{36}, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{33}, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{30}, 4^{18}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{27}, 4^{20}\})$	36028797018963968
4	$\mathcal{O}(9; \{2^{24}, 4^{22}\})$	144115188075855872
4	$\mathcal{O}(9; \{2^{21}, 4^{24}\})$	576460752303423488
4	$\mathcal{O}(9; \{2^{18}, 4^{26}\})$	2305843009213693952
4	$\mathcal{O}(9; \{2^{15}, 4^{28}\})$	9223372036854775808
4	$\mathcal{O}(9; \{2^{12}, 4^{30}\})$	36893488147419103232
4	$\mathcal{O}(9; \{2^9, 4^{32}\})$	147573952589676412928
4	$\mathcal{O}(9; \{2^6, 4^{34}\})$	590295810358705651712
4	$\mathcal{O}(9; \{2^3, 4^{36}\})$	2361183241434822606848
4	$\mathcal{O}(9; \{4^{38}\})$	9444732965739290427392
4	$\mathcal{O}(8; \{2^{58}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{55}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{52}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{49}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{46}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{43}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{40}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{37}, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{34}, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{31}, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{28}, 4^{22}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{25}, 4^{24}\})$	36028797018963968
4	$\mathcal{O}(8; \{2^{22}, 4^{26}\})$	144115188075855872

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{19}, 4^{28}\})$	576460752303423488
4	$\mathcal{O}(8; \{2^{16}, 4^{30}\})$	2305843009213693952
4	$\mathcal{O}(8; \{2^{13}, 4^{32}\})$	9223372036854775808
4	$\mathcal{O}(8; \{2^{10}, 4^{34}\})$	36893488147419103232
4	$\mathcal{O}(8; \{2^7, 4^{36}\})$	147573952589676412928
4	$\mathcal{O}(8; \{2^4, 4^{38}\})$	590295810358705651712
4	$\mathcal{O}(8; \{2, 4^{40}\})$	2361183241434822606848
4	$\mathcal{O}(7; \{2^{62}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{59}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{56}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{53}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{50}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{47}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{44}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{41}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{38}, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{35}, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{32}, 4^{22}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{29}, 4^{24}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{26}, 4^{26}\})$	9007199254740992
4	$\mathcal{O}(7; \{2^{23}, 4^{28}\})$	36028797018963968
4	$\mathcal{O}(7; \{2^{20}, 4^{30}\})$	144115188075855872
4	$\mathcal{O}(7; \{2^{17}, 4^{32}\})$	576460752303423488
4	$\mathcal{O}(7; \{2^{14}, 4^{34}\})$	2305843009213693952
4	$\mathcal{O}(7; \{2^{11}, 4^{36}\})$	9223372036854775808
4	$\mathcal{O}(7; \{2^8, 4^{38}\})$	36893488147419103232
4	$\mathcal{O}(7; \{2^5, 4^{40}\})$	147573952589676412928
4	$\mathcal{O}(7; \{2^2, 4^{42}\})$	590295810358705651712
4	$\mathcal{O}(6; \{2^{66}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{63}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{60}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{57}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{54}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{51}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{48}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{45}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{42}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{39}, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{36}, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{33}, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{30}, 4^{26}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{27}, 4^{28}\})$	2251799813685248
4	$\mathcal{O}(6; \{2^{24}, 4^{30}\})$	9007199254740992

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{21}, 4^{32}\})$	36028797018963968
4	$\mathcal{O}(6; \{2^{18}, 4^{34}\})$	144115188075855872
4	$\mathcal{O}(6; \{2^{15}, 4^{36}\})$	576460752303423488
4	$\mathcal{O}(6; \{2^{12}, 4^{38}\})$	2305843009213693952
4	$\mathcal{O}(6; \{2^9, 4^{40}\})$	9223372036854775808
4	$\mathcal{O}(6; \{2^6, 4^{42}\})$	36893488147419103232
4	$\mathcal{O}(6; \{2^3, 4^{44}\})$	147573952589676412928
4	$\mathcal{O}(6; \{4^{46}\})$	590295810358705651712
4	$\mathcal{O}(5; \{2^{70}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{67}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{64}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{61}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{58}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{55}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{52}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{49}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{46}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{43}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{40}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{37}, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{34}, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{31}, 4^{28}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{28}, 4^{30}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{25}, 4^{32}\})$	2251799813685248
4	$\mathcal{O}(5; \{2^{22}, 4^{34}\})$	9007199254740992
4	$\mathcal{O}(5; \{2^{19}, 4^{36}\})$	36028797018963968
4	$\mathcal{O}(5; \{2^{16}, 4^{38}\})$	144115188075855872
4	$\mathcal{O}(5; \{2^{13}, 4^{40}\})$	576460752303423488
4	$\mathcal{O}(5; \{2^{10}, 4^{42}\})$	2305843009213693952
4	$\mathcal{O}(5; \{2^7, 4^{44}\})$	9223372036854775808
4	$\mathcal{O}(5; \{2^4, 4^{46}\})$	36893488147419103232
4	$\mathcal{O}(5; \{2, 4^{48}\})$	147573952589676412928
4	$\mathcal{O}(4; \{2^{74}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{71}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{68}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{65}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{62}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{59}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{56}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{53}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{50}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{47}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{44}, 4^{22}\})$	137438953472

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{41}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^{38}, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{35}, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{32}, 4^{30}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{29}, 4^{32}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{26}, 4^{34}\})$	562949953421312
4	$\mathcal{O}(4; \{2^{23}, 4^{36}\})$	2251799813685248
4	$\mathcal{O}(4; \{2^{20}, 4^{38}\})$	9007199254740992
4	$\mathcal{O}(4; \{2^{17}, 4^{40}\})$	36028797018963968
4	$\mathcal{O}(4; \{2^{14}, 4^{42}\})$	144115188075855872
4	$\mathcal{O}(4; \{2^{11}, 4^{44}\})$	576460752303423488
4	$\mathcal{O}(4; \{2^8, 4^{46}\})$	2305843009213693952
4	$\mathcal{O}(4; \{2^5, 4^{48}\})$	9223372036854775808
4	$\mathcal{O}(4; \{2^2, 4^{50}\})$	36893488147419103232
4	$\mathcal{O}(3; \{2^{78}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{75}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{72}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{69}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{66}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{63}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{60}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{57}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{54}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{51}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{48}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{45}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{42}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^{39}, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^{36}, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{33}, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{30}, 4^{34}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{27}, 4^{36}\})$	140737488355328
4	$\mathcal{O}(3; \{2^{24}, 4^{38}\})$	562949953421312
4	$\mathcal{O}(3; \{2^{21}, 4^{40}\})$	2251799813685248
4	$\mathcal{O}(3; \{2^{18}, 4^{42}\})$	9007199254740992
4	$\mathcal{O}(3; \{2^{15}, 4^{44}\})$	36028797018963968
4	$\mathcal{O}(3; \{2^{12}, 4^{46}\})$	144115188075855872
4	$\mathcal{O}(3; \{2^9, 4^{48}\})$	576460752303423488
4	$\mathcal{O}(3; \{2^6, 4^{50}\})$	2305843009213693952
4	$\mathcal{O}(3; \{2^3, 4^{52}\})$	9223372036854775808
4	$\mathcal{O}(3; \{4^{54}\})$	36893488147419103232
4	$\mathcal{O}(2; \{2^{82}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{79}, 4^4\})$	2048

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{76}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{73}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{70}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{67}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{64}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{61}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{58}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{55}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{52}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{49}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{46}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{43}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{40}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^{37}, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^{34}, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{31}, 4^{36}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{28}, 4^{38}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{25}, 4^{40}\})$	140737488355328
4	$\mathcal{O}(2; \{2^{22}, 4^{42}\})$	562949953421312
4	$\mathcal{O}(2; \{2^{19}, 4^{44}\})$	2251799813685248
4	$\mathcal{O}(2; \{2^{16}, 4^{46}\})$	9007199254740992
4	$\mathcal{O}(2; \{2^{13}, 4^{48}\})$	36028797018963968
4	$\mathcal{O}(2; \{2^{10}, 4^{50}\})$	144115188075855872
4	$\mathcal{O}(2; \{2^7, 4^{52}\})$	576460752303423488
4	$\mathcal{O}(2; \{2^4, 4^{54}\})$	2305843009213693952
4	$\mathcal{O}(2; \{2, 4^{56}\})$	9223372036854775808
4	$\mathcal{O}(1; \{2^{86}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{83}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{80}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{77}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{74}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{71}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{68}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{65}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{62}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{59}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{56}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{53}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{50}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{47}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{44}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{41}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^{38}, 4^{34}\})$	137438953472

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{35}, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^{32}, 4^{38}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{29}, 4^{40}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{26}, 4^{42}\})$	35184372088832
4	$\mathcal{O}(1; \{2^{23}, 4^{44}\})$	140737488355328
4	$\mathcal{O}(1; \{2^{20}, 4^{46}\})$	562949953421312
4	$\mathcal{O}(1; \{2^{17}, 4^{48}\})$	2251799813685248
4	$\mathcal{O}(1; \{2^{14}, 4^{50}\})$	9007199254740992
4	$\mathcal{O}(1; \{2^{11}, 4^{52}\})$	36028797018963968
4	$\mathcal{O}(1; \{2^8, 4^{54}\})$	144115188075855872
4	$\mathcal{O}(1; \{2^5, 4^{56}\})$	576460752303423488
4	$\mathcal{O}(1; \{2^2, 4^{58}\})$	2305843009213693952
4	$\mathcal{O}(0; \{2^{90}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{87}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{84}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{81}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{78}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{75}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{72}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{69}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{66}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{63}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{60}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{57}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{54}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{51}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{48}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{45}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{42}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^{39}, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^{36}, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^{33}, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{2^{30}, 4^{42}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{27}, 4^{44}\})$	8796093022208
4	$\mathcal{O}(0; \{2^{24}, 4^{46}\})$	35184372088832
4	$\mathcal{O}(0; \{2^{21}, 4^{48}\})$	140737488355328
4	$\mathcal{O}(0; \{2^{18}, 4^{50}\})$	562949953421312
4	$\mathcal{O}(0; \{2^{15}, 4^{52}\})$	2251799813685248
4	$\mathcal{O}(0; \{2^{12}, 4^{54}\})$	9007199254740992
4	$\mathcal{O}(0; \{2^9, 4^{56}\})$	36028797018963968
4	$\mathcal{O}(0; \{2^6, 4^{58}\})$	144115188075855872
4	$\mathcal{O}(0; \{2^3, 4^{60}\})$	576460752303423488
4	$\mathcal{O}(0; \{4^{62}\})$	2305843009213693952

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(18; \{5^2\})$	58207660913467407226562500
5	$\mathcal{O}(16; \{5^7\})$	76275318861007690429687500
5	$\mathcal{O}(14; \{5^{12}\})$	125000029802322387695312500
5	$\mathcal{O}(12; \{5^{17}\})$	204799999952316284179687500
5	$\mathcal{O}(10; \{5^{22}\})$	335544320000076293945312500
5	$\mathcal{O}(8; \{5^{27}\})$	549755813887999877929687500
5	$\mathcal{O}(6; \{5^{32}\})$	900719925474099200195312500
5	$\mathcal{O}(4; \{5^{37}\})$	1475739525896764129279687500
5	$\mathcal{O}(2; \{5^{42}\})$	2417851639229258349412352500
5	$\mathcal{O}(0; \{5^{47}\})$	3961408125713216879677197516
6	$\mathcal{O}(15; \{6^2\})$	442147839441466715799552
6	$\mathcal{O}(14; \{2^2, 3^4\})$	36845653286788892983296
6	$\mathcal{O}(14; \{2^3, 3^2, 6\})$	12281884428929630994432
6	$\mathcal{O}(14; \{2^4, 6^2\})$	12281884428929630994432
6	$\mathcal{O}(14; \{3^3, 6^2\})$	61409422144648154972160
6	$\mathcal{O}(14; \{2, 3, 6^3\})$	36845653286788892983296
6	$\mathcal{O}(13; \{2^6, 3^4\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2^2, 3^7\})$	7164432583542284746752
6	$\mathcal{O}(13; \{2^7, 3^2, 6\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^3, 3^5, 6\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^8, 6^2\})$	341163456359156416512
6	$\mathcal{O}(13; \{2^4, 3^3, 6^2\})$	1705817281795782082560
6	$\mathcal{O}(13; \{3^6, 6^2\})$	14670028623443725910016
6	$\mathcal{O}(13; \{2^5, 3, 6^3\})$	1023490369077469249536
6	$\mathcal{O}(13; \{2, 3^4, 6^3\})$	7164432583542284746752
6	$\mathcal{O}(13; \{2^2, 3^2, 6^4\})$	3752798019950720581632
6	$\mathcal{O}(13; \{2^3, 6^5\})$	1705817281795782082560
6	$\mathcal{O}(13; \{3, 6^6\})$	7164432583542284746752
6	$\mathcal{O}(12; \{2^{10}, 3^4\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^6, 3^7\})$	199012016209507909632
6	$\mathcal{O}(12; \{2^2, 3^{10}\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2^{11}, 3^2, 6\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^7, 3^5, 6\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^3, 3^8, 6\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^{12}, 6^2\})$	9476762676643233792
6	$\mathcal{O}(12; \{2^8, 3^3, 6^2\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^4, 3^6, 6^2\})$	407500795095659053056
6	$\mathcal{O}(12; \{3^9, 6^2\})$	3231576072735342723072
6	$\mathcal{O}(12; \{2^9, 3, 6^3\})$	28430288029929701376
6	$\mathcal{O}(12; \{2^5, 3^4, 6^3\})$	199012016209507909632
6	$\mathcal{O}(12; \{2, 3^7, 6^3\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2^6, 3^2, 6^4\})$	104244389443075571712
6	$\mathcal{O}(12; \{2^2, 3^5, 6^4\})$	805524827514674872320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(12; \{2^7, 6^5\})$	47383813383216168960
6	$\mathcal{O}(12; \{2^3, 3^3, 6^5\})$	407500795095659053056
6	$\mathcal{O}(12; \{2^4, 3, 6^6\})$	199012016209507909632
6	$\mathcal{O}(12; \{3^4, 6^6\})$	1620526417705992978432
6	$\mathcal{O}(12; \{2, 3^2, 6^7\})$	805524827514674872320
6	$\mathcal{O}(12; \{2^2, 6^8\})$	407500795095659053056
6	$\mathcal{O}(11; \{2^{14}, 3^4\})$	789730223053602816
6	$\mathcal{O}(11; \{2^{10}, 3^7\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^6, 3^{10}\})$	45014622714055360512
6	$\mathcal{O}(11; \{2^2, 3^{13}\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^{15}, 3^2, 6\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{11}, 3^5, 6\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^7, 3^8, 6\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^3, 3^{11}, 6\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{16}, 6^2\})$	263243407684534272
6	$\mathcal{O}(11; \{2^{12}, 3^3, 6^2\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^8, 3^6, 6^2\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^4, 3^9, 6^2\})$	89766002020426186752
6	$\mathcal{O}(11; \{3^{12}, 6^2\})$	718917746386463096832
6	$\mathcal{O}(11; \{2^{13}, 3, 6^3\})$	789730223053602816
6	$\mathcal{O}(11; \{2^9, 3^4, 6^3\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^5, 3^7, 6^3\})$	45014622714055360512
6	$\mathcal{O}(11; \{2, 3^{10}, 6^3\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^{10}, 3^2, 6^4\})$	2895677484529876992
6	$\mathcal{O}(11; \{2^6, 3^5, 6^4\})$	22375689653185413120
6	$\mathcal{O}(11; \{2^2, 3^8, 6^4\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^{11}, 6^5\})$	1316217038422671360
6	$\mathcal{O}(11; \{2^7, 3^3, 6^5\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^3, 3^6, 6^5\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^8, 3, 6^6\})$	5528111561375219712
6	$\mathcal{O}(11; \{2^4, 3^4, 6^6\})$	45014622714055360512
6	$\mathcal{O}(11; \{3^7, 6^6\})$	359327251489389281280
6	$\mathcal{O}(11; \{2^5, 3^2, 6^7\})$	22375689653185413120
6	$\mathcal{O}(11; \{2, 3^5, 6^7\})$	179795247448536907776
6	$\mathcal{O}(11; \{2^6, 6^8\})$	11319466530434973696
6	$\mathcal{O}(11; \{2^2, 3^3, 6^8\})$	89766002020426186752
6	$\mathcal{O}(11; \{2^3, 3, 6^9\})$	45014622714055360512
6	$\mathcal{O}(11; \{3^2, 6^{10}\})$	179795247448536907776
6	$\mathcal{O}(11; \{2, 6^{11}\})$	89766002020426186752
6	$\mathcal{O}(10; \{2^{18}, 3^4\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{14}, 3^7\})$	153558654482644992
6	$\mathcal{O}(10; \{2^{10}, 3^{10}\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^6, 3^{13}\})$	9981312541371924480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(10; \{2^2, 3^{16}\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^{19}, 3^2, 6\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{15}, 3^5, 6\})$	80435485681385472
6	$\mathcal{O}(10; \{2^{11}, 3^8, 6\})$	621546934810705920
6	$\mathcal{O}(10; \{2^7, 3^{11}, 6\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^3, 3^{14}, 6\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{20}, 6^2\})$	7312316880125952
6	$\mathcal{O}(10; \{2^{16}, 3^3, 6^2\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{12}, 3^6, 6^2\})$	314429625845415936
6	$\mathcal{O}(10; \{2^8, 3^9, 6^2\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^4, 3^{12}, 6^2\})$	19969937399623974912
6	$\mathcal{O}(10; \{3^{15}, 6^2\})$	159737562246351421440
6	$\mathcal{O}(10; \{2^{17}, 3, 6^3\})$	21936950640377856
6	$\mathcal{O}(10; \{2^{13}, 3^4, 6^3\})$	153558654482644992
6	$\mathcal{O}(10; \{2^9, 3^7, 6^3\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^5, 3^{10}, 6^3\})$	9981312541371924480
6	$\mathcal{O}(10; \{2, 3^{13}, 6^3\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^{14}, 3^2, 6^4\})$	80435485681385472
6	$\mathcal{O}(10; \{2^{10}, 3^5, 6^4\})$	621546934810705920
6	$\mathcal{O}(10; \{2^6, 3^8, 6^4\})$	4994312429126025216
6	$\mathcal{O}(10; \{2^2, 3^{11}, 6^4\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{15}, 6^5\})$	36561584400629760
6	$\mathcal{O}(10; \{2^{11}, 3^3, 6^5\})$	314429625845415936
6	$\mathcal{O}(10; \{2^7, 3^6, 6^5\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^3, 3^9, 6^5\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^{12}, 3, 6^6\})$	153558654482644992
6	$\mathcal{O}(10; \{2^8, 3^4, 6^6\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^4, 3^7, 6^6\})$	9981312541371924480
6	$\mathcal{O}(10; \{3^{10}, 6^6\})$	79872437281615773696
6	$\mathcal{O}(10; \{2^9, 3^2, 6^7\})$	621546934810705920
6	$\mathcal{O}(10; \{2^5, 3^5, 6^7\})$	4994312429126025216
6	$\mathcal{O}(10; \{2, 3^8, 6^7\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^{10}, 6^8\})$	314429625845415936
6	$\mathcal{O}(10; \{2^6, 3^3, 6^8\})$	2493500056122949632
6	$\mathcal{O}(10; \{2^2, 3^6, 6^8\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^7, 3, 6^9\})$	1250406186501537792
6	$\mathcal{O}(10; \{2^3, 3^4, 6^9\})$	9981312541371924480
6	$\mathcal{O}(10; \{2^4, 3^2, 6^{10}\})$	4994312429126025216
6	$\mathcal{O}(10; \{3^5, 6^{10}\})$	39932562482367823872
6	$\mathcal{O}(10; \{2^5, 6^{11}\})$	2493500056122949632
6	$\mathcal{O}(10; \{2, 3^3, 6^{11}\})$	19969937399623974912
6	$\mathcal{O}(10; \{2^2, 3, 6^{12}\})$	9981312541371924480
6	$\mathcal{O}(10; \{6^{14}\})$	19969937399623974912

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^{22}, 3^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^{18}, 3^7\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{14}, 3^{10}\})$	34733505180598272
6	$\mathcal{O}(9; \{2^{10}, 3^{13}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^6, 3^{16}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^2, 3^{19}\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{23}, 3^2, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^{19}, 3^5, 6\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{15}, 3^8, 6\})$	17265192633630720
6	$\mathcal{O}(9; \{2^{11}, 3^{11}, 6\})$	138730900809056256
6	$\mathcal{O}(9; \{2^7, 3^{14}, 6\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^3, 3^{17}, 6\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{24}, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{2^{20}, 3^3, 6^2\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{16}, 3^6, 6^2\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{12}, 3^9, 6^2\})$	69263890447859712
6	$\mathcal{O}(9; \{2^8, 3^{12}, 6^2\})$	554720483322888192
6	$\mathcal{O}(9; \{2^4, 3^{15}, 6^2\})$	4437154506843095040
6	$\mathcal{O}(9; \{3^{18}, 6^2\})$	35497845414484770816
6	$\mathcal{O}(9; \{2^{21}, 3, 6^3\})$	609359740010496
6	$\mathcal{O}(9; \{2^{17}, 3^4, 6^3\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{13}, 3^7, 6^3\})$	34733505180598272
6	$\mathcal{O}(9; \{2^9, 3^{10}, 6^3\})$	277258681704775680
6	$\mathcal{O}(9; \{2^5, 3^{13}, 6^3\})$	2218678813378215936
6	$\mathcal{O}(9; \{2, 3^{16}, 6^3\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{18}, 3^2, 6^4\})$	2234319046705152
6	$\mathcal{O}(9; \{2^{14}, 3^5, 6^4\})$	17265192633630720
6	$\mathcal{O}(9; \{2^{10}, 3^8, 6^4\})$	138730900809056256
6	$\mathcal{O}(9; \{2^6, 3^{11}, 6^4\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^2, 3^{14}, 6^4\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{19}, 6^5\})$	1015599566684160
6	$\mathcal{O}(9; \{2^{15}, 3^3, 6^5\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{11}, 3^6, 6^5\})$	69263890447859712
6	$\mathcal{O}(9; \{2^7, 3^9, 6^5\})$	554720483322888192
6	$\mathcal{O}(9; \{2^3, 3^{12}, 6^5\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{16}, 3, 6^6\})$	4265518180073472
6	$\mathcal{O}(9; \{2^{12}, 3^4, 6^6\})$	34733505180598272
6	$\mathcal{O}(9; \{2^8, 3^7, 6^6\})$	277258681704775680
6	$\mathcal{O}(9; \{2^4, 3^{10}, 6^6\})$	2218678813378215936
6	$\mathcal{O}(9; \{3^{13}, 6^6\})$	17748821147285716992
6	$\mathcal{O}(9; \{2^{13}, 3^2, 6^7\})$	17265192633630720
6	$\mathcal{O}(9; \{2^9, 3^5, 6^7\})$	138730900809056256
6	$\mathcal{O}(9; \{2^5, 3^8, 6^7\})$	1109237846732439552

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2, 3^{11}, 6^7\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^{14}, 6^8\})$	8734156273483776
6	$\mathcal{O}(9; \{2^{10}, 3^3, 6^8\})$	69263890447859712
6	$\mathcal{O}(9; \{2^6, 3^6, 6^8\})$	554720483322888192
6	$\mathcal{O}(9; \{2^2, 3^9, 6^8\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^{11}, 3, 6^9\})$	34733505180598272
6	$\mathcal{O}(9; \{2^7, 3^4, 6^9\})$	277258681704775680
6	$\mathcal{O}(9; \{2^3, 3^7, 6^9\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^8, 3^2, 6^{10}\})$	138730900809056256
6	$\mathcal{O}(9; \{2^4, 3^5, 6^{10}\})$	1109237846732439552
6	$\mathcal{O}(9; \{3^8, 6^{10}\})$	8874512133599526912
6	$\mathcal{O}(9; \{2^9, 6^{11}\})$	69263890447859712
6	$\mathcal{O}(9; \{2^5, 3^3, 6^{11}\})$	554720483322888192
6	$\mathcal{O}(9; \{2, 3^6, 6^{11}\})$	4437154506843095040
6	$\mathcal{O}(9; \{2^6, 3, 6^{12}\})$	277258681704775680
6	$\mathcal{O}(9; \{2^2, 3^4, 6^{12}\})$	2218678813378215936
6	$\mathcal{O}(9; \{2^3, 3^2, 6^{13}\})$	1109237846732439552
6	$\mathcal{O}(9; \{2^4, 6^{14}\})$	554720483322888192
6	$\mathcal{O}(9; \{3^3, 6^{14}\})$	4437154506843095040
6	$\mathcal{O}(9; \{2, 3, 6^{15}\})$	2218678813378215936
6	$\mathcal{O}(8; \{2^{26}, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^{22}, 3^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^{18}, 3^{10}\})$	964819588349952
6	$\mathcal{O}(8; \{2^{14}, 3^{13}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^{10}, 3^{16}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^6, 3^{19}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^2, 3^{22}\})$	3944199403834048512
6	$\mathcal{O}(8; \{2^{27}, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^{23}, 3^5, 6\})$	62064417964032
6	$\mathcal{O}(8; \{2^{19}, 3^8, 6\})$	479588684267520
6	$\mathcal{O}(8; \{2^{15}, 3^{11}, 6\})$	3853636133584896
6	$\mathcal{O}(8; \{2^{11}, 3^{14}, 6\})$	30812162409234432
6	$\mathcal{O}(8; \{2^7, 3^{17}, 6\})$	246514225933320192
6	$\mathcal{O}(8; \{2^3, 3^{20}, 6\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{28}, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^{24}, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2^{20}, 3^6, 6^2\})$	242615452041216
6	$\mathcal{O}(8; \{2^{16}, 3^9, 6^2\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{12}, 3^{12}, 6^2\})$	15408902314524672
6	$\mathcal{O}(8; \{2^8, 3^{15}, 6^2\})$	123254291856752640
6	$\mathcal{O}(8; \{2^4, 3^{18}, 6^2\})$	986051261513465856
6	$\mathcal{O}(8; \{3^{21}, 6^2\})$	7888393165448282112
6	$\mathcal{O}(8; \{2^{25}, 3, 6^3\})$	16926659444736

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^{21}, 3^4, 6^3\})$	118486616113152
6	$\mathcal{O}(8; \{2^{17}, 3^7, 6^3\})$	964819588349952
6	$\mathcal{O}(8; \{2^{13}, 3^{10}, 6^3\})$	7701630047354880
6	$\mathcal{O}(8; \{2^9, 3^{13}, 6^3\})$	61629967038283776
6	$\mathcal{O}(8; \{2^5, 3^{16}, 6^3\})$	493022809646825472
6	$\mathcal{O}(8; \{2, 3^{19}, 6^3\})$	3944199403834048512
6	$\mathcal{O}(8; \{2^{22}, 3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2^{18}, 3^5, 6^4\})$	479588684267520
6	$\mathcal{O}(8; \{2^{14}, 3^8, 6^4\})$	3853636133584896
6	$\mathcal{O}(8; \{2^{10}, 3^{11}, 6^4\})$	30812162409234432
6	$\mathcal{O}(8; \{2^6, 3^{14}, 6^4\})$	246514225933320192
6	$\mathcal{O}(8; \{2^2, 3^{17}, 6^4\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{23}, 6^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^{19}, 3^3, 6^5\})$	242615452041216
6	$\mathcal{O}(8; \{2^{15}, 3^6, 6^5\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{11}, 3^9, 6^5\})$	15408902314524672
6	$\mathcal{O}(8; \{2^7, 3^{12}, 6^5\})$	123254291856752640
6	$\mathcal{O}(8; \{2^3, 3^{15}, 6^5\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{20}, 3, 6^6\})$	118486616113152
6	$\mathcal{O}(8; \{2^{16}, 3^4, 6^6\})$	964819588349952
6	$\mathcal{O}(8; \{2^{12}, 3^7, 6^6\})$	7701630047354880
6	$\mathcal{O}(8; \{2^8, 3^{10}, 6^6\})$	61629967038283776
6	$\mathcal{O}(8; \{2^4, 3^{13}, 6^6\})$	493022809646825472
6	$\mathcal{O}(8; \{3^{16}, 6^6\})$	3944199403834048512
6	$\mathcal{O}(8; \{2^{17}, 3^2, 6^7\})$	479588684267520
6	$\mathcal{O}(8; \{2^{13}, 3^5, 6^7\})$	3853636133584896
6	$\mathcal{O}(8; \{2^9, 3^8, 6^7\})$	30812162409234432
6	$\mathcal{O}(8; \{2^5, 3^{11}, 6^7\})$	246514225933320192
6	$\mathcal{O}(8; \{2, 3^{14}, 6^7\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{18}, 6^8\})$	242615452041216
6	$\mathcal{O}(8; \{2^{14}, 3^3, 6^8\})$	1923996956884992
6	$\mathcal{O}(8; \{2^{10}, 3^6, 6^8\})$	15408902314524672
6	$\mathcal{O}(8; \{2^6, 3^9, 6^8\})$	123254291856752640
6	$\mathcal{O}(8; \{2^2, 3^{12}, 6^8\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{15}, 3, 6^9\})$	964819588349952
6	$\mathcal{O}(8; \{2^{11}, 3^4, 6^9\})$	7701630047354880
6	$\mathcal{O}(8; \{2^7, 3^7, 6^9\})$	61629967038283776
6	$\mathcal{O}(8; \{2^3, 3^{10}, 6^9\})$	493022809646825472
6	$\mathcal{O}(8; \{2^{12}, 3^2, 6^{10}\})$	3853636133584896
6	$\mathcal{O}(8; \{2^8, 3^5, 6^{10}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^4, 3^8, 6^{10}\})$	246514225933320192
6	$\mathcal{O}(8; \{3^{11}, 6^{10}\})$	1972096880807116800
6	$\mathcal{O}(8; \{2^{13}, 6^{11}\})$	1923996956884992

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^9, 3^3, 6^{11}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^5, 3^6, 6^{11}\})$	123254291856752640
6	$\mathcal{O}(8; \{2, 3^9, 6^{11}\})$	986051261513465856
6	$\mathcal{O}(8; \{2^{10}, 3, 6^{12}\})$	7701630047354880
6	$\mathcal{O}(8; \{2^6, 3^4, 6^{12}\})$	61629967038283776
6	$\mathcal{O}(8; \{2^2, 3^7, 6^{12}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^7, 3^2, 6^{13}\})$	30812162409234432
6	$\mathcal{O}(8; \{2^3, 3^5, 6^{13}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^8, 6^{14}\})$	15408902314524672
6	$\mathcal{O}(8; \{2^4, 3^3, 6^{14}\})$	123254291856752640
6	$\mathcal{O}(8; \{3^6, 6^{14}\})$	986051261513465856
6	$\mathcal{O}(8; \{2^5, 3, 6^{15}\})$	61629967038283776
6	$\mathcal{O}(8; \{2, 3^4, 6^{15}\})$	493022809646825472
6	$\mathcal{O}(8; \{2^2, 3^2, 6^{16}\})$	246514225933320192
6	$\mathcal{O}(8; \{2^3, 6^{17}\})$	123254291856752640
6	$\mathcal{O}(8; \{3, 6^{18}\})$	493022809646825472
6	$\mathcal{O}(7; \{2^{30}, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^{26}, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^{22}, 3^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{18}, 3^{13}\})$	213934167982080
6	$\mathcal{O}(7; \{2^{14}, 3^{16}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^{10}, 3^{19}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^6, 3^{22}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^2, 3^{25}\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{31}, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^{27}, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^{23}, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{19}, 3^{11}, 6\})$	107045448155136
6	$\mathcal{O}(7; \{2^{15}, 3^{14}, 6\})$	855893400256512
6	$\mathcal{O}(7; \{2^{11}, 3^{17}, 6\})$	6847617387036672
6	$\mathcal{O}(7; \{2^7, 3^{20}, 6\})$	54780468911308800
6	$\mathcal{O}(7; \{2^3, 3^{23}, 6\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{32}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^{28}, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^{24}, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^{20}, 3^9, 6^2\})$	53444359913472
6	$\mathcal{O}(7; \{2^{16}, 3^{12}, 6^2\})$	428025064292352
6	$\mathcal{O}(7; \{2^{12}, 3^{15}, 6^2\})$	3423730329354240
6	$\mathcal{O}(7; \{2^8, 3^{18}, 6^2\})$	27390312819818496
6	$\mathcal{O}(7; \{2^4, 3^{21}, 6^2\})$	219122032373563392
6	$\mathcal{O}(7; \{3^{24}, 6^2\})$	1752976729173491712
6	$\mathcal{O}(7; \{2^{29}, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^{25}, 3^4, 6^3\})$	3291294892032

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^{21}, 3^7, 6^3\})$	26800544120832
6	$\mathcal{O}(7; \{2^{17}, 3^{10}, 6^3\})$	213934167982080
6	$\mathcal{O}(7; \{2^{13}, 3^{13}, 6^3\})$	1711943528841216
6	$\mathcal{O}(7; \{2^9, 3^{16}, 6^3\})$	13695078045745152
6	$\mathcal{O}(7; \{2^5, 3^{19}, 6^3\})$	109561094550945792
6	$\mathcal{O}(7; \{2, 3^{22}, 6^3\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{26}, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^{22}, 3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^{18}, 3^8, 6^4\})$	107045448155136
6	$\mathcal{O}(7; \{2^{14}, 3^{11}, 6^4\})$	855893400256512
6	$\mathcal{O}(7; \{2^{10}, 3^{14}, 6^4\})$	6847617387036672
6	$\mathcal{O}(7; \{2^6, 3^{17}, 6^4\})$	54780468911308800
6	$\mathcal{O}(7; \{2^2, 3^{20}, 6^4\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{27}, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2^{23}, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^{19}, 3^6, 6^5\})$	53444359913472
6	$\mathcal{O}(7; \{2^{15}, 3^9, 6^5\})$	428025064292352
6	$\mathcal{O}(7; \{2^{11}, 3^{12}, 6^5\})$	3423730329354240
6	$\mathcal{O}(7; \{2^7, 3^{15}, 6^5\})$	27390312819818496
6	$\mathcal{O}(7; \{2^3, 3^{18}, 6^5\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{24}, 3, 6^6\})$	3291294892032
6	$\mathcal{O}(7; \{2^{20}, 3^4, 6^6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{16}, 3^7, 6^6\})$	213934167982080
6	$\mathcal{O}(7; \{2^{12}, 3^{10}, 6^6\})$	1711943528841216
6	$\mathcal{O}(7; \{2^8, 3^{13}, 6^6\})$	13695078045745152
6	$\mathcal{O}(7; \{2^4, 3^{16}, 6^6\})$	109561094550945792
6	$\mathcal{O}(7; \{3^{19}, 6^6\})$	876488286222581760
6	$\mathcal{O}(7; \{2^{21}, 3^2, 6^7\})$	13321907896320
6	$\mathcal{O}(7; \{2^{17}, 3^5, 6^7\})$	107045448155136
6	$\mathcal{O}(7; \{2^{13}, 3^8, 6^7\})$	855893400256512
6	$\mathcal{O}(7; \{2^9, 3^{11}, 6^7\})$	6847617387036672
6	$\mathcal{O}(7; \{2^5, 3^{14}, 6^7\})$	54780468911308800
6	$\mathcal{O}(7; \{2, 3^{17}, 6^7\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{22}, 6^8\})$	6739318112256
6	$\mathcal{O}(7; \{2^{18}, 3^3, 6^8\})$	53444359913472
6	$\mathcal{O}(7; \{2^{14}, 3^6, 6^8\})$	428025064292352
6	$\mathcal{O}(7; \{2^{10}, 3^9, 6^8\})$	3423730329354240
6	$\mathcal{O}(7; \{2^6, 3^{12}, 6^8\})$	27390312819818496
6	$\mathcal{O}(7; \{2^2, 3^{15}, 6^8\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{19}, 3, 6^9\})$	26800544120832
6	$\mathcal{O}(7; \{2^{15}, 3^4, 6^9\})$	213934167982080
6	$\mathcal{O}(7; \{2^{11}, 3^7, 6^9\})$	1711943528841216
6	$\mathcal{O}(7; \{2^7, 3^{10}, 6^9\})$	13695078045745152

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^3, 3^{13}, 6^9\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{16}, 3^2, 6^{10}\})$	107045448155136
6	$\mathcal{O}(7; \{2^{12}, 3^5, 6^{10}\})$	855893400256512
6	$\mathcal{O}(7; \{2^8, 3^8, 6^{10}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^4, 3^{11}, 6^{10}\})$	54780468911308800
6	$\mathcal{O}(7; \{3^{14}, 6^{10}\})$	438244221475454976
6	$\mathcal{O}(7; \{2^{17}, 6^{11}\})$	53444359913472
6	$\mathcal{O}(7; \{2^{13}, 3^3, 6^{11}\})$	428025064292352
6	$\mathcal{O}(7; \{2^9, 3^6, 6^{11}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^5, 3^9, 6^{11}\})$	27390312819818496
6	$\mathcal{O}(7; \{2, 3^{12}, 6^{11}\})$	219122032373563392
6	$\mathcal{O}(7; \{2^{14}, 3, 6^{12}\})$	213934167982080
6	$\mathcal{O}(7; \{2^{10}, 3^4, 6^{12}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^6, 3^7, 6^{12}\})$	13695078045745152
6	$\mathcal{O}(7; \{2^2, 3^{10}, 6^{12}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^{11}, 3^2, 6^{13}\})$	855893400256512
6	$\mathcal{O}(7; \{2^7, 3^5, 6^{13}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^3, 3^8, 6^{13}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^{12}, 6^{14}\})$	428025064292352
6	$\mathcal{O}(7; \{2^8, 3^3, 6^{14}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^4, 3^6, 6^{14}\})$	27390312819818496
6	$\mathcal{O}(7; \{3^9, 6^{14}\})$	219122032373563392
6	$\mathcal{O}(7; \{2^9, 3, 6^{15}\})$	1711943528841216
6	$\mathcal{O}(7; \{2^5, 3^4, 6^{15}\})$	13695078045745152
6	$\mathcal{O}(7; \{2, 3^7, 6^{15}\})$	109561094550945792
6	$\mathcal{O}(7; \{2^6, 3^2, 6^{16}\})$	6847617387036672
6	$\mathcal{O}(7; \{2^2, 3^5, 6^{16}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^7, 6^{17}\})$	3423730329354240
6	$\mathcal{O}(7; \{2^3, 3^3, 6^{17}\})$	27390312819818496
6	$\mathcal{O}(7; \{2^4, 3, 6^{18}\})$	13695078045745152
6	$\mathcal{O}(7; \{3^4, 6^{18}\})$	109561094550945792
6	$\mathcal{O}(7; \{2, 3^2, 6^{19}\})$	54780468911308800
6	$\mathcal{O}(7; \{2^2, 6^{20}\})$	27390312819818496
6	$\mathcal{O}(6; \{2^{34}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{30}, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^{26}, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{22}, 3^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{18}, 3^{16}\})$	47553986912256
6	$\mathcal{O}(6; \{2^{14}, 3^{19}\})$	380418834604032
6	$\mathcal{O}(6; \{2^{10}, 3^{22}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^6, 3^{25}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^2, 3^{28}\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{35}, 3^2, 6\})$	4353564672

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{31}, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^{27}, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{23}, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{19}, 3^{14}, 6\})$	23774816673792
6	$\mathcal{O}(6; \{2^{15}, 3^{17}, 6\})$	190211594084352
6	$\mathcal{O}(6; \{2^{11}, 3^{20}, 6\})$	1521679691980800
6	$\mathcal{O}(6; \{2^7, 3^{23}, 6\})$	12173450596540416
6	$\mathcal{O}(6; \{2^3, 3^{26}, 6\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{36}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{32}, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^{28}, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^{24}, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^{20}, 3^{12}, 6^2\})$	11889585119232
6	$\mathcal{O}(6; \{2^{16}, 3^{15}, 6^2\})$	95103620259840
6	$\mathcal{O}(6; \{2^{12}, 3^{18}, 6^2\})$	760842022772736
6	$\mathcal{O}(6; \{2^8, 3^{21}, 6^2\})$	6086723121487872
6	$\mathcal{O}(6; \{2^4, 3^{24}, 6^2\})$	48693798032596992
6	$\mathcal{O}(6; \{3^{27}, 6^2\})$	389550371200081920
6	$\mathcal{O}(6; \{2^{33}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^{29}, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^{25}, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^{21}, 3^{10}, 6^3\})$	5942615777280
6	$\mathcal{O}(6; \{2^{17}, 3^{13}, 6^3\})$	47553986912256
6	$\mathcal{O}(6; \{2^{13}, 3^{16}, 6^3\})$	380418834604032
6	$\mathcal{O}(6; \{2^9, 3^{19}, 6^3\})$	3043363737526272
6	$\mathcal{O}(6; \{2^5, 3^{22}, 6^3\})$	24346896839516160
6	$\mathcal{O}(6; \{2, 3^{25}, 6^3\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{30}, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^{26}, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^{22}, 3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^{18}, 3^{11}, 6^4\})$	23774816673792
6	$\mathcal{O}(6; \{2^{14}, 3^{14}, 6^4\})$	190211594084352
6	$\mathcal{O}(6; \{2^{10}, 3^{17}, 6^4\})$	1521679691980800
6	$\mathcal{O}(6; \{2^6, 3^{20}, 6^4\})$	12173450596540416
6	$\mathcal{O}(6; \{2^2, 3^{23}, 6^4\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{31}, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^{27}, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^{23}, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^{19}, 3^9, 6^5\})$	11889585119232
6	$\mathcal{O}(6; \{2^{15}, 3^{12}, 6^5\})$	95103620259840
6	$\mathcal{O}(6; \{2^{11}, 3^{15}, 6^5\})$	760842022772736
6	$\mathcal{O}(6; \{2^7, 3^{18}, 6^5\})$	6086723121487872
6	$\mathcal{O}(6; \{2^3, 3^{21}, 6^5\})$	48693798032596992

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^{28}, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^{24}, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2^{20}, 3^7, 6^6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{16}, 3^{10}, 6^6\})$	47553986912256
6	$\mathcal{O}(6; \{2^{12}, 3^{13}, 6^6\})$	380418834604032
6	$\mathcal{O}(6; \{2^8, 3^{16}, 6^6\})$	3043363737526272
6	$\mathcal{O}(6; \{2^4, 3^{19}, 6^6\})$	24346896839516160
6	$\mathcal{O}(6; \{3^{22}, 6^6\})$	194775187776823296
6	$\mathcal{O}(6; \{2^{25}, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^{21}, 3^5, 6^7\})$	2973484670976
6	$\mathcal{O}(6; \{2^{17}, 3^8, 6^7\})$	23774816673792
6	$\mathcal{O}(6; \{2^{13}, 3^{11}, 6^7\})$	190211594084352
6	$\mathcal{O}(6; \{2^9, 3^{14}, 6^7\})$	1521679691980800
6	$\mathcal{O}(6; \{2^5, 3^{17}, 6^7\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 3^{20}, 6^7\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{26}, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{2^{22}, 3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2^{18}, 3^6, 6^8\})$	11889585119232
6	$\mathcal{O}(6; \{2^{14}, 3^9, 6^8\})$	95103620259840
6	$\mathcal{O}(6; \{2^{10}, 3^{12}, 6^8\})$	760842022772736
6	$\mathcal{O}(6; \{2^6, 3^{15}, 6^8\})$	6086723121487872
6	$\mathcal{O}(6; \{2^2, 3^{18}, 6^8\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{23}, 3, 6^9\})$	744459558912
6	$\mathcal{O}(6; \{2^{19}, 3^4, 6^9\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^7, 6^9\})$	47553986912256
6	$\mathcal{O}(6; \{2^{11}, 3^{10}, 6^9\})$	380418834604032
6	$\mathcal{O}(6; \{2^7, 3^{13}, 6^9\})$	3043363737526272
6	$\mathcal{O}(6; \{2^3, 3^{16}, 6^9\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{20}, 3^2, 6^{10}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 3^5, 6^{10}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{12}, 3^8, 6^{10}\})$	190211594084352
6	$\mathcal{O}(6; \{2^8, 3^{11}, 6^{10}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^4, 3^{14}, 6^{10}\})$	12173450596540416
6	$\mathcal{O}(6; \{3^{17}, 6^{10}\})$	97387591711629312
6	$\mathcal{O}(6; \{2^{21}, 6^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{17}, 3^3, 6^{11}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3^6, 6^{11}\})$	95103620259840
6	$\mathcal{O}(6; \{2^9, 3^9, 6^{11}\})$	760842022772736
6	$\mathcal{O}(6; \{2^5, 3^{12}, 6^{11}\})$	6086723121487872
6	$\mathcal{O}(6; \{2, 3^{15}, 6^{11}\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{18}, 3, 6^{12}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3^4, 6^{12}\})$	47553986912256
6	$\mathcal{O}(6; \{2^{10}, 3^7, 6^{12}\})$	380418834604032

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^6, 3^{10}, 6^{12}\})$	3043363737526272
6	$\mathcal{O}(6; \{2^2, 3^{13}, 6^{12}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{15}, 3^2, 6^{13}\})$	23774816673792
6	$\mathcal{O}(6; \{2^{11}, 3^5, 6^{13}\})$	190211594084352
6	$\mathcal{O}(6; \{2^7, 3^8, 6^{13}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^3, 3^{11}, 6^{13}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{16}, 6^{14}\})$	11889585119232
6	$\mathcal{O}(6; \{2^{12}, 3^3, 6^{14}\})$	95103620259840
6	$\mathcal{O}(6; \{2^8, 3^6, 6^{14}\})$	760842022772736
6	$\mathcal{O}(6; \{2^4, 3^9, 6^{14}\})$	6086723121487872
6	$\mathcal{O}(6; \{3^{12}, 6^{14}\})$	48693798032596992
6	$\mathcal{O}(6; \{2^{13}, 3, 6^{15}\})$	47553986912256
6	$\mathcal{O}(6; \{2^9, 3^4, 6^{15}\})$	380418834604032
6	$\mathcal{O}(6; \{2^5, 3^7, 6^{15}\})$	3043363737526272
6	$\mathcal{O}(6; \{2, 3^{10}, 6^{15}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^{10}, 3^2, 6^{16}\})$	190211594084352
6	$\mathcal{O}(6; \{2^6, 3^5, 6^{16}\})$	1521679691980800
6	$\mathcal{O}(6; \{2^2, 3^8, 6^{16}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^{11}, 6^{17}\})$	95103620259840
6	$\mathcal{O}(6; \{2^7, 3^3, 6^{17}\})$	760842022772736
6	$\mathcal{O}(6; \{2^3, 3^6, 6^{17}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^8, 3, 6^{18}\})$	380418834604032
6	$\mathcal{O}(6; \{2^4, 3^4, 6^{18}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^7, 6^{18}\})$	24346896839516160
6	$\mathcal{O}(6; \{2^5, 3^2, 6^{19}\})$	1521679691980800
6	$\mathcal{O}(6; \{2, 3^5, 6^{19}\})$	12173450596540416
6	$\mathcal{O}(6; \{2^6, 6^{20}\})$	760842022772736
6	$\mathcal{O}(6; \{2^2, 3^3, 6^{20}\})$	6086723121487872
6	$\mathcal{O}(6; \{2^3, 3, 6^{21}\})$	3043363737526272
6	$\mathcal{O}(6; \{3^2, 6^{22}\})$	12173450596540416
6	$\mathcal{O}(6; \{2, 6^{23}\})$	6086723121487872
6	$\mathcal{O}(5; \{2^{38}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{34}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{30}, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{26}, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{22}, 3^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{18}, 3^{19}\})$	10567189850112
6	$\mathcal{O}(5; \{2^{14}, 3^{22}\})$	84537881597952
6	$\mathcal{O}(5; \{2^{10}, 3^{25}\})$	676302689986560
6	$\mathcal{O}(5; \{2^6, 3^{28}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^2, 3^{31}\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{39}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{35}, 3^5, 6\})$	1330255872

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{31}, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{27}, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{23}, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{19}, 3^{17}, 6\})$	5283655391232
6	$\mathcal{O}(5; \{2^{15}, 3^{20}, 6\})$	42268880332800
6	$\mathcal{O}(5; \{2^{11}, 3^{23}, 6\})$	338151405459456
6	$\mathcal{O}(5; \{2^7, 3^{26}, 6\})$	2705210880878592
6	$\mathcal{O}(5; \{2^3, 3^{29}, 6\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{40}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{36}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{32}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^{28}, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^{24}, 3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{2^{20}, 3^{15}, 6^2\})$	2641767229440
6	$\mathcal{O}(5; \{2^{16}, 3^{18}, 6^2\})$	21134500632576
6	$\mathcal{O}(5; \{2^{12}, 3^{21}, 6^2\})$	169075642263552
6	$\mathcal{O}(5; \{2^8, 3^{24}, 6^2\})$	1352605500905472
6	$\mathcal{O}(5; \{2^4, 3^{27}, 6^2\})$	10820843644446720
6	$\mathcal{O}(5; \{3^{30}, 6^2\})$	86566749518370816
6	$\mathcal{O}(5; \{2^{37}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^{33}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^{29}, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^{25}, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{21}, 3^{13}, 6^3\})$	1320944080896
6	$\mathcal{O}(5; \{2^{17}, 3^{16}, 6^3\})$	10567189850112
6	$\mathcal{O}(5; \{2^{13}, 3^{19}, 6^3\})$	84537881597952
6	$\mathcal{O}(5; \{2^9, 3^{22}, 6^3\})$	676302689986560
6	$\mathcal{O}(5; \{2^5, 3^{25}, 6^3\})$	5410421882689536
6	$\mathcal{O}(5; \{2, 3^{28}, 6^3\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{34}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^{30}, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^{26}, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^{22}, 3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{18}, 3^{14}, 6^4\})$	5283655391232
6	$\mathcal{O}(5; \{2^{14}, 3^{17}, 6^4\})$	42268880332800
6	$\mathcal{O}(5; \{2^{10}, 3^{20}, 6^4\})$	338151405459456
6	$\mathcal{O}(5; \{2^6, 3^{23}, 6^4\})$	2705210880878592
6	$\mathcal{O}(5; \{2^2, 3^{26}, 6^4\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{35}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^{31}, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^{27}, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^{23}, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{19}, 3^{12}, 6^5\})$	2641767229440

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3^{15}, 6^5\})$	21134500632576
6	$\mathcal{O}(5; \{2^{11}, 3^{18}, 6^5\})$	169075642263552
6	$\mathcal{O}(5; \{2^7, 3^{21}, 6^5\})$	1352605500905472
6	$\mathcal{O}(5; \{2^3, 3^{24}, 6^5\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{32}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^{28}, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^{24}, 3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{2^{20}, 3^{10}, 6^6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{16}, 3^{13}, 6^6\})$	10567189850112
6	$\mathcal{O}(5; \{2^{12}, 3^{16}, 6^6\})$	84537881597952
6	$\mathcal{O}(5; \{2^8, 3^{19}, 6^6\})$	676302689986560
6	$\mathcal{O}(5; \{2^4, 3^{22}, 6^6\})$	5410421882689536
6	$\mathcal{O}(5; \{3^{25}, 6^6\})$	43283374698719232
6	$\mathcal{O}(5; \{2^{29}, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^{25}, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^{21}, 3^8, 6^7\})$	660411574272
6	$\mathcal{O}(5; \{2^{17}, 3^{11}, 6^7\})$	5283655391232
6	$\mathcal{O}(5; \{2^{13}, 3^{14}, 6^7\})$	42268880332800
6	$\mathcal{O}(5; \{2^9, 3^{17}, 6^7\})$	338151405459456
6	$\mathcal{O}(5; \{2^5, 3^{20}, 6^7\})$	2705210880878592
6	$\mathcal{O}(5; \{2, 3^{23}, 6^7\})$	21641687409825792
6	$\mathcal{O}(5; \{2^{30}, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^{26}, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^{22}, 3^6, 6^8\})$	330266253312
6	$\mathcal{O}(5; \{2^{18}, 3^9, 6^8\})$	2641767229440
6	$\mathcal{O}(5; \{2^{14}, 3^{12}, 6^8\})$	21134500632576
6	$\mathcal{O}(5; \{2^{10}, 3^{15}, 6^8\})$	169075642263552
6	$\mathcal{O}(5; \{2^6, 3^{18}, 6^8\})$	1352605500905472
6	$\mathcal{O}(5; \{2^2, 3^{21}, 6^8\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{27}, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2^{23}, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^{19}, 3^7, 6^9\})$	1320944080896
6	$\mathcal{O}(5; \{2^{15}, 3^{10}, 6^9\})$	10567189850112
6	$\mathcal{O}(5; \{2^{11}, 3^{13}, 6^9\})$	84537881597952
6	$\mathcal{O}(5; \{2^7, 3^{16}, 6^9\})$	676302689986560
6	$\mathcal{O}(5; \{2^3, 3^{19}, 6^9\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{24}, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2^{20}, 3^5, 6^{10}\})$	660411574272
6	$\mathcal{O}(5; \{2^{16}, 3^8, 6^{10}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{12}, 3^{11}, 6^{10}\})$	42268880332800
6	$\mathcal{O}(5; \{2^8, 3^{14}, 6^{10}\})$	338151405459456
6	$\mathcal{O}(5; \{2^4, 3^{17}, 6^{10}\})$	2705210880878592
6	$\mathcal{O}(5; \{3^{20}, 6^{10}\})$	21641687409825792

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{25}, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{21}, 3^3, 6^{11}\})$	330266253312
6	$\mathcal{O}(5; \{2^{17}, 3^6, 6^{11}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{13}, 3^9, 6^{11}\})$	21134500632576
6	$\mathcal{O}(5; \{2^9, 3^{12}, 6^{11}\})$	169075642263552
6	$\mathcal{O}(5; \{2^5, 3^{15}, 6^{11}\})$	1352605500905472
6	$\mathcal{O}(5; \{2, 3^{18}, 6^{11}\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{22}, 3, 6^{12}\})$	165072660480
6	$\mathcal{O}(5; \{2^{18}, 3^4, 6^{12}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^7, 6^{12}\})$	10567189850112
6	$\mathcal{O}(5; \{2^{10}, 3^{10}, 6^{12}\})$	84537881597952
6	$\mathcal{O}(5; \{2^6, 3^{13}, 6^{12}\})$	676302689986560
6	$\mathcal{O}(5; \{2^2, 3^{16}, 6^{12}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{19}, 3^2, 6^{13}\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^5, 6^{13}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{11}, 3^8, 6^{13}\})$	42268880332800
6	$\mathcal{O}(5; \{2^7, 3^{11}, 6^{13}\})$	338151405459456
6	$\mathcal{O}(5; \{2^3, 3^{14}, 6^{13}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{20}, 6^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^3, 6^{14}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{12}, 3^6, 6^{14}\})$	21134500632576
6	$\mathcal{O}(5; \{2^8, 3^9, 6^{14}\})$	169075642263552
6	$\mathcal{O}(5; \{2^4, 3^{12}, 6^{14}\})$	1352605500905472
6	$\mathcal{O}(5; \{3^{15}, 6^{14}\})$	10820843644446720
6	$\mathcal{O}(5; \{2^{17}, 3, 6^{15}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3^4, 6^{15}\})$	10567189850112
6	$\mathcal{O}(5; \{2^9, 3^7, 6^{15}\})$	84537881597952
6	$\mathcal{O}(5; \{2^5, 3^{10}, 6^{15}\})$	676302689986560
6	$\mathcal{O}(5; \{2, 3^{13}, 6^{15}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^{14}, 3^2, 6^{16}\})$	5283655391232
6	$\mathcal{O}(5; \{2^{10}, 3^5, 6^{16}\})$	42268880332800
6	$\mathcal{O}(5; \{2^6, 3^8, 6^{16}\})$	338151405459456
6	$\mathcal{O}(5; \{2^2, 3^{11}, 6^{16}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{15}, 6^{17}\})$	2641767229440
6	$\mathcal{O}(5; \{2^{11}, 3^3, 6^{17}\})$	21134500632576
6	$\mathcal{O}(5; \{2^7, 3^6, 6^{17}\})$	169075642263552
6	$\mathcal{O}(5; \{2^3, 3^9, 6^{17}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^{12}, 3, 6^{18}\})$	10567189850112
6	$\mathcal{O}(5; \{2^8, 3^4, 6^{18}\})$	84537881597952
6	$\mathcal{O}(5; \{2^4, 3^7, 6^{18}\})$	676302689986560
6	$\mathcal{O}(5; \{3^{10}, 6^{18}\})$	5410421882689536
6	$\mathcal{O}(5; \{2^9, 3^2, 6^{19}\})$	42268880332800
6	$\mathcal{O}(5; \{2^5, 3^5, 6^{19}\})$	338151405459456

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2, 3^8, 6^{19}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^{10}, 6^{20}\})$	21134500632576
6	$\mathcal{O}(5; \{2^6, 3^3, 6^{20}\})$	169075642263552
6	$\mathcal{O}(5; \{2^2, 3^6, 6^{20}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^7, 3, 6^{21}\})$	84537881597952
6	$\mathcal{O}(5; \{2^3, 3^4, 6^{21}\})$	676302689986560
6	$\mathcal{O}(5; \{2^4, 3^2, 6^{22}\})$	338151405459456
6	$\mathcal{O}(5; \{3^5, 6^{22}\})$	2705210880878592
6	$\mathcal{O}(5; \{2^5, 6^{23}\})$	169075642263552
6	$\mathcal{O}(5; \{2, 3^3, 6^{23}\})$	1352605500905472
6	$\mathcal{O}(5; \{2^2, 3, 6^{24}\})$	676302689986560
6	$\mathcal{O}(5; \{6^{26}\})$	1352605500905472
6	$\mathcal{O}(4; \{2^{42}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{38}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{34}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{30}, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{26}, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^{22}, 3^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{18}, 3^{22}\})$	2348274488832
6	$\mathcal{O}(4; \{2^{14}, 3^{25}\})$	18786185832960
6	$\mathcal{O}(4; \{2^{10}, 3^{28}\})$	150289496741376
6	$\mathcal{O}(4; \{2^6, 3^{31}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^2, 3^{34}\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{43}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{39}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{35}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{31}, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{27}, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^{23}, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{19}, 3^{20}, 6\})$	1174135564800
6	$\mathcal{O}(4; \{2^{15}, 3^{23}, 6\})$	9393094596096
6	$\mathcal{O}(4; \{2^{11}, 3^{26}, 6\})$	75144746691072
6	$\mathcal{O}(4; \{2^7, 3^{29}, 6\})$	601157983606272
6	$\mathcal{O}(4; \{2^3, 3^{32}, 6\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{44}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{40}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{36}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{32}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^{28}, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^{24}, 3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{2^{20}, 3^{18}, 6^2\})$	587069462016
6	$\mathcal{O}(4; \{2^{16}, 3^{21}, 6^2\})$	4696545618432
6	$\mathcal{O}(4; \{2^{12}, 3^{24}, 6^2\})$	37572375025152

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^8, 3^{27}, 6^2\})$	300578990123520
6	$\mathcal{O}(4; \{2^4, 3^{30}, 6^2\})$	2404631931065856
6	$\mathcal{O}(4; \{3^{33}, 6^2\})$	19237055438449152
6	$\mathcal{O}(4; \{2^{41}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{37}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{33}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^{29}, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{25}, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{21}, 3^{16}, 6^3\})$	293533051392
6	$\mathcal{O}(4; \{2^{17}, 3^{19}, 6^3\})$	2348274488832
6	$\mathcal{O}(4; \{2^{13}, 3^{22}, 6^3\})$	18786185832960
6	$\mathcal{O}(4; \{2^9, 3^{25}, 6^3\})$	150289496741376
6	$\mathcal{O}(4; \{2^5, 3^{28}, 6^3\})$	1202315963853312
6	$\mathcal{O}(4; \{2, 3^{31}, 6^3\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{38}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{34}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^{30}, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^{26}, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{22}, 3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{18}, 3^{17}, 6^4\})$	1174135564800
6	$\mathcal{O}(4; \{2^{14}, 3^{20}, 6^4\})$	9393094596096
6	$\mathcal{O}(4; \{2^{10}, 3^{23}, 6^4\})$	75144746691072
6	$\mathcal{O}(4; \{2^6, 3^{26}, 6^4\})$	601157983606272
6	$\mathcal{O}(4; \{2^2, 3^{29}, 6^4\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{39}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{35}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^{31}, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^{27}, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{23}, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{19}, 3^{15}, 6^5\})$	587069462016
6	$\mathcal{O}(4; \{2^{15}, 3^{18}, 6^5\})$	4696545618432
6	$\mathcal{O}(4; \{2^{11}, 3^{21}, 6^5\})$	37572375025152
6	$\mathcal{O}(4; \{2^7, 3^{24}, 6^5\})$	300578990123520
6	$\mathcal{O}(4; \{2^3, 3^{27}, 6^5\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{36}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{32}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^{28}, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^{24}, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^{20}, 3^{13}, 6^6\})$	293533051392
6	$\mathcal{O}(4; \{2^{16}, 3^{16}, 6^6\})$	2348274488832
6	$\mathcal{O}(4; \{2^{12}, 3^{19}, 6^6\})$	18786185832960
6	$\mathcal{O}(4; \{2^8, 3^{22}, 6^6\})$	150289496741376
6	$\mathcal{O}(4; \{2^4, 3^{25}, 6^6\})$	1202315963853312

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{3^{28}, 6^6\})$	9618527720904192
6	$\mathcal{O}(4; \{2^{33}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^{29}, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^{25}, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2^{21}, 3^{11}, 6^7\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 3^{14}, 6^7\})$	1174135564800
6	$\mathcal{O}(4; \{2^{13}, 3^{17}, 6^7\})$	9393094596096
6	$\mathcal{O}(4; \{2^9, 3^{20}, 6^7\})$	75144746691072
6	$\mathcal{O}(4; \{2^5, 3^{23}, 6^7\})$	601157983606272
6	$\mathcal{O}(4; \{2, 3^{26}, 6^7\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{34}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^{30}, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^{26}, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^{22}, 3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^{12}, 6^8\})$	587069462016
6	$\mathcal{O}(4; \{2^{14}, 3^{15}, 6^8\})$	4696545618432
6	$\mathcal{O}(4; \{2^{10}, 3^{18}, 6^8\})$	37572375025152
6	$\mathcal{O}(4; \{2^6, 3^{21}, 6^8\})$	300578990123520
6	$\mathcal{O}(4; \{2^2, 3^{24}, 6^8\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{31}, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^{27}, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^{23}, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 3^{10}, 6^9\})$	293533051392
6	$\mathcal{O}(4; \{2^{15}, 3^{13}, 6^9\})$	2348274488832
6	$\mathcal{O}(4; \{2^{11}, 3^{16}, 6^9\})$	18786185832960
6	$\mathcal{O}(4; \{2^7, 3^{19}, 6^9\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^{22}, 6^9\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{28}, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^{24}, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 3^8, 6^{10}\})$	146768205312
6	$\mathcal{O}(4; \{2^{16}, 3^{11}, 6^{10}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{12}, 3^{14}, 6^{10}\})$	9393094596096
6	$\mathcal{O}(4; \{2^8, 3^{17}, 6^{10}\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 3^{20}, 6^{10}\})$	601157983606272
6	$\mathcal{O}(4; \{3^{23}, 6^{10}\})$	4809263858772480
6	$\mathcal{O}(4; \{2^{29}, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{25}, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^{21}, 3^6, 6^{11}\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3^9, 6^{11}\})$	587069462016
6	$\mathcal{O}(4; \{2^{13}, 3^{12}, 6^{11}\})$	4696545618432
6	$\mathcal{O}(4; \{2^9, 3^{15}, 6^{11}\})$	37572375025152
6	$\mathcal{O}(4; \{2^5, 3^{18}, 6^{11}\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3^{21}, 6^{11}\})$	2404631931065856

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{26}, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{2^{22}, 3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3^7, 6^{12}\})$	293533051392
6	$\mathcal{O}(4; \{2^{14}, 3^{10}, 6^{12}\})$	2348274488832
6	$\mathcal{O}(4; \{2^{10}, 3^{13}, 6^{12}\})$	18786185832960
6	$\mathcal{O}(4; \{2^6, 3^{16}, 6^{12}\})$	150289496741376
6	$\mathcal{O}(4; \{2^2, 3^{19}, 6^{12}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{23}, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3^5, 6^{13}\})$	146768205312
6	$\mathcal{O}(4; \{2^{15}, 3^8, 6^{13}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{11}, 3^{11}, 6^{13}\})$	9393094596096
6	$\mathcal{O}(4; \{2^7, 3^{14}, 6^{13}\})$	75144746691072
6	$\mathcal{O}(4; \{2^3, 3^{17}, 6^{13}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{24}, 6^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{20}, 3^3, 6^{14}\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3^6, 6^{14}\})$	587069462016
6	$\mathcal{O}(4; \{2^{12}, 3^9, 6^{14}\})$	4696545618432
6	$\mathcal{O}(4; \{2^8, 3^{12}, 6^{14}\})$	37572375025152
6	$\mathcal{O}(4; \{2^4, 3^{15}, 6^{14}\})$	300578990123520
6	$\mathcal{O}(4; \{3^{18}, 6^{14}\})$	2404631931065856
6	$\mathcal{O}(4; \{2^{21}, 3, 6^{15}\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 3^4, 6^{15}\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^7, 6^{15}\})$	2348274488832
6	$\mathcal{O}(4; \{2^9, 3^{10}, 6^{15}\})$	18786185832960
6	$\mathcal{O}(4; \{2^5, 3^{13}, 6^{15}\})$	150289496741376
6	$\mathcal{O}(4; \{2, 3^{16}, 6^{15}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{18}, 3^2, 6^{16}\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^5, 6^{16}\})$	1174135564800
6	$\mathcal{O}(4; \{2^{10}, 3^8, 6^{16}\})$	9393094596096
6	$\mathcal{O}(4; \{2^6, 3^{11}, 6^{16}\})$	75144746691072
6	$\mathcal{O}(4; \{2^2, 3^{14}, 6^{16}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{19}, 6^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^3, 6^{17}\})$	587069462016
6	$\mathcal{O}(4; \{2^{11}, 3^6, 6^{17}\})$	4696545618432
6	$\mathcal{O}(4; \{2^7, 3^9, 6^{17}\})$	37572375025152
6	$\mathcal{O}(4; \{2^3, 3^{12}, 6^{17}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{16}, 3, 6^{18}\})$	293533051392
6	$\mathcal{O}(4; \{2^{12}, 3^4, 6^{18}\})$	2348274488832
6	$\mathcal{O}(4; \{2^8, 3^7, 6^{18}\})$	18786185832960
6	$\mathcal{O}(4; \{2^4, 3^{10}, 6^{18}\})$	150289496741376
6	$\mathcal{O}(4; \{3^{13}, 6^{18}\})$	1202315963853312
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6^{19}\})$	1174135564800
6	$\mathcal{O}(4; \{2^9, 3^5, 6^{19}\})$	9393094596096

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^5, 3^8, 6^{19}\})$	75144746691072
6	$\mathcal{O}(4; \{2, 3^{11}, 6^{19}\})$	601157983606272
6	$\mathcal{O}(4; \{2^{14}, 6^{20}\})$	587069462016
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^{20}\})$	4696545618432
6	$\mathcal{O}(4; \{2^6, 3^6, 6^{20}\})$	37572375025152
6	$\mathcal{O}(4; \{2^2, 3^9, 6^{20}\})$	300578990123520
6	$\mathcal{O}(4; \{2^{11}, 3, 6^{21}\})$	2348274488832
6	$\mathcal{O}(4; \{2^7, 3^4, 6^{21}\})$	18786185832960
6	$\mathcal{O}(4; \{2^3, 3^7, 6^{21}\})$	150289496741376
6	$\mathcal{O}(4; \{2^8, 3^2, 6^{22}\})$	9393094596096
6	$\mathcal{O}(4; \{2^4, 3^5, 6^{22}\})$	75144746691072
6	$\mathcal{O}(4; \{3^8, 6^{22}\})$	601157983606272
6	$\mathcal{O}(4; \{2^9, 6^{23}\})$	4696545618432
6	$\mathcal{O}(4; \{2^5, 3^3, 6^{23}\})$	37572375025152
6	$\mathcal{O}(4; \{2, 3^6, 6^{23}\})$	300578990123520
6	$\mathcal{O}(4; \{2^6, 3, 6^{24}\})$	18786185832960
6	$\mathcal{O}(4; \{2^2, 3^4, 6^{24}\})$	150289496741376
6	$\mathcal{O}(4; \{2^3, 3^2, 6^{25}\})$	75144746691072
6	$\mathcal{O}(4; \{2^4, 6^{26}\})$	37572375025152
6	$\mathcal{O}(4; \{3^3, 6^{26}\})$	300578990123520
6	$\mathcal{O}(4; \{2, 3, 6^{27}\})$	150289496741376
6	$\mathcal{O}(3; \{2^{46}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{42}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{38}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{34}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{30}, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{26}, 3^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{22}, 3^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{18}, 3^{25}\})$	521838495360
6	$\mathcal{O}(3; \{2^{14}, 3^{28}\})$	4174708242816
6	$\mathcal{O}(3; \{2^{10}, 3^{31}\})$	33397665662592
6	$\mathcal{O}(3; \{2^6, 3^{34}\})$	267181325580672
6	$\mathcal{O}(3; \{2^2, 3^{37}\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{47}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{43}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{39}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{35}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{31}, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{27}, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{23}, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{19}, 3^{23}, 6\})$	260919294336
6	$\mathcal{O}(3; \{2^{15}, 3^{26}, 6\})$	2087354074752
6	$\mathcal{O}(3; \{2^{11}, 3^{29}, 6\})$	16698832877952

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^7, 3^{32}, 6\})$	133590662743680
6	$\mathcal{O}(3; \{2^3, 3^{35}, 6\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{48}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{44}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{40}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{36}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{32}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{28}, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{24}, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{20}, 3^{21}, 6^2\})$	130459600512
6	$\mathcal{O}(3; \{2^{16}, 3^{24}, 6^2\})$	1043677084032
6	$\mathcal{O}(3; \{2^{12}, 3^{27}, 6^2\})$	8349416392320
6	$\mathcal{O}(3; \{2^8, 3^{30}, 6^2\})$	66795331418496
6	$\mathcal{O}(3; \{2^4, 3^{33}, 6^2\})$	534362651068032
6	$\mathcal{O}(3; \{3^{36}, 6^2\})$	4274901208824192
6	$\mathcal{O}(3; \{2^{45}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{41}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{37}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{33}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^{29}, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{25}, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{21}, 3^{19}, 6^3\})$	65229846912
6	$\mathcal{O}(3; \{2^{17}, 3^{22}, 6^3\})$	521838495360
6	$\mathcal{O}(3; \{2^{13}, 3^{25}, 6^3\})$	4174708242816
6	$\mathcal{O}(3; \{2^9, 3^{28}, 6^3\})$	33397665662592
6	$\mathcal{O}(3; \{2^5, 3^{31}, 6^3\})$	267181325580672
6	$\mathcal{O}(3; \{2, 3^{34}, 6^3\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{42}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{38}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{34}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^{30}, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^{26}, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{22}, 3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{18}, 3^{20}, 6^4\})$	260919294336
6	$\mathcal{O}(3; \{2^{14}, 3^{23}, 6^4\})$	2087354074752
6	$\mathcal{O}(3; \{2^{10}, 3^{26}, 6^4\})$	16698832877952
6	$\mathcal{O}(3; \{2^6, 3^{29}, 6^4\})$	133590662743680
6	$\mathcal{O}(3; \{2^2, 3^{32}, 6^4\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{43}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{39}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{35}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^{31}, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^{27}, 3^{12}, 6^5\})$	2038400640

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{23}, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{19}, 3^{18}, 6^5\})$	130459600512
6	$\mathcal{O}(3; \{2^{15}, 3^{21}, 6^5\})$	1043677084032
6	$\mathcal{O}(3; \{2^{11}, 3^{24}, 6^5\})$	8349416392320
6	$\mathcal{O}(3; \{2^7, 3^{27}, 6^5\})$	66795331418496
6	$\mathcal{O}(3; \{2^3, 3^{30}, 6^5\})$	534362651068032
6	$\mathcal{O}(3; \{2^{40}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{36}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{32}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^{28}, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^{24}, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{20}, 3^{16}, 6^6\})$	65229846912
6	$\mathcal{O}(3; \{2^{16}, 3^{19}, 6^6\})$	521838495360
6	$\mathcal{O}(3; \{2^{12}, 3^{22}, 6^6\})$	4174708242816
6	$\mathcal{O}(3; \{2^8, 3^{25}, 6^6\})$	33397665662592
6	$\mathcal{O}(3; \{2^4, 3^{28}, 6^6\})$	267181325580672
6	$\mathcal{O}(3; \{3^{31}, 6^6\})$	2137450604365440
6	$\mathcal{O}(3; \{2^{37}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{33}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^{29}, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{25}, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2^{21}, 3^{14}, 6^7\})$	32614876800
6	$\mathcal{O}(3; \{2^{17}, 3^{17}, 6^7\})$	260919294336
6	$\mathcal{O}(3; \{2^{13}, 3^{20}, 6^7\})$	2087354074752
6	$\mathcal{O}(3; \{2^9, 3^{23}, 6^7\})$	16698832877952
6	$\mathcal{O}(3; \{2^5, 3^{26}, 6^7\})$	133590662743680
6	$\mathcal{O}(3; \{2, 3^{29}, 6^7\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{38}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{34}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^{30}, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^{26}, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^{22}, 3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{18}, 3^{15}, 6^8\})$	130459600512
6	$\mathcal{O}(3; \{2^{14}, 3^{18}, 6^8\})$	1043677084032
6	$\mathcal{O}(3; \{2^{10}, 3^{21}, 6^8\})$	8349416392320
6	$\mathcal{O}(3; \{2^6, 3^{24}, 6^8\})$	66795331418496
6	$\mathcal{O}(3; \{2^2, 3^{27}, 6^8\})$	534362651068032
6	$\mathcal{O}(3; \{2^{35}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^{31}, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^{27}, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^{23}, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3^{13}, 6^9\})$	65229846912
6	$\mathcal{O}(3; \{2^{15}, 3^{16}, 6^9\})$	521838495360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{11}, 3^{19}, 6^9\})$	4174708242816
6	$\mathcal{O}(3; \{2^7, 3^{22}, 6^9\})$	33397665662592
6	$\mathcal{O}(3; \{2^3, 3^{25}, 6^9\})$	267181325580672
6	$\mathcal{O}(3; \{2^{32}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^{28}, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^{24}, 3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3^{11}, 6^{10}\})$	32614876800
6	$\mathcal{O}(3; \{2^{16}, 3^{14}, 6^{10}\})$	260919294336
6	$\mathcal{O}(3; \{2^{12}, 3^{17}, 6^{10}\})$	2087354074752
6	$\mathcal{O}(3; \{2^8, 3^{20}, 6^{10}\})$	16698832877952
6	$\mathcal{O}(3; \{2^4, 3^{23}, 6^{10}\})$	133590662743680
6	$\mathcal{O}(3; \{3^{26}, 6^{10}\})$	1068725302229376
6	$\mathcal{O}(3; \{2^{33}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{29}, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^{25}, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^{21}, 3^9, 6^{11}\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^{12}, 6^{11}\})$	130459600512
6	$\mathcal{O}(3; \{2^{13}, 3^{15}, 6^{11}\})$	1043677084032
6	$\mathcal{O}(3; \{2^9, 3^{18}, 6^{11}\})$	8349416392320
6	$\mathcal{O}(3; \{2^5, 3^{21}, 6^{11}\})$	66795331418496
6	$\mathcal{O}(3; \{2, 3^{24}, 6^{11}\})$	534362651068032
6	$\mathcal{O}(3; \{2^{30}, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^{26}, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^{22}, 3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^{10}, 6^{12}\})$	65229846912
6	$\mathcal{O}(3; \{2^{14}, 3^{13}, 6^{12}\})$	521838495360
6	$\mathcal{O}(3; \{2^{10}, 3^{16}, 6^{12}\})$	4174708242816
6	$\mathcal{O}(3; \{2^6, 3^{19}, 6^{12}\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^{22}, 6^{12}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{27}, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^{23}, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^8, 6^{13}\})$	32614876800
6	$\mathcal{O}(3; \{2^{15}, 3^{11}, 6^{13}\})$	260919294336
6	$\mathcal{O}(3; \{2^{11}, 3^{14}, 6^{13}\})$	2087354074752
6	$\mathcal{O}(3; \{2^7, 3^{17}, 6^{13}\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 3^{20}, 6^{13}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{28}, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{24}, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^6, 6^{14}\})$	16307485056
6	$\mathcal{O}(3; \{2^{16}, 3^9, 6^{14}\})$	130459600512
6	$\mathcal{O}(3; \{2^{12}, 3^{12}, 6^{14}\})$	1043677084032
6	$\mathcal{O}(3; \{2^8, 3^{15}, 6^{14}\})$	8349416392320
6	$\mathcal{O}(3; \{2^4, 3^{18}, 6^{14}\})$	66795331418496

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^{21}, 6^{14}\})$	534362651068032
6	$\mathcal{O}(3; \{2^{25}, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{2^{21}, 3^4, 6^{15}\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3^7, 6^{15}\})$	65229846912
6	$\mathcal{O}(3; \{2^{13}, 3^{10}, 6^{15}\})$	521838495360
6	$\mathcal{O}(3; \{2^9, 3^{13}, 6^{15}\})$	4174708242816
6	$\mathcal{O}(3; \{2^5, 3^{16}, 6^{15}\})$	33397665662592
6	$\mathcal{O}(3; \{2, 3^{19}, 6^{15}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{22}, 3^2, 6^{16}\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3^5, 6^{16}\})$	32614876800
6	$\mathcal{O}(3; \{2^{14}, 3^8, 6^{16}\})$	260919294336
6	$\mathcal{O}(3; \{2^{10}, 3^{11}, 6^{16}\})$	2087354074752
6	$\mathcal{O}(3; \{2^6, 3^{14}, 6^{16}\})$	16698832877952
6	$\mathcal{O}(3; \{2^2, 3^{17}, 6^{16}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{23}, 6^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^3, 6^{17}\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3^6, 6^{17}\})$	130459600512
6	$\mathcal{O}(3; \{2^{11}, 3^9, 6^{17}\})$	1043677084032
6	$\mathcal{O}(3; \{2^7, 3^{12}, 6^{17}\})$	8349416392320
6	$\mathcal{O}(3; \{2^3, 3^{15}, 6^{17}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{20}, 3, 6^{18}\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3^4, 6^{18}\})$	65229846912
6	$\mathcal{O}(3; \{2^{12}, 3^7, 6^{18}\})$	521838495360
6	$\mathcal{O}(3; \{2^8, 3^{10}, 6^{18}\})$	4174708242816
6	$\mathcal{O}(3; \{2^4, 3^{13}, 6^{18}\})$	33397665662592
6	$\mathcal{O}(3; \{3^{16}, 6^{18}\})$	267181325580672
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6^{19}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6^{19}\})$	260919294336
6	$\mathcal{O}(3; \{2^9, 3^8, 6^{19}\})$	2087354074752
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6^{19}\})$	16698832877952
6	$\mathcal{O}(3; \{2, 3^{14}, 6^{19}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{18}, 6^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^{20}\})$	130459600512
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^{20}\})$	1043677084032
6	$\mathcal{O}(3; \{2^6, 3^9, 6^{20}\})$	8349416392320
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^{20}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{15}, 3, 6^{21}\})$	65229846912
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^{21}\})$	521838495360
6	$\mathcal{O}(3; \{2^7, 3^7, 6^{21}\})$	4174708242816
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^{21}\})$	33397665662592
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^{22}\})$	260919294336
6	$\mathcal{O}(3; \{2^8, 3^5, 6^{22}\})$	2087354074752
6	$\mathcal{O}(3; \{2^4, 3^8, 6^{22}\})$	16698832877952

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^{11}, 6^{22}\})$	133590662743680
6	$\mathcal{O}(3; \{2^{13}, 6^{23}\})$	130459600512
6	$\mathcal{O}(3; \{2^9, 3^3, 6^{23}\})$	1043677084032
6	$\mathcal{O}(3; \{2^5, 3^6, 6^{23}\})$	8349416392320
6	$\mathcal{O}(3; \{2, 3^9, 6^{23}\})$	66795331418496
6	$\mathcal{O}(3; \{2^{10}, 3, 6^{24}\})$	521838495360
6	$\mathcal{O}(3; \{2^6, 3^4, 6^{24}\})$	4174708242816
6	$\mathcal{O}(3; \{2^2, 3^7, 6^{24}\})$	33397665662592
6	$\mathcal{O}(3; \{2^7, 3^2, 6^{25}\})$	2087354074752
6	$\mathcal{O}(3; \{2^3, 3^5, 6^{25}\})$	16698832877952
6	$\mathcal{O}(3; \{2^8, 6^{26}\})$	1043677084032
6	$\mathcal{O}(3; \{2^4, 3^3, 6^{26}\})$	8349416392320
6	$\mathcal{O}(3; \{3^6, 6^{26}\})$	66795331418496
6	$\mathcal{O}(3; \{2^5, 3, 6^{27}\})$	4174708242816
6	$\mathcal{O}(3; \{2, 3^4, 6^{27}\})$	33397665662592
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{28}\})$	16698832877952
6	$\mathcal{O}(3; \{2^3, 6^{29}\})$	8349416392320
6	$\mathcal{O}(3; \{3, 6^{30}\})$	33397665662592
6	$\mathcal{O}(2; \{2^{50}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{46}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{42}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{38}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{34}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{30}, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{26}, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{22}, 3^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^{18}, 3^{28}\})$	115964117856
6	$\mathcal{O}(2; \{2^{14}, 3^{31}\})$	927712935072
6	$\mathcal{O}(2; \{2^{10}, 3^{34}\})$	7421703488352
6	$\mathcal{O}(2; \{2^6, 3^{37}\})$	59373627899040
6	$\mathcal{O}(2; \{2^2, 3^{40}\})$	474989023200096
6	$\mathcal{O}(2; \{2^{51}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{47}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{43}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{39}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{35}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^{31}, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{27}, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^{23}, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{19}, 3^{26}, 6\})$	57982057632
6	$\mathcal{O}(2; \{2^{15}, 3^{29}, 6\})$	463856468832
6	$\mathcal{O}(2; \{2^{11}, 3^{32}, 6\})$	3710851742880
6	$\mathcal{O}(2; \{2^7, 3^{35}, 6\})$	29686813950816

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^3, 3^{38}, 6\})$	237494511598752
6	$\mathcal{O}(2; \{2^{52}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{48}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{44}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{40}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{36}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{32}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^{28}, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{24}, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{20}, 3^{24}, 6^2\})$	28991030112
6	$\mathcal{O}(2; \{2^{16}, 3^{27}, 6^2\})$	231928233120
6	$\mathcal{O}(2; \{2^{12}, 3^{30}, 6^2\})$	1855425872736
6	$\mathcal{O}(2; \{2^8, 3^{33}, 6^2\})$	14843406974112
6	$\mathcal{O}(2; \{2^4, 3^{36}, 6^2\})$	118747255800672
6	$\mathcal{O}(2; \{3^{39}, 6^2\})$	949978046397600
6	$\mathcal{O}(2; \{2^{49}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{45}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{41}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{37}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{33}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^{29}, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^{25}, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2^{21}, 3^{22}, 6^3\})$	14495513760
6	$\mathcal{O}(2; \{2^{17}, 3^{25}, 6^3\})$	115964117856
6	$\mathcal{O}(2; \{2^{13}, 3^{28}, 6^3\})$	927712935072
6	$\mathcal{O}(2; \{2^9, 3^{31}, 6^3\})$	7421703488352
6	$\mathcal{O}(2; \{2^5, 3^{34}, 6^3\})$	59373627899040
6	$\mathcal{O}(2; \{2, 3^{37}, 6^3\})$	474989023200096
6	$\mathcal{O}(2; \{2^{46}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{42}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{38}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{34}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^{30}, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^{26}, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^{22}, 3^{20}, 6^4\})$	7247758176
6	$\mathcal{O}(2; \{2^{18}, 3^{23}, 6^4\})$	57982057632
6	$\mathcal{O}(2; \{2^{14}, 3^{26}, 6^4\})$	463856468832
6	$\mathcal{O}(2; \{2^{10}, 3^{29}, 6^4\})$	3710851742880
6	$\mathcal{O}(2; \{2^6, 3^{32}, 6^4\})$	29686813950816
6	$\mathcal{O}(2; \{2^2, 3^{35}, 6^4\})$	237494511598752
6	$\mathcal{O}(2; \{2^{47}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{43}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{39}, 3^6, 6^5\})$	883872

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{35}, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^{31}, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^{27}, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^{23}, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{19}, 3^{21}, 6^5\})$	28991030112
6	$\mathcal{O}(2; \{2^{15}, 3^{24}, 6^5\})$	231928233120
6	$\mathcal{O}(2; \{2^{11}, 3^{27}, 6^5\})$	1855425872736
6	$\mathcal{O}(2; \{2^7, 3^{30}, 6^5\})$	14843406974112
6	$\mathcal{O}(2; \{2^3, 3^{33}, 6^5\})$	118747255800672
6	$\mathcal{O}(2; \{2^{44}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{40}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{36}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{32}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^{28}, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^{24}, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{2^{20}, 3^{19}, 6^6\})$	14495513760
6	$\mathcal{O}(2; \{2^{16}, 3^{22}, 6^6\})$	115964117856
6	$\mathcal{O}(2; \{2^{12}, 3^{25}, 6^6\})$	927712935072
6	$\mathcal{O}(2; \{2^8, 3^{28}, 6^6\})$	7421703488352
6	$\mathcal{O}(2; \{2^4, 3^{31}, 6^6\})$	59373627899040
6	$\mathcal{O}(2; \{3^{34}, 6^6\})$	474989023200096
6	$\mathcal{O}(2; \{2^{41}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{37}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{33}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^{29}, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^{25}, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2^{21}, 3^{17}, 6^7\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 3^{20}, 6^7\})$	57982057632
6	$\mathcal{O}(2; \{2^{13}, 3^{23}, 6^7\})$	463856468832
6	$\mathcal{O}(2; \{2^9, 3^{26}, 6^7\})$	3710851742880
6	$\mathcal{O}(2; \{2^5, 3^{29}, 6^7\})$	29686813950816
6	$\mathcal{O}(2; \{2, 3^{32}, 6^7\})$	237494511598752
6	$\mathcal{O}(2; \{2^{42}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{38}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{34}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^{30}, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^{26}, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^{15}, 6^8\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^{18}, 6^8\})$	28991030112
6	$\mathcal{O}(2; \{2^{14}, 3^{21}, 6^8\})$	231928233120
6	$\mathcal{O}(2; \{2^{10}, 3^{24}, 6^8\})$	1855425872736
6	$\mathcal{O}(2; \{2^6, 3^{27}, 6^8\})$	14843406974112
6	$\mathcal{O}(2; \{2^2, 3^{30}, 6^8\})$	118747255800672

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{39}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{35}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^{31}, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^{27}, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^{16}, 6^9\})$	14495513760
6	$\mathcal{O}(2; \{2^{15}, 3^{19}, 6^9\})$	115964117856
6	$\mathcal{O}(2; \{2^{11}, 3^{22}, 6^9\})$	927712935072
6	$\mathcal{O}(2; \{2^7, 3^{25}, 6^9\})$	7421703488352
6	$\mathcal{O}(2; \{2^3, 3^{28}, 6^9\})$	59373627899040
6	$\mathcal{O}(2; \{2^{36}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{32}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^{28}, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 3^{14}, 6^{10}\})$	7247758176
6	$\mathcal{O}(2; \{2^{16}, 3^{17}, 6^{10}\})$	57982057632
6	$\mathcal{O}(2; \{2^{12}, 3^{20}, 6^{10}\})$	463856468832
6	$\mathcal{O}(2; \{2^8, 3^{23}, 6^{10}\})$	3710851742880
6	$\mathcal{O}(2; \{2^4, 3^{26}, 6^{10}\})$	29686813950816
6	$\mathcal{O}(2; \{3^{29}, 6^{10}\})$	237494511598752
6	$\mathcal{O}(2; \{2^{37}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{33}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^{29}, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^{25}, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3^{12}, 6^{11}\})$	3623877792
6	$\mathcal{O}(2; \{2^{17}, 3^{15}, 6^{11}\})$	28991030112
6	$\mathcal{O}(2; \{2^{13}, 3^{18}, 6^{11}\})$	231928233120
6	$\mathcal{O}(2; \{2^9, 3^{21}, 6^{11}\})$	1855425872736
6	$\mathcal{O}(2; \{2^5, 3^{24}, 6^{11}\})$	14843406974112
6	$\mathcal{O}(2; \{2, 3^{27}, 6^{11}\})$	118747255800672
6	$\mathcal{O}(2; \{2^{34}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^{30}, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^{26}, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^{18}, 3^{13}, 6^{12}\})$	14495513760
6	$\mathcal{O}(2; \{2^{14}, 3^{16}, 6^{12}\})$	115964117856
6	$\mathcal{O}(2; \{2^{10}, 3^{19}, 6^{12}\})$	927712935072
6	$\mathcal{O}(2; \{2^6, 3^{22}, 6^{12}\})$	7421703488352
6	$\mathcal{O}(2; \{2^2, 3^{25}, 6^{12}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{31}, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^{27}, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3^{11}, 6^{13}\})$	7247758176

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{15}, 3^{14}, 6^{13}\})$	57982057632
6	$\mathcal{O}(2; \{2^{11}, 3^{17}, 6^{13}\})$	463856468832
6	$\mathcal{O}(2; \{2^7, 3^{20}, 6^{13}\})$	3710851742880
6	$\mathcal{O}(2; \{2^3, 3^{23}, 6^{13}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{32}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{28}, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^{24}, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^{20}, 3^9, 6^{14}\})$	3623877792
6	$\mathcal{O}(2; \{2^{16}, 3^{12}, 6^{14}\})$	28991030112
6	$\mathcal{O}(2; \{2^{12}, 3^{15}, 6^{14}\})$	231928233120
6	$\mathcal{O}(2; \{2^8, 3^{18}, 6^{14}\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3^{21}, 6^{14}\})$	14843406974112
6	$\mathcal{O}(2; \{3^{24}, 6^{14}\})$	118747255800672
6	$\mathcal{O}(2; \{2^{29}, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^{25}, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^{21}, 3^7, 6^{15}\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 3^{10}, 6^{15}\})$	14495513760
6	$\mathcal{O}(2; \{2^{13}, 3^{13}, 6^{15}\})$	115964117856
6	$\mathcal{O}(2; \{2^9, 3^{16}, 6^{15}\})$	927712935072
6	$\mathcal{O}(2; \{2^5, 3^{19}, 6^{15}\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^{22}, 6^{15}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{26}, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^8, 6^{16}\})$	7247758176
6	$\mathcal{O}(2; \{2^{14}, 3^{11}, 6^{16}\})$	57982057632
6	$\mathcal{O}(2; \{2^{10}, 3^{14}, 6^{16}\})$	463856468832
6	$\mathcal{O}(2; \{2^6, 3^{17}, 6^{16}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 3^{20}, 6^{16}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{27}, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^{23}, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^6, 6^{17}\})$	3623877792
6	$\mathcal{O}(2; \{2^{15}, 3^9, 6^{17}\})$	28991030112
6	$\mathcal{O}(2; \{2^{11}, 3^{12}, 6^{17}\})$	231928233120
6	$\mathcal{O}(2; \{2^7, 3^{15}, 6^{17}\})$	1855425872736
6	$\mathcal{O}(2; \{2^3, 3^{18}, 6^{17}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{24}, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^4, 6^{18}\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^7, 6^{18}\})$	14495513760
6	$\mathcal{O}(2; \{2^{12}, 3^{10}, 6^{18}\})$	115964117856
6	$\mathcal{O}(2; \{2^8, 3^{13}, 6^{18}\})$	927712935072
6	$\mathcal{O}(2; \{2^4, 3^{16}, 6^{18}\})$	7421703488352
6	$\mathcal{O}(2; \{3^{19}, 6^{18}\})$	59373627899040
6	$\mathcal{O}(2; \{2^{21}, 3^2, 6^{19}\})$	905968800

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{17}, 3^5, 6^{19}\})$	7247758176
6	$\mathcal{O}(2; \{2^{13}, 3^8, 6^{19}\})$	57982057632
6	$\mathcal{O}(2; \{2^9, 3^{11}, 6^{19}\})$	463856468832
6	$\mathcal{O}(2; \{2^5, 3^{14}, 6^{19}\})$	3710851742880
6	$\mathcal{O}(2; \{2, 3^{17}, 6^{19}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{22}, 6^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3^3, 6^{20}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3^6, 6^{20}\})$	28991030112
6	$\mathcal{O}(2; \{2^{10}, 3^9, 6^{20}\})$	231928233120
6	$\mathcal{O}(2; \{2^6, 3^{12}, 6^{20}\})$	1855425872736
6	$\mathcal{O}(2; \{2^2, 3^{15}, 6^{20}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{19}, 3, 6^{21}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3^4, 6^{21}\})$	14495513760
6	$\mathcal{O}(2; \{2^{11}, 3^7, 6^{21}\})$	115964117856
6	$\mathcal{O}(2; \{2^7, 3^{10}, 6^{21}\})$	927712935072
6	$\mathcal{O}(2; \{2^3, 3^{13}, 6^{21}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{16}, 3^2, 6^{22}\})$	7247758176
6	$\mathcal{O}(2; \{2^{12}, 3^5, 6^{22}\})$	57982057632
6	$\mathcal{O}(2; \{2^8, 3^8, 6^{22}\})$	463856468832
6	$\mathcal{O}(2; \{2^4, 3^{11}, 6^{22}\})$	3710851742880
6	$\mathcal{O}(2; \{3^{14}, 6^{22}\})$	29686813950816
6	$\mathcal{O}(2; \{2^{17}, 6^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^3, 6^{23}\})$	28991030112
6	$\mathcal{O}(2; \{2^9, 3^6, 6^{23}\})$	231928233120
6	$\mathcal{O}(2; \{2^5, 3^9, 6^{23}\})$	1855425872736
6	$\mathcal{O}(2; \{2, 3^{12}, 6^{23}\})$	14843406974112
6	$\mathcal{O}(2; \{2^{14}, 3, 6^{24}\})$	14495513760
6	$\mathcal{O}(2; \{2^{10}, 3^4, 6^{24}\})$	115964117856
6	$\mathcal{O}(2; \{2^6, 3^7, 6^{24}\})$	927712935072
6	$\mathcal{O}(2; \{2^2, 3^{10}, 6^{24}\})$	7421703488352
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6^{25}\})$	57982057632
6	$\mathcal{O}(2; \{2^7, 3^5, 6^{25}\})$	463856468832
6	$\mathcal{O}(2; \{2^3, 3^8, 6^{25}\})$	3710851742880
6	$\mathcal{O}(2; \{2^{12}, 6^{26}\})$	28991030112
6	$\mathcal{O}(2; \{2^8, 3^3, 6^{26}\})$	231928233120
6	$\mathcal{O}(2; \{2^4, 3^6, 6^{26}\})$	1855425872736
6	$\mathcal{O}(2; \{3^9, 6^{26}\})$	14843406974112
6	$\mathcal{O}(2; \{2^9, 3, 6^{27}\})$	115964117856
6	$\mathcal{O}(2; \{2^5, 3^4, 6^{27}\})$	927712935072
6	$\mathcal{O}(2; \{2, 3^7, 6^{27}\})$	7421703488352
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{28}\})$	463856468832
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{28}\})$	3710851742880
6	$\mathcal{O}(2; \{2^7, 6^{29}\})$	231928233120

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{29}\})$	1855425872736
6	$\mathcal{O}(2; \{2^4, 3, 6^{30}\})$	927712935072
6	$\mathcal{O}(2; \{3^4, 6^{30}\})$	7421703488352
6	$\mathcal{O}(2; \{2, 3^2, 6^{31}\})$	3710851742880
6	$\mathcal{O}(2; \{2^2, 6^{32}\})$	1855425872736
6	$\mathcal{O}(1; \{2^{54}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{50}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{46}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{42}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{38}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{34}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{30}, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^{26}, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{22}, 3^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^{18}, 3^{31}\})$	25769803752
6	$\mathcal{O}(1; \{2^{14}, 3^{34}\})$	206158430232
6	$\mathcal{O}(1; \{2^{10}, 3^{37}\})$	1649267441640
6	$\mathcal{O}(1; \{2^6, 3^{40}\})$	13194139533336
6	$\mathcal{O}(1; \{2^2, 3^{43}\})$	105553116266472
6	$\mathcal{O}(1; \{2^{55}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{51}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{47}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{43}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{39}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{35}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^{31}, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^{27}, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{23}, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{19}, 3^{29}, 6\})$	12884901912
6	$\mathcal{O}(1; \{2^{15}, 3^{32}, 6\})$	103079215080
6	$\mathcal{O}(1; \{2^{11}, 3^{35}, 6\})$	824633720856
6	$\mathcal{O}(1; \{2^7, 3^{38}, 6\})$	6597069766632
6	$\mathcal{O}(1; \{2^3, 3^{41}, 6\})$	52776558133272
6	$\mathcal{O}(1; \{2^{56}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{52}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{48}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{44}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{40}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{36}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{32}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^{28}, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^{24}, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{20}, 3^{27}, 6^2\})$	6442450920

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^{30}, 6^2\})$	51539607576
6	$\mathcal{O}(1; \{2^{12}, 3^{33}, 6^2\})$	412316860392
6	$\mathcal{O}(1; \{2^8, 3^{36}, 6^2\})$	3298534883352
6	$\mathcal{O}(1; \{2^4, 3^{39}, 6^2\})$	26388279066600
6	$\mathcal{O}(1; \{3^{42}, 6^2\})$	211106232533016
6	$\mathcal{O}(1; \{2^{53}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{49}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{45}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{41}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{37}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{33}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^{29}, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^{25}, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{21}, 3^{25}, 6^3\})$	3221225496
6	$\mathcal{O}(1; \{2^{17}, 3^{28}, 6^3\})$	25769803752
6	$\mathcal{O}(1; \{2^{13}, 3^{31}, 6^3\})$	206158430232
6	$\mathcal{O}(1; \{2^9, 3^{34}, 6^3\})$	1649267441640
6	$\mathcal{O}(1; \{2^5, 3^{37}, 6^3\})$	13194139533336
6	$\mathcal{O}(1; \{2, 3^{40}, 6^3\})$	105553116266472
6	$\mathcal{O}(1; \{2^{50}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{46}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{42}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{38}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{34}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{30}, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^{26}, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{22}, 3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{18}, 3^{26}, 6^4\})$	12884901912
6	$\mathcal{O}(1; \{2^{14}, 3^{29}, 6^4\})$	103079215080
6	$\mathcal{O}(1; \{2^{10}, 3^{32}, 6^4\})$	824633720856
6	$\mathcal{O}(1; \{2^6, 3^{35}, 6^4\})$	6597069766632
6	$\mathcal{O}(1; \{2^2, 3^{38}, 6^4\})$	52776558133272
6	$\mathcal{O}(1; \{2^{51}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{47}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{43}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{39}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{35}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{31}, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^{27}, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{23}, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{19}, 3^{24}, 6^5\})$	6442450920
6	$\mathcal{O}(1; \{2^{15}, 3^{27}, 6^5\})$	51539607576
6	$\mathcal{O}(1; \{2^{11}, 3^{30}, 6^5\})$	412316860392

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^7, 3^{33}, 6^5\})$	3298534883352
6	$\mathcal{O}(1; \{2^3, 3^{36}, 6^5\})$	26388279066600
6	$\mathcal{O}(1; \{2^{48}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{44}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{40}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{36}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^{32}, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^{28}, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{20}, 3^{22}, 6^6\})$	3221225496
6	$\mathcal{O}(1; \{2^{16}, 3^{25}, 6^6\})$	25769803752
6	$\mathcal{O}(1; \{2^{12}, 3^{28}, 6^6\})$	206158430232
6	$\mathcal{O}(1; \{2^8, 3^{31}, 6^6\})$	1649267441640
6	$\mathcal{O}(1; \{2^4, 3^{34}, 6^6\})$	13194139533336
6	$\mathcal{O}(1; \{3^{37}, 6^6\})$	105553116266472
6	$\mathcal{O}(1; \{2^{45}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{41}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{37}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{33}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^{29}, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{25}, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{21}, 3^{20}, 6^7\})$	1610612712
6	$\mathcal{O}(1; \{2^{17}, 3^{23}, 6^7\})$	12884901912
6	$\mathcal{O}(1; \{2^{13}, 3^{26}, 6^7\})$	103079215080
6	$\mathcal{O}(1; \{2^9, 3^{29}, 6^7\})$	824633720856
6	$\mathcal{O}(1; \{2^5, 3^{32}, 6^7\})$	6597069766632
6	$\mathcal{O}(1; \{2, 3^{35}, 6^7\})$	52776558133272
6	$\mathcal{O}(1; \{2^{46}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{42}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{38}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{34}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{30}, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^{26}, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3^{21}, 6^8\})$	6442450920
6	$\mathcal{O}(1; \{2^{14}, 3^{24}, 6^8\})$	51539607576
6	$\mathcal{O}(1; \{2^{10}, 3^{27}, 6^8\})$	412316860392
6	$\mathcal{O}(1; \{2^6, 3^{30}, 6^8\})$	3298534883352
6	$\mathcal{O}(1; \{2^2, 3^{33}, 6^8\})$	26388279066600
6	$\mathcal{O}(1; \{2^{43}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{39}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{35}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^{31}, 3^{10}, 6^9\})$	6291432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{27}, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^{23}, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3^{19}, 6^9\})$	3221225496
6	$\mathcal{O}(1; \{2^{15}, 3^{22}, 6^9\})$	25769803752
6	$\mathcal{O}(1; \{2^{11}, 3^{25}, 6^9\})$	206158430232
6	$\mathcal{O}(1; \{2^7, 3^{28}, 6^9\})$	1649267441640
6	$\mathcal{O}(1; \{2^3, 3^{31}, 6^9\})$	13194139533336
6	$\mathcal{O}(1; \{2^{40}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{36}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{32}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^{28}, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{24}, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3^{17}, 6^{10}\})$	1610612712
6	$\mathcal{O}(1; \{2^{16}, 3^{20}, 6^{10}\})$	12884901912
6	$\mathcal{O}(1; \{2^{12}, 3^{23}, 6^{10}\})$	103079215080
6	$\mathcal{O}(1; \{2^8, 3^{26}, 6^{10}\})$	824633720856
6	$\mathcal{O}(1; \{2^4, 3^{29}, 6^{10}\})$	6597069766632
6	$\mathcal{O}(1; \{3^{32}, 6^{10}\})$	52776558133272
6	$\mathcal{O}(1; \{2^{41}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{37}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{33}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^{29}, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{25}, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{21}, 3^{15}, 6^{11}\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^{18}, 6^{11}\})$	6442450920
6	$\mathcal{O}(1; \{2^{13}, 3^{21}, 6^{11}\})$	51539607576
6	$\mathcal{O}(1; \{2^9, 3^{24}, 6^{11}\})$	412316860392
6	$\mathcal{O}(1; \{2^5, 3^{27}, 6^{11}\})$	3298534883352
6	$\mathcal{O}(1; \{2, 3^{30}, 6^{11}\})$	26388279066600
6	$\mathcal{O}(1; \{2^{38}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{34}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^{30}, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^{26}, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^{22}, 3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^{16}, 6^{12}\})$	3221225496
6	$\mathcal{O}(1; \{2^{14}, 3^{19}, 6^{12}\})$	25769803752
6	$\mathcal{O}(1; \{2^{10}, 3^{22}, 6^{12}\})$	206158430232
6	$\mathcal{O}(1; \{2^6, 3^{25}, 6^{12}\})$	1649267441640
6	$\mathcal{O}(1; \{2^2, 3^{28}, 6^{12}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{35}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^{31}, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^{27}, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{23}, 3^{11}, 6^{13}\})$	201326616

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{19}, 3^{14}, 6^{13}\})$	1610612712
6	$\mathcal{O}(1; \{2^{15}, 3^{17}, 6^{13}\})$	12884901912
6	$\mathcal{O}(1; \{2^{11}, 3^{20}, 6^{13}\})$	103079215080
6	$\mathcal{O}(1; \{2^7, 3^{23}, 6^{13}\})$	824633720856
6	$\mathcal{O}(1; \{2^3, 3^{26}, 6^{13}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{36}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{32}, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^{28}, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^{24}, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^{12}, 6^{14}\})$	805306392
6	$\mathcal{O}(1; \{2^{16}, 3^{15}, 6^{14}\})$	6442450920
6	$\mathcal{O}(1; \{2^{12}, 3^{18}, 6^{14}\})$	51539607576
6	$\mathcal{O}(1; \{2^8, 3^{21}, 6^{14}\})$	412316860392
6	$\mathcal{O}(1; \{2^4, 3^{24}, 6^{14}\})$	3298534883352
6	$\mathcal{O}(1; \{3^{27}, 6^{14}\})$	26388279066600
6	$\mathcal{O}(1; \{2^{33}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^{29}, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^{25}, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^{21}, 3^{10}, 6^{15}\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3^{13}, 6^{15}\})$	3221225496
6	$\mathcal{O}(1; \{2^{13}, 3^{16}, 6^{15}\})$	25769803752
6	$\mathcal{O}(1; \{2^9, 3^{19}, 6^{15}\})$	206158430232
6	$\mathcal{O}(1; \{2^5, 3^{22}, 6^{15}\})$	1649267441640
6	$\mathcal{O}(1; \{2, 3^{25}, 6^{15}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{30}, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^{26}, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^{22}, 3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3^{11}, 6^{16}\})$	1610612712
6	$\mathcal{O}(1; \{2^{14}, 3^{14}, 6^{16}\})$	12884901912
6	$\mathcal{O}(1; \{2^{10}, 3^{17}, 6^{16}\})$	103079215080
6	$\mathcal{O}(1; \{2^6, 3^{20}, 6^{16}\})$	824633720856
6	$\mathcal{O}(1; \{2^2, 3^{23}, 6^{16}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{31}, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{27}, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3^9, 6^{17}\})$	805306392
6	$\mathcal{O}(1; \{2^{15}, 3^{12}, 6^{17}\})$	6442450920
6	$\mathcal{O}(1; \{2^{11}, 3^{15}, 6^{17}\})$	51539607576
6	$\mathcal{O}(1; \{2^7, 3^{18}, 6^{17}\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3^{21}, 6^{17}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{28}, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3^7, 6^{18}\})$	402653160

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^{10}, 6^{18}\})$	3221225496
6	$\mathcal{O}(1; \{2^{12}, 3^{13}, 6^{18}\})$	25769803752
6	$\mathcal{O}(1; \{2^8, 3^{16}, 6^{18}\})$	206158430232
6	$\mathcal{O}(1; \{2^4, 3^{19}, 6^{18}\})$	1649267441640
6	$\mathcal{O}(1; \{3^{22}, 6^{18}\})$	13194139533336
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6^{19}\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6^{19}\})$	1610612712
6	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6^{19}\})$	12884901912
6	$\mathcal{O}(1; \{2^9, 3^{14}, 6^{19}\})$	103079215080
6	$\mathcal{O}(1; \{2^5, 3^{17}, 6^{19}\})$	824633720856
6	$\mathcal{O}(1; \{2, 3^{20}, 6^{19}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{26}, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^6, 6^{20}\})$	805306392
6	$\mathcal{O}(1; \{2^{14}, 3^9, 6^{20}\})$	6442450920
6	$\mathcal{O}(1; \{2^{10}, 3^{12}, 6^{20}\})$	51539607576
6	$\mathcal{O}(1; \{2^6, 3^{15}, 6^{20}\})$	412316860392
6	$\mathcal{O}(1; \{2^2, 3^{18}, 6^{20}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{23}, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^4, 6^{21}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^7, 6^{21}\})$	3221225496
6	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6^{21}\})$	25769803752
6	$\mathcal{O}(1; \{2^7, 3^{13}, 6^{21}\})$	206158430232
6	$\mathcal{O}(1; \{2^3, 3^{16}, 6^{21}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{20}, 3^2, 6^{22}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^5, 6^{22}\})$	1610612712
6	$\mathcal{O}(1; \{2^{12}, 3^8, 6^{22}\})$	12884901912
6	$\mathcal{O}(1; \{2^8, 3^{11}, 6^{22}\})$	103079215080
6	$\mathcal{O}(1; \{2^4, 3^{14}, 6^{22}\})$	824633720856
6	$\mathcal{O}(1; \{3^{17}, 6^{22}\})$	6597069766632
6	$\mathcal{O}(1; \{2^{21}, 6^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3^3, 6^{23}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3^6, 6^{23}\})$	6442450920
6	$\mathcal{O}(1; \{2^9, 3^9, 6^{23}\})$	51539607576
6	$\mathcal{O}(1; \{2^5, 3^{12}, 6^{23}\})$	412316860392
6	$\mathcal{O}(1; \{2, 3^{15}, 6^{23}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{18}, 3, 6^{24}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3^4, 6^{24}\})$	3221225496
6	$\mathcal{O}(1; \{2^{10}, 3^7, 6^{24}\})$	25769803752
6	$\mathcal{O}(1; \{2^6, 3^{10}, 6^{24}\})$	206158430232
6	$\mathcal{O}(1; \{2^2, 3^{13}, 6^{24}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{15}, 3^2, 6^{25}\})$	1610612712

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{11}, 3^5, 6^{25}\})$	12884901912
6	$\mathcal{O}(1; \{2^7, 3^8, 6^{25}\})$	103079215080
6	$\mathcal{O}(1; \{2^3, 3^{11}, 6^{25}\})$	824633720856
6	$\mathcal{O}(1; \{2^{16}, 6^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{12}, 3^3, 6^{26}\})$	6442450920
6	$\mathcal{O}(1; \{2^8, 3^6, 6^{26}\})$	51539607576
6	$\mathcal{O}(1; \{2^4, 3^9, 6^{26}\})$	412316860392
6	$\mathcal{O}(1; \{3^{12}, 6^{26}\})$	3298534883352
6	$\mathcal{O}(1; \{2^{13}, 3, 6^{27}\})$	3221225496
6	$\mathcal{O}(1; \{2^9, 3^4, 6^{27}\})$	25769803752
6	$\mathcal{O}(1; \{2^5, 3^7, 6^{27}\})$	206158430232
6	$\mathcal{O}(1; \{2, 3^{10}, 6^{27}\})$	1649267441640
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{28}\})$	12884901912
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{28}\})$	103079215080
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{28}\})$	824633720856
6	$\mathcal{O}(1; \{2^{11}, 6^{29}\})$	6442450920
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{29}\})$	51539607576
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{29}\})$	412316860392
6	$\mathcal{O}(1; \{2^8, 3, 6^{30}\})$	25769803752
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{30}\})$	206158430232
6	$\mathcal{O}(1; \{3^7, 6^{30}\})$	1649267441640
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{31}\})$	103079215080
6	$\mathcal{O}(1; \{2, 3^5, 6^{31}\})$	824633720856
6	$\mathcal{O}(1; \{2^6, 6^{32}\})$	51539607576
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{32}\})$	412316860392
6	$\mathcal{O}(1; \{2^3, 3, 6^{33}\})$	206158430232
6	$\mathcal{O}(1; \{3^2, 6^{34}\})$	824633720856
6	$\mathcal{O}(1; \{2, 6^{35}\})$	412316860392
6	$\mathcal{O}(0; \{2^{58}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{54}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{50}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{46}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{42}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{38}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{34}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{30}, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{26}, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{22}, 3^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^{18}, 3^{34}\})$	5726623062
6	$\mathcal{O}(0; \{2^{14}, 3^{37}\})$	45812984490
6	$\mathcal{O}(0; \{2^{10}, 3^{40}\})$	366503875926
6	$\mathcal{O}(0; \{2^6, 3^{43}\})$	2932031007402
6	$\mathcal{O}(0; \{2^2, 3^{46}\})$	23456248059222

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{59}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{55}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{51}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{47}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{43}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{39}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{35}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^{31}, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^{27}, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{23}, 3^{29}, 6\})$	357913942
6	$\mathcal{O}(0; \{2^{19}, 3^{32}, 6\})$	2863311530
6	$\mathcal{O}(0; \{2^{15}, 3^{35}, 6\})$	22906492246
6	$\mathcal{O}(0; \{2^{11}, 3^{38}, 6\})$	183251937962
6	$\mathcal{O}(0; \{2^7, 3^{41}, 6\})$	1466015503702
6	$\mathcal{O}(0; \{2^3, 3^{44}, 6\})$	11728124029610
6	$\mathcal{O}(0; \{2^{60}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{56}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{52}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{48}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{44}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{40}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{36}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^{32}, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^{28}, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^{24}, 3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{20}, 3^{30}, 6^2\})$	1431655766
6	$\mathcal{O}(0; \{2^{16}, 3^{33}, 6^2\})$	11453246122
6	$\mathcal{O}(0; \{2^{12}, 3^{36}, 6^2\})$	91625968982
6	$\mathcal{O}(0; \{2^8, 3^{39}, 6^2\})$	733007751850
6	$\mathcal{O}(0; \{2^4, 3^{42}, 6^2\})$	5864062014806
6	$\mathcal{O}(0; \{3^{45}, 6^2\})$	46912496118442
6	$\mathcal{O}(0; \{2^{57}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{53}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{49}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{45}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{41}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{37}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^{33}, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^{29}, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^{25}, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{21}, 3^{28}, 6^3\})$	715827882
6	$\mathcal{O}(0; \{2^{17}, 3^{31}, 6^3\})$	5726623062
6	$\mathcal{O}(0; \{2^{13}, 3^{34}, 6^3\})$	45812984490

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3^{37}, 6^3\})$	366503875926
6	$\mathcal{O}(0; \{2^5, 3^{40}, 6^3\})$	2932031007402
6	$\mathcal{O}(0; \{2, 3^{43}, 6^3\})$	23456248059222
6	$\mathcal{O}(0; \{2^{54}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{50}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{46}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{42}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{38}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{34}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^{30}, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{2^{26}, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{22}, 3^{26}, 6^4\})$	357913942
6	$\mathcal{O}(0; \{2^{18}, 3^{29}, 6^4\})$	2863311530
6	$\mathcal{O}(0; \{2^{14}, 3^{32}, 6^4\})$	22906492246
6	$\mathcal{O}(0; \{2^{10}, 3^{35}, 6^4\})$	183251937962
6	$\mathcal{O}(0; \{2^6, 3^{38}, 6^4\})$	1466015503702
6	$\mathcal{O}(0; \{2^2, 3^{41}, 6^4\})$	11728124029610
6	$\mathcal{O}(0; \{2^{55}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{51}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{47}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{43}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{39}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{35}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^{31}, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^{27}, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2^{23}, 3^{24}, 6^5\})$	178956970
6	$\mathcal{O}(0; \{2^{19}, 3^{27}, 6^5\})$	1431655766
6	$\mathcal{O}(0; \{2^{15}, 3^{30}, 6^5\})$	11453246122
6	$\mathcal{O}(0; \{2^{11}, 3^{33}, 6^5\})$	91625968982
6	$\mathcal{O}(0; \{2^7, 3^{36}, 6^5\})$	733007751850
6	$\mathcal{O}(0; \{2^3, 3^{39}, 6^5\})$	5864062014806
6	$\mathcal{O}(0; \{2^{52}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{48}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{44}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{40}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{36}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^{32}, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^{28}, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^{24}, 3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{20}, 3^{25}, 6^6\})$	715827882
6	$\mathcal{O}(0; \{2^{16}, 3^{28}, 6^6\})$	5726623062
6	$\mathcal{O}(0; \{2^{12}, 3^{31}, 6^6\})$	45812984490
6	$\mathcal{O}(0; \{2^8, 3^{34}, 6^6\})$	366503875926

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^{37}, 6^6\})$	2932031007402
6	$\mathcal{O}(0; \{3^{40}, 6^6\})$	23456248059222
6	$\mathcal{O}(0; \{2^{49}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{45}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{41}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{37}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{33}, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^{29}, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^{25}, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 3^{23}, 6^7\})$	357913942
6	$\mathcal{O}(0; \{2^{17}, 3^{26}, 6^7\})$	2863311530
6	$\mathcal{O}(0; \{2^{13}, 3^{29}, 6^7\})$	22906492246
6	$\mathcal{O}(0; \{2^9, 3^{32}, 6^7\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 3^{35}, 6^7\})$	1466015503702
6	$\mathcal{O}(0; \{2, 3^{38}, 6^7\})$	11728124029610
6	$\mathcal{O}(0; \{2^{50}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{46}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{42}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{38}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{34}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{30}, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{18}, 3^{24}, 6^8\})$	1431655766
6	$\mathcal{O}(0; \{2^{14}, 3^{27}, 6^8\})$	11453246122
6	$\mathcal{O}(0; \{2^{10}, 3^{30}, 6^8\})$	91625968982
6	$\mathcal{O}(0; \{2^6, 3^{33}, 6^8\})$	733007751850
6	$\mathcal{O}(0; \{2^2, 3^{36}, 6^8\})$	5864062014806
6	$\mathcal{O}(0; \{2^{47}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{43}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{39}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{35}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{31}, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{19}, 3^{22}, 6^9\})$	715827882
6	$\mathcal{O}(0; \{2^{15}, 3^{25}, 6^9\})$	5726623062
6	$\mathcal{O}(0; \{2^{11}, 3^{28}, 6^9\})$	45812984490
6	$\mathcal{O}(0; \{2^7, 3^{31}, 6^9\})$	366503875926
6	$\mathcal{O}(0; \{2^3, 3^{34}, 6^9\})$	2932031007402
6	$\mathcal{O}(0; \{2^{44}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{40}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{36}, 3^8, 6^{10}\})$	87382

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{32}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{28}, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^{20}, 6^{10}\})$	357913942
6	$\mathcal{O}(0; \{2^{16}, 3^{23}, 6^{10}\})$	2863311530
6	$\mathcal{O}(0; \{2^{12}, 3^{26}, 6^{10}\})$	22906492246
6	$\mathcal{O}(0; \{2^8, 3^{29}, 6^{10}\})$	183251937962
6	$\mathcal{O}(0; \{2^4, 3^{32}, 6^{10}\})$	1466015503702
6	$\mathcal{O}(0; \{3^{35}, 6^{10}\})$	11728124029610
6	$\mathcal{O}(0; \{2^{45}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{41}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{37}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{33}, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^{29}, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^{25}, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3^{18}, 6^{11}\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3^{21}, 6^{11}\})$	1431655766
6	$\mathcal{O}(0; \{2^{13}, 3^{24}, 6^{11}\})$	11453246122
6	$\mathcal{O}(0; \{2^9, 3^{27}, 6^{11}\})$	91625968982
6	$\mathcal{O}(0; \{2^5, 3^{30}, 6^{11}\})$	733007751850
6	$\mathcal{O}(0; \{2, 3^{33}, 6^{11}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{42}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{38}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{34}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^{30}, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{22}, 3^{16}, 6^{12}\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3^{19}, 6^{12}\})$	715827882
6	$\mathcal{O}(0; \{2^{14}, 3^{22}, 6^{12}\})$	5726623062
6	$\mathcal{O}(0; \{2^{10}, 3^{25}, 6^{12}\})$	45812984490
6	$\mathcal{O}(0; \{2^6, 3^{28}, 6^{12}\})$	366503875926
6	$\mathcal{O}(0; \{2^2, 3^{31}, 6^{12}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{39}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{35}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^{31}, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^{27}, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{23}, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3^{17}, 6^{13}\})$	357913942
6	$\mathcal{O}(0; \{2^{15}, 3^{20}, 6^{13}\})$	2863311530
6	$\mathcal{O}(0; \{2^{11}, 3^{23}, 6^{13}\})$	22906492246
6	$\mathcal{O}(0; \{2^7, 3^{26}, 6^{13}\})$	183251937962
6	$\mathcal{O}(0; \{2^3, 3^{29}, 6^{13}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{40}, 6^{14}\})$	5462

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{36}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{32}, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^{28}, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^{24}, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3^{15}, 6^{14}\})$	178956970
6	$\mathcal{O}(0; \{2^{16}, 3^{18}, 6^{14}\})$	1431655766
6	$\mathcal{O}(0; \{2^{12}, 3^{21}, 6^{14}\})$	11453246122
6	$\mathcal{O}(0; \{2^8, 3^{24}, 6^{14}\})$	91625968982
6	$\mathcal{O}(0; \{2^4, 3^{27}, 6^{14}\})$	733007751850
6	$\mathcal{O}(0; \{3^{30}, 6^{14}\})$	5864062014806
6	$\mathcal{O}(0; \{2^{37}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{33}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^{29}, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^{25}, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{21}, 3^{13}, 6^{15}\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^{16}, 6^{15}\})$	715827882
6	$\mathcal{O}(0; \{2^{13}, 3^{19}, 6^{15}\})$	5726623062
6	$\mathcal{O}(0; \{2^9, 3^{22}, 6^{15}\})$	45812984490
6	$\mathcal{O}(0; \{2^5, 3^{25}, 6^{15}\})$	366503875926
6	$\mathcal{O}(0; \{2, 3^{28}, 6^{15}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{34}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^{30}, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^{26}, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^{22}, 3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^{14}, 6^{16}\})$	357913942
6	$\mathcal{O}(0; \{2^{14}, 3^{17}, 6^{16}\})$	2863311530
6	$\mathcal{O}(0; \{2^{10}, 3^{20}, 6^{16}\})$	22906492246
6	$\mathcal{O}(0; \{2^6, 3^{23}, 6^{16}\})$	183251937962
6	$\mathcal{O}(0; \{2^2, 3^{26}, 6^{16}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{35}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{31}, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^{27}, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^{23}, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^{12}, 6^{17}\})$	178956970
6	$\mathcal{O}(0; \{2^{15}, 3^{15}, 6^{17}\})$	1431655766
6	$\mathcal{O}(0; \{2^{11}, 3^{18}, 6^{17}\})$	11453246122
6	$\mathcal{O}(0; \{2^7, 3^{21}, 6^{17}\})$	91625968982
6	$\mathcal{O}(0; \{2^3, 3^{24}, 6^{17}\})$	733007751850
6	$\mathcal{O}(0; \{2^{32}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^{28}, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^{24}, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^{10}, 6^{18}\})$	89478486
6	$\mathcal{O}(0; \{2^{16}, 3^{13}, 6^{18}\})$	715827882

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{12}, 3^{16}, 6^{18}\})$	5726623062
6	$\mathcal{O}(0; \{2^8, 3^{19}, 6^{18}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^{22}, 6^{18}\})$	366503875926
6	$\mathcal{O}(0; \{3^{25}, 6^{18}\})$	2932031007402
6	$\mathcal{O}(0; \{2^{29}, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^{25}, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^{21}, 3^8, 6^{19}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3^{11}, 6^{19}\})$	357913942
6	$\mathcal{O}(0; \{2^{13}, 3^{14}, 6^{19}\})$	2863311530
6	$\mathcal{O}(0; \{2^9, 3^{17}, 6^{19}\})$	22906492246
6	$\mathcal{O}(0; \{2^5, 3^{20}, 6^{19}\})$	183251937962
6	$\mathcal{O}(0; \{2, 3^{23}, 6^{19}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{30}, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{26}, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^{22}, 3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3^9, 6^{20}\})$	178956970
6	$\mathcal{O}(0; \{2^{14}, 3^{12}, 6^{20}\})$	1431655766
6	$\mathcal{O}(0; \{2^{10}, 3^{15}, 6^{20}\})$	11453246122
6	$\mathcal{O}(0; \{2^6, 3^{18}, 6^{20}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3^{21}, 6^{20}\})$	733007751850
6	$\mathcal{O}(0; \{2^{27}, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2^{23}, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3^7, 6^{21}\})$	89478486
6	$\mathcal{O}(0; \{2^{15}, 3^{10}, 6^{21}\})$	715827882
6	$\mathcal{O}(0; \{2^{11}, 3^{13}, 6^{21}\})$	5726623062
6	$\mathcal{O}(0; \{2^7, 3^{16}, 6^{21}\})$	45812984490
6	$\mathcal{O}(0; \{2^3, 3^{19}, 6^{21}\})$	366503875926
6	$\mathcal{O}(0; \{2^{24}, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3^5, 6^{22}\})$	44739242
6	$\mathcal{O}(0; \{2^{16}, 3^8, 6^{22}\})$	357913942
6	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6^{22}\})$	2863311530
6	$\mathcal{O}(0; \{2^8, 3^{14}, 6^{22}\})$	22906492246
6	$\mathcal{O}(0; \{2^4, 3^{17}, 6^{22}\})$	183251937962
6	$\mathcal{O}(0; \{3^{20}, 6^{22}\})$	1466015503702
6	$\mathcal{O}(0; \{2^{25}, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{21}, 3^3, 6^{23}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^6, 6^{23}\})$	178956970
6	$\mathcal{O}(0; \{2^{13}, 3^9, 6^{23}\})$	1431655766
6	$\mathcal{O}(0; \{2^9, 3^{12}, 6^{23}\})$	11453246122
6	$\mathcal{O}(0; \{2^5, 3^{15}, 6^{23}\})$	91625968982
6	$\mathcal{O}(0; \{2, 3^{18}, 6^{23}\})$	733007751850
6	$\mathcal{O}(0; \{2^{22}, 3, 6^{24}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^4, 6^{24}\})$	89478486

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{14}, 3^7, 6^{24}\})$	715827882
6	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^{24}\})$	5726623062
6	$\mathcal{O}(0; \{2^6, 3^{13}, 6^{24}\})$	45812984490
6	$\mathcal{O}(0; \{2^2, 3^{16}, 6^{24}\})$	366503875926
6	$\mathcal{O}(0; \{2^{19}, 3^2, 6^{25}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^5, 6^{25}\})$	357913942
6	$\mathcal{O}(0; \{2^{11}, 3^8, 6^{25}\})$	2863311530
6	$\mathcal{O}(0; \{2^7, 3^{11}, 6^{25}\})$	22906492246
6	$\mathcal{O}(0; \{2^3, 3^{14}, 6^{25}\})$	183251937962
6	$\mathcal{O}(0; \{2^{20}, 6^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^3, 6^{26}\})$	178956970
6	$\mathcal{O}(0; \{2^{12}, 3^6, 6^{26}\})$	1431655766
6	$\mathcal{O}(0; \{2^8, 3^9, 6^{26}\})$	11453246122
6	$\mathcal{O}(0; \{2^4, 3^{12}, 6^{26}\})$	91625968982
6	$\mathcal{O}(0; \{3^{15}, 6^{26}\})$	733007751850
6	$\mathcal{O}(0; \{2^{17}, 3, 6^{27}\})$	89478486
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6^{27}\})$	715827882
6	$\mathcal{O}(0; \{2^9, 3^7, 6^{27}\})$	5726623062
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6^{27}\})$	45812984490
6	$\mathcal{O}(0; \{2, 3^{13}, 6^{27}\})$	366503875926
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^{28}\})$	357913942
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^{28}\})$	2863311530
6	$\mathcal{O}(0; \{2^6, 3^8, 6^{28}\})$	22906492246
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^{28}\})$	183251937962
6	$\mathcal{O}(0; \{2^{15}, 6^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^{29}\})$	1431655766
6	$\mathcal{O}(0; \{2^7, 3^6, 6^{29}\})$	11453246122
6	$\mathcal{O}(0; \{2^3, 3^9, 6^{29}\})$	91625968982
6	$\mathcal{O}(0; \{2^{12}, 3, 6^{30}\})$	715827882
6	$\mathcal{O}(0; \{2^8, 3^4, 6^{30}\})$	5726623062
6	$\mathcal{O}(0; \{2^4, 3^7, 6^{30}\})$	45812984490
6	$\mathcal{O}(0; \{3^{10}, 6^{30}\})$	366503875926
6	$\mathcal{O}(0; \{2^9, 3^2, 6^{31}\})$	2863311530
6	$\mathcal{O}(0; \{2^5, 3^5, 6^{31}\})$	22906492246
6	$\mathcal{O}(0; \{2, 3^8, 6^{31}\})$	183251937962
6	$\mathcal{O}(0; \{2^{10}, 6^{32}\})$	1431655766
6	$\mathcal{O}(0; \{2^6, 3^3, 6^{32}\})$	11453246122
6	$\mathcal{O}(0; \{2^2, 3^6, 6^{32}\})$	91625968982
6	$\mathcal{O}(0; \{2^7, 3, 6^{33}\})$	5726623062
6	$\mathcal{O}(0; \{2^3, 3^4, 6^{33}\})$	45812984490
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{34}\})$	22906492246
6	$\mathcal{O}(0; \{3^5, 6^{34}\})$	183251937962
6	$\mathcal{O}(0; \{2^5, 6^{35}\})$	11453246122

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2, 3^3, 6^{35}\})$	91625968982
6	$\mathcal{O}(0; \{2^2, 3, 6^{36}\})$	45812984490
6	$\mathcal{O}(0; \{6^{38}\})$	91625968982
7	$\mathcal{O}(12; \{7^4\})$	35634109036785353078586
7	$\mathcal{O}(9; \{7^{11}\})$	84397664214542437339350
7	$\mathcal{O}(6; \{7^{18}\})$	200817218338392004209546
7	$\mathcal{O}(3; \{7^{25}\})$	477827850919028490925590
7	$\mathcal{O}(0; \{7^{32}\})$	1136951587135200126341706
8	$\mathcal{O}(11; \{2, 8^2\})$	295147905179352825856
8	$\mathcal{O}(10; \{2^5, 8^2\})$	4611686018427387904
8	$\mathcal{O}(10; \{2^2, 4^2, 8^2\})$	18446744073709551616
8	$\mathcal{O}(10; \{4, 8^4\})$	147573952589676412928
8	$\mathcal{O}(9; \{2^9, 8^2\})$	72057594037927936
8	$\mathcal{O}(9; \{2^6, 4^2, 8^2\})$	288230376151711744
8	$\mathcal{O}(9; \{2^3, 4^4, 8^2\})$	1152921504606846976
8	$\mathcal{O}(9; \{4^6, 8^2\})$	4611686018427387904
8	$\mathcal{O}(9; \{2^4, 4, 8^4\})$	2305843009213693952
8	$\mathcal{O}(9; \{2, 4^3, 8^4\})$	9223372036854775808
8	$\mathcal{O}(9; \{2^2, 8^6\})$	18446744073709551616
8	$\mathcal{O}(8; \{2^{13}, 8^2\})$	1125899906842624
8	$\mathcal{O}(8; \{2^{10}, 4^2, 8^2\})$	4503599627370496
8	$\mathcal{O}(8; \{2^7, 4^4, 8^2\})$	18014398509481984
8	$\mathcal{O}(8; \{2^4, 4^6, 8^2\})$	72057594037927936
8	$\mathcal{O}(8; \{2, 4^8, 8^2\})$	288230376151711744
8	$\mathcal{O}(8; \{2^8, 4, 8^4\})$	36028797018963968
8	$\mathcal{O}(8; \{2^5, 4^3, 8^4\})$	144115188075855872
8	$\mathcal{O}(8; \{2^2, 4^5, 8^4\})$	576460752303423488
8	$\mathcal{O}(8; \{2^6, 8^6\})$	288230376151711744
8	$\mathcal{O}(8; \{2^3, 4^2, 8^6\})$	1152921504606846976
8	$\mathcal{O}(8; \{4^4, 8^6\})$	4611686018427387904
8	$\mathcal{O}(8; \{2, 4, 8^8\})$	9223372036854775808
8	$\mathcal{O}(7; \{2^{17}, 8^2\})$	17592186044416
8	$\mathcal{O}(7; \{2^{14}, 4^2, 8^2\})$	70368744177664
8	$\mathcal{O}(7; \{2^{11}, 4^4, 8^2\})$	281474976710656
8	$\mathcal{O}(7; \{2^8, 4^6, 8^2\})$	1125899906842624
8	$\mathcal{O}(7; \{2^5, 4^8, 8^2\})$	4503599627370496
8	$\mathcal{O}(7; \{2^2, 4^{10}, 8^2\})$	18014398509481984
8	$\mathcal{O}(7; \{2^{12}, 4, 8^4\})$	562949953421312
8	$\mathcal{O}(7; \{2^9, 4^3, 8^4\})$	2251799813685248
8	$\mathcal{O}(7; \{2^6, 4^5, 8^4\})$	9007199254740992
8	$\mathcal{O}(7; \{2^3, 4^7, 8^4\})$	36028797018963968
8	$\mathcal{O}(7; \{4^9, 8^4\})$	144115188075855872
8	$\mathcal{O}(7; \{2^{10}, 8^6\})$	4503599627370496

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(7; \{2^7, 4^2, 8^6\})$	18014398509481984
8	$\mathcal{O}(7; \{2^4, 4^4, 8^6\})$	72057594037927936
8	$\mathcal{O}(7; \{2, 4^6, 8^6\})$	288230376151711744
8	$\mathcal{O}(7; \{2^5, 4, 8^8\})$	144115188075855872
8	$\mathcal{O}(7; \{2^2, 4^3, 8^8\})$	576460752303423488
8	$\mathcal{O}(7; \{2^3, 8^{10}\})$	1152921504606846976
8	$\mathcal{O}(7; \{4^2, 8^{10}\})$	4611686018427387904
8	$\mathcal{O}(6; \{2^{21}, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^{18}, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{2^{15}, 4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2^{12}, 4^6, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^9, 4^8, 8^2\})$	70368744177664
8	$\mathcal{O}(6; \{2^6, 4^{10}, 8^2\})$	281474976710656
8	$\mathcal{O}(6; \{2^3, 4^{12}, 8^2\})$	1125899906842624
8	$\mathcal{O}(6; \{4^{14}, 8^2\})$	4503599627370496
8	$\mathcal{O}(6; \{2^{16}, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(6; \{2^{13}, 4^3, 8^4\})$	35184372088832
8	$\mathcal{O}(6; \{2^{10}, 4^5, 8^4\})$	140737488355328
8	$\mathcal{O}(6; \{2^7, 4^7, 8^4\})$	562949953421312
8	$\mathcal{O}(6; \{2^4, 4^9, 8^4\})$	2251799813685248
8	$\mathcal{O}(6; \{2, 4^{11}, 8^4\})$	9007199254740992
8	$\mathcal{O}(6; \{2^{14}, 8^6\})$	70368744177664
8	$\mathcal{O}(6; \{2^{11}, 4^2, 8^6\})$	281474976710656
8	$\mathcal{O}(6; \{2^8, 4^4, 8^6\})$	1125899906842624
8	$\mathcal{O}(6; \{2^5, 4^6, 8^6\})$	4503599627370496
8	$\mathcal{O}(6; \{2^2, 4^8, 8^6\})$	18014398509481984
8	$\mathcal{O}(6; \{2^9, 4, 8^8\})$	2251799813685248
8	$\mathcal{O}(6; \{2^6, 4^3, 8^8\})$	9007199254740992
8	$\mathcal{O}(6; \{2^3, 4^5, 8^8\})$	36028797018963968
8	$\mathcal{O}(6; \{4^7, 8^8\})$	144115188075855872
8	$\mathcal{O}(6; \{2^7, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(6; \{2^4, 4^2, 8^{10}\})$	72057594037927936
8	$\mathcal{O}(6; \{2, 4^4, 8^{10}\})$	288230376151711744
8	$\mathcal{O}(6; \{2^2, 4, 8^{12}\})$	576460752303423488
8	$\mathcal{O}(6; \{8^{14}\})$	4611686018427387904
8	$\mathcal{O}(5; \{2^{25}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^{22}, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^{19}, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^{16}, 4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^{13}, 4^8, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^{10}, 4^{10}, 8^2\})$	4398046511104
8	$\mathcal{O}(5; \{2^7, 4^{12}, 8^2\})$	17592186044416
8	$\mathcal{O}(5; \{2^4, 4^{14}, 8^2\})$	70368744177664

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2, 4^{16}, 8^2\})$	281474976710656
8	$\mathcal{O}(5; \{2^{20}, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^{17}, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^{14}, 4^5, 8^4\})$	2199023255552
8	$\mathcal{O}(5; \{2^{11}, 4^7, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^8, 4^9, 8^4\})$	35184372088832
8	$\mathcal{O}(5; \{2^5, 4^{11}, 8^4\})$	140737488355328
8	$\mathcal{O}(5; \{2^2, 4^{13}, 8^4\})$	562949953421312
8	$\mathcal{O}(5; \{2^{18}, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{2^{15}, 4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(5; \{2^{12}, 4^4, 8^6\})$	17592186044416
8	$\mathcal{O}(5; \{2^9, 4^6, 8^6\})$	70368744177664
8	$\mathcal{O}(5; \{2^6, 4^8, 8^6\})$	281474976710656
8	$\mathcal{O}(5; \{2^3, 4^{10}, 8^6\})$	1125899906842624
8	$\mathcal{O}(5; \{4^{12}, 8^6\})$	4503599627370496
8	$\mathcal{O}(5; \{2^{13}, 4, 8^8\})$	35184372088832
8	$\mathcal{O}(5; \{2^{10}, 4^3, 8^8\})$	140737488355328
8	$\mathcal{O}(5; \{2^7, 4^5, 8^8\})$	562949953421312
8	$\mathcal{O}(5; \{2^4, 4^7, 8^8\})$	2251799813685248
8	$\mathcal{O}(5; \{2, 4^9, 8^8\})$	9007199254740992
8	$\mathcal{O}(5; \{2^{11}, 8^{10}\})$	281474976710656
8	$\mathcal{O}(5; \{2^8, 4^2, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(5; \{2^5, 4^4, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(5; \{2^2, 4^6, 8^{10}\})$	18014398509481984
8	$\mathcal{O}(5; \{2^6, 4, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(5; \{2^3, 4^3, 8^{12}\})$	36028797018963968
8	$\mathcal{O}(5; \{4^5, 8^{12}\})$	144115188075855872
8	$\mathcal{O}(5; \{2^4, 8^{14}\})$	72057594037927936
8	$\mathcal{O}(5; \{2, 4^2, 8^{14}\})$	288230376151711744
8	$\mathcal{O}(4; \{2^{29}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{26}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^{23}, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^{20}, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^{17}, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^{14}, 4^{10}, 8^2\})$	68719476736
8	$\mathcal{O}(4; \{2^{11}, 4^{12}, 8^2\})$	274877906944
8	$\mathcal{O}(4; \{2^8, 4^{14}, 8^2\})$	1099511627776
8	$\mathcal{O}(4; \{2^5, 4^{16}, 8^2\})$	4398046511104
8	$\mathcal{O}(4; \{2^2, 4^{18}, 8^2\})$	17592186044416
8	$\mathcal{O}(4; \{2^{24}, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^{21}, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^{18}, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^{15}, 4^7, 8^4\})$	137438953472

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^{12}, 4^9, 8^4\})$	549755813888
8	$\mathcal{O}(4; \{2^9, 4^{11}, 8^4\})$	2199023255552
8	$\mathcal{O}(4; \{2^6, 4^{13}, 8^4\})$	8796093022208
8	$\mathcal{O}(4; \{2^3, 4^{15}, 8^4\})$	35184372088832
8	$\mathcal{O}(4; \{4^{17}, 8^4\})$	140737488355328
8	$\mathcal{O}(4; \{2^{22}, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^{19}, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2^{16}, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^{13}, 4^6, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^{10}, 4^8, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^7, 4^{10}, 8^6\})$	17592186044416
8	$\mathcal{O}(4; \{2^4, 4^{12}, 8^6\})$	70368744177664
8	$\mathcal{O}(4; \{2, 4^{14}, 8^6\})$	281474976710656
8	$\mathcal{O}(4; \{2^{17}, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{2^{14}, 4^3, 8^8\})$	2199023255552
8	$\mathcal{O}(4; \{2^{11}, 4^5, 8^8\})$	8796093022208
8	$\mathcal{O}(4; \{2^8, 4^7, 8^8\})$	35184372088832
8	$\mathcal{O}(4; \{2^5, 4^9, 8^8\})$	140737488355328
8	$\mathcal{O}(4; \{2^2, 4^{11}, 8^8\})$	562949953421312
8	$\mathcal{O}(4; \{2^{15}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(4; \{2^{12}, 4^2, 8^{10}\})$	17592186044416
8	$\mathcal{O}(4; \{2^9, 4^4, 8^{10}\})$	70368744177664
8	$\mathcal{O}(4; \{2^6, 4^6, 8^{10}\})$	281474976710656
8	$\mathcal{O}(4; \{2^3, 4^8, 8^{10}\})$	1125899906842624
8	$\mathcal{O}(4; \{4^{10}, 8^{10}\})$	4503599627370496
8	$\mathcal{O}(4; \{2^{10}, 4, 8^{12}\})$	140737488355328
8	$\mathcal{O}(4; \{2^7, 4^3, 8^{12}\})$	562949953421312
8	$\mathcal{O}(4; \{2^4, 4^5, 8^{12}\})$	2251799813685248
8	$\mathcal{O}(4; \{2, 4^7, 8^{12}\})$	9007199254740992
8	$\mathcal{O}(4; \{2^8, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(4; \{2^5, 4^2, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(4; \{2^2, 4^4, 8^{14}\})$	18014398509481984
8	$\mathcal{O}(4; \{2^3, 4, 8^{16}\})$	36028797018963968
8	$\mathcal{O}(4; \{4^3, 8^{16}\})$	144115188075855872
8	$\mathcal{O}(4; \{2, 8^{18}\})$	288230376151711744
8	$\mathcal{O}(3; \{2^{33}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{30}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{27}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^{24}, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^{21}, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^{18}, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{15}, 4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^{12}, 4^{14}, 8^2\})$	17179869184

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^9, 4^{16}, 8^2\})$	68719476736
8	$\mathcal{O}(3; \{2^6, 4^{18}, 8^2\})$	274877906944
8	$\mathcal{O}(3; \{2^3, 4^{20}, 8^2\})$	1099511627776
8	$\mathcal{O}(3; \{4^{22}, 8^2\})$	4398046511104
8	$\mathcal{O}(3; \{2^{28}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^{25}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^{22}, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^{19}, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{2^{16}, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{13}, 4^{11}, 8^4\})$	34359738368
8	$\mathcal{O}(3; \{2^{10}, 4^{13}, 8^4\})$	137438953472
8	$\mathcal{O}(3; \{2^7, 4^{15}, 8^4\})$	549755813888
8	$\mathcal{O}(3; \{2^4, 4^{17}, 8^4\})$	2199023255552
8	$\mathcal{O}(3; \{2, 4^{19}, 8^4\})$	8796093022208
8	$\mathcal{O}(3; \{2^{26}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^{23}, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^{20}, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^{17}, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{14}, 4^8, 8^6\})$	68719476736
8	$\mathcal{O}(3; \{2^{11}, 4^{10}, 8^6\})$	274877906944
8	$\mathcal{O}(3; \{2^8, 4^{12}, 8^6\})$	1099511627776
8	$\mathcal{O}(3; \{2^5, 4^{14}, 8^6\})$	4398046511104
8	$\mathcal{O}(3; \{2^2, 4^{16}, 8^6\})$	17592186044416
8	$\mathcal{O}(3; \{2^{21}, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^{18}, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^{15}, 4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^{12}, 4^7, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^9, 4^9, 8^8\})$	2199023255552
8	$\mathcal{O}(3; \{2^6, 4^{11}, 8^8\})$	8796093022208
8	$\mathcal{O}(3; \{2^3, 4^{13}, 8^8\})$	35184372088832
8	$\mathcal{O}(3; \{4^{15}, 8^8\})$	140737488355328
8	$\mathcal{O}(3; \{2^{19}, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2^{16}, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(3; \{2^{13}, 4^4, 8^{10}\})$	1099511627776
8	$\mathcal{O}(3; \{2^{10}, 4^6, 8^{10}\})$	4398046511104
8	$\mathcal{O}(3; \{2^7, 4^8, 8^{10}\})$	17592186044416
8	$\mathcal{O}(3; \{2^4, 4^{10}, 8^{10}\})$	70368744177664
8	$\mathcal{O}(3; \{2, 4^{12}, 8^{10}\})$	281474976710656
8	$\mathcal{O}(3; \{2^{14}, 4, 8^{12}\})$	2199023255552
8	$\mathcal{O}(3; \{2^{11}, 4^3, 8^{12}\})$	8796093022208
8	$\mathcal{O}(3; \{2^8, 4^5, 8^{12}\})$	35184372088832
8	$\mathcal{O}(3; \{2^5, 4^7, 8^{12}\})$	140737488355328
8	$\mathcal{O}(3; \{2^2, 4^9, 8^{12}\})$	562949953421312

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{12}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(3; \{2^9, 4^2, 8^{14}\})$	70368744177664
8	$\mathcal{O}(3; \{2^6, 4^4, 8^{14}\})$	281474976710656
8	$\mathcal{O}(3; \{2^3, 4^6, 8^{14}\})$	1125899906842624
8	$\mathcal{O}(3; \{4^8, 8^{14}\})$	4503599627370496
8	$\mathcal{O}(3; \{2^7, 4, 8^{16}\})$	562949953421312
8	$\mathcal{O}(3; \{2^4, 4^3, 8^{16}\})$	2251799813685248
8	$\mathcal{O}(3; \{2, 4^5, 8^{16}\})$	9007199254740992
8	$\mathcal{O}(3; \{2^5, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(3; \{2^2, 4^2, 8^{18}\})$	18014398509481984
8	$\mathcal{O}(3; \{4, 8^{20}\})$	144115188075855872
8	$\mathcal{O}(2; \{2^{37}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{34}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{31}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{28}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{25}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^{22}, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{19}, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2^{16}, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{13}, 4^{16}, 8^2\})$	1073741824
8	$\mathcal{O}(2; \{2^{10}, 4^{18}, 8^2\})$	4294967296
8	$\mathcal{O}(2; \{2^7, 4^{20}, 8^2\})$	17179869184
8	$\mathcal{O}(2; \{2^4, 4^{22}, 8^2\})$	68719476736
8	$\mathcal{O}(2; \{2, 4^{24}, 8^2\})$	274877906944
8	$\mathcal{O}(2; \{2^{32}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{29}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{26}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^{23}, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^{20}, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{17}, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{14}, 4^{13}, 8^4\})$	2147483648
8	$\mathcal{O}(2; \{2^{11}, 4^{15}, 8^4\})$	8589934592
8	$\mathcal{O}(2; \{2^8, 4^{17}, 8^4\})$	34359738368
8	$\mathcal{O}(2; \{2^5, 4^{19}, 8^4\})$	137438953472
8	$\mathcal{O}(2; \{2^2, 4^{21}, 8^4\})$	549755813888
8	$\mathcal{O}(2; \{2^{30}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{27}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^{24}, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^{21}, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^{18}, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^{15}, 4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^{12}, 4^{12}, 8^6\})$	17179869184
8	$\mathcal{O}(2; \{2^9, 4^{14}, 8^6\})$	68719476736

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^6, 4^{16}, 8^6\})$	274877906944
8	$\mathcal{O}(2; \{2^3, 4^{18}, 8^6\})$	1099511627776
8	$\mathcal{O}(2; \{4^{20}, 8^6\})$	4398046511104
8	$\mathcal{O}(2; \{2^{25}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^{22}, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^{19}, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^{16}, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{13}, 4^9, 8^8\})$	34359738368
8	$\mathcal{O}(2; \{2^{10}, 4^{11}, 8^8\})$	137438953472
8	$\mathcal{O}(2; \{2^7, 4^{13}, 8^8\})$	549755813888
8	$\mathcal{O}(2; \{2^4, 4^{15}, 8^8\})$	2199023255552
8	$\mathcal{O}(2; \{2, 4^{17}, 8^8\})$	8796093022208
8	$\mathcal{O}(2; \{2^{23}, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^{20}, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^{17}, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^{14}, 4^6, 8^{10}\})$	68719476736
8	$\mathcal{O}(2; \{2^{11}, 4^8, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^8, 4^{10}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(2; \{2^5, 4^{12}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(2; \{2^2, 4^{14}, 8^{10}\})$	17592186044416
8	$\mathcal{O}(2; \{2^{18}, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{2^{15}, 4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2^{12}, 4^5, 8^{12}\})$	549755813888
8	$\mathcal{O}(2; \{2^9, 4^7, 8^{12}\})$	2199023255552
8	$\mathcal{O}(2; \{2^6, 4^9, 8^{12}\})$	8796093022208
8	$\mathcal{O}(2; \{2^3, 4^{11}, 8^{12}\})$	35184372088832
8	$\mathcal{O}(2; \{4^{13}, 8^{12}\})$	140737488355328
8	$\mathcal{O}(2; \{2^{16}, 8^{14}\})$	274877906944
8	$\mathcal{O}(2; \{2^{13}, 4^2, 8^{14}\})$	1099511627776
8	$\mathcal{O}(2; \{2^{10}, 4^4, 8^{14}\})$	4398046511104
8	$\mathcal{O}(2; \{2^7, 4^6, 8^{14}\})$	17592186044416
8	$\mathcal{O}(2; \{2^4, 4^8, 8^{14}\})$	70368744177664
8	$\mathcal{O}(2; \{2, 4^{10}, 8^{14}\})$	281474976710656
8	$\mathcal{O}(2; \{2^{11}, 4, 8^{16}\})$	8796093022208
8	$\mathcal{O}(2; \{2^8, 4^3, 8^{16}\})$	35184372088832
8	$\mathcal{O}(2; \{2^5, 4^5, 8^{16}\})$	140737488355328
8	$\mathcal{O}(2; \{2^2, 4^7, 8^{16}\})$	562949953421312
8	$\mathcal{O}(2; \{2^9, 8^{18}\})$	70368744177664
8	$\mathcal{O}(2; \{2^6, 4^2, 8^{18}\})$	281474976710656
8	$\mathcal{O}(2; \{2^3, 4^4, 8^{18}\})$	1125899906842624
8	$\mathcal{O}(2; \{4^6, 8^{18}\})$	4503599627370496
8	$\mathcal{O}(2; \{2^4, 4, 8^{20}\})$	2251799813685248
8	$\mathcal{O}(2; \{2, 4^3, 8^{20}\})$	9007199254740992

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^2, 8^{22}\})$	18014398509481984
8	$\mathcal{O}(1; \{2^{41}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{38}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{35}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{32}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{29}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{26}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^{23}, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^{20}, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{17}, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{14}, 4^{18}, 8^2\})$	67108864
8	$\mathcal{O}(1; \{2^{11}, 4^{20}, 8^2\})$	268435456
8	$\mathcal{O}(1; \{2^8, 4^{22}, 8^2\})$	1073741824
8	$\mathcal{O}(1; \{2^5, 4^{24}, 8^2\})$	4294967296
8	$\mathcal{O}(1; \{2^2, 4^{26}, 8^2\})$	17179869184
8	$\mathcal{O}(1; \{2^{36}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{33}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{30}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{27}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^{24}, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^{21}, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{18}, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{15}, 4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^{12}, 4^{17}, 8^4\})$	536870912
8	$\mathcal{O}(1; \{2^9, 4^{19}, 8^4\})$	2147483648
8	$\mathcal{O}(1; \{2^6, 4^{21}, 8^4\})$	8589934592
8	$\mathcal{O}(1; \{2^3, 4^{23}, 8^4\})$	34359738368
8	$\mathcal{O}(1; \{4^{25}, 8^4\})$	137438953472
8	$\mathcal{O}(1; \{2^{34}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{31}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{28}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{25}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{22}, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^{19}, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{16}, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{13}, 4^{14}, 8^6\})$	1073741824
8	$\mathcal{O}(1; \{2^{10}, 4^{16}, 8^6\})$	4294967296
8	$\mathcal{O}(1; \{2^7, 4^{18}, 8^6\})$	17179869184
8	$\mathcal{O}(1; \{2^4, 4^{20}, 8^6\})$	68719476736
8	$\mathcal{O}(1; \{2, 4^{22}, 8^6\})$	274877906944
8	$\mathcal{O}(1; \{2^{29}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{26}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^{23}, 4^5, 8^8\})$	33554432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{20}, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^{17}, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{14}, 4^{11}, 8^8\})$	2147483648
8	$\mathcal{O}(1; \{2^{11}, 4^{13}, 8^8\})$	8589934592
8	$\mathcal{O}(1; \{2^8, 4^{15}, 8^8\})$	34359738368
8	$\mathcal{O}(1; \{2^5, 4^{17}, 8^8\})$	137438953472
8	$\mathcal{O}(1; \{2^2, 4^{19}, 8^8\})$	549755813888
8	$\mathcal{O}(1; \{2^{27}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^{24}, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^{21}, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^{18}, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{15}, 4^8, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^{12}, 4^{10}, 8^{10}\})$	17179869184
8	$\mathcal{O}(1; \{2^9, 4^{12}, 8^{10}\})$	68719476736
8	$\mathcal{O}(1; \{2^6, 4^{14}, 8^{10}\})$	274877906944
8	$\mathcal{O}(1; \{2^3, 4^{16}, 8^{10}\})$	1099511627776
8	$\mathcal{O}(1; \{4^{18}, 8^{10}\})$	4398046511104
8	$\mathcal{O}(1; \{2^{22}, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^{19}, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^{16}, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^{13}, 4^7, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^{10}, 4^9, 8^{12}\})$	137438953472
8	$\mathcal{O}(1; \{2^7, 4^{11}, 8^{12}\})$	549755813888
8	$\mathcal{O}(1; \{2^4, 4^{13}, 8^{12}\})$	2199023255552
8	$\mathcal{O}(1; \{2, 4^{15}, 8^{12}\})$	8796093022208
8	$\mathcal{O}(1; \{2^{20}, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^{17}, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{2^{14}, 4^4, 8^{14}\})$	68719476736
8	$\mathcal{O}(1; \{2^{11}, 4^6, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^8, 4^8, 8^{14}\})$	1099511627776
8	$\mathcal{O}(1; \{2^5, 4^{10}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(1; \{2^2, 4^{12}, 8^{14}\})$	17592186044416
8	$\mathcal{O}(1; \{2^{15}, 4, 8^{16}\})$	137438953472
8	$\mathcal{O}(1; \{2^{12}, 4^3, 8^{16}\})$	549755813888
8	$\mathcal{O}(1; \{2^9, 4^5, 8^{16}\})$	2199023255552
8	$\mathcal{O}(1; \{2^6, 4^7, 8^{16}\})$	8796093022208
8	$\mathcal{O}(1; \{2^3, 4^9, 8^{16}\})$	35184372088832
8	$\mathcal{O}(1; \{4^{11}, 8^{16}\})$	140737488355328
8	$\mathcal{O}(1; \{2^{13}, 8^{18}\})$	1099511627776
8	$\mathcal{O}(1; \{2^{10}, 4^2, 8^{18}\})$	4398046511104
8	$\mathcal{O}(1; \{2^7, 4^4, 8^{18}\})$	17592186044416
8	$\mathcal{O}(1; \{2^4, 4^6, 8^{18}\})$	70368744177664
8	$\mathcal{O}(1; \{2, 4^8, 8^{18}\})$	281474976710656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^8, 4, 8^{20}\})$	35184372088832
8	$\mathcal{O}(1; \{2^5, 4^3, 8^{20}\})$	140737488355328
8	$\mathcal{O}(1; \{2^2, 4^5, 8^{20}\})$	562949953421312
8	$\mathcal{O}(1; \{2^6, 8^{22}\})$	281474976710656
8	$\mathcal{O}(1; \{2^3, 4^2, 8^{22}\})$	1125899906842624
8	$\mathcal{O}(1; \{4^4, 8^{22}\})$	4503599627370496
8	$\mathcal{O}(1; \{2, 4, 8^{24}\})$	9007199254740992
8	$\mathcal{O}(0; \{2^{45}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{42}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{39}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{36}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{33}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{30}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{27}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^{24}, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{21}, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{18}, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{15}, 4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^{12}, 4^{22}, 8^2\})$	16777216
8	$\mathcal{O}(0; \{2^9, 4^{24}, 8^2\})$	67108864
8	$\mathcal{O}(0; \{2^6, 4^{26}, 8^2\})$	268435456
8	$\mathcal{O}(0; \{2^3, 4^{28}, 8^2\})$	1073741824
8	$\mathcal{O}(0; \{4^{30}, 8^2\})$	4294967296
8	$\mathcal{O}(0; \{2^{40}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{37}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{34}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{31}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{28}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{25}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{22}, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{19}, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{16}, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{13}, 4^{19}, 8^4\})$	33554432
8	$\mathcal{O}(0; \{2^{10}, 4^{21}, 8^4\})$	134217728
8	$\mathcal{O}(0; \{2^7, 4^{23}, 8^4\})$	536870912
8	$\mathcal{O}(0; \{2^4, 4^{25}, 8^4\})$	2147483648
8	$\mathcal{O}(0; \{2, 4^{27}, 8^4\})$	8589934592
8	$\mathcal{O}(0; \{2^{38}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{35}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{32}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{29}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{26}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{23}, 4^{10}, 8^6\})$	1048576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{20}, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{17}, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{14}, 4^{16}, 8^6\})$	67108864
8	$\mathcal{O}(0; \{2^{11}, 4^{18}, 8^6\})$	268435456
8	$\mathcal{O}(0; \{2^8, 4^{20}, 8^6\})$	1073741824
8	$\mathcal{O}(0; \{2^5, 4^{22}, 8^6\})$	4294967296
8	$\mathcal{O}(0; \{2^2, 4^{24}, 8^6\})$	17179869184
8	$\mathcal{O}(0; \{2^{33}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{30}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{27}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^{24}, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^{21}, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{18}, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{15}, 4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^{12}, 4^{15}, 8^8\})$	536870912
8	$\mathcal{O}(0; \{2^9, 4^{17}, 8^8\})$	2147483648
8	$\mathcal{O}(0; \{2^6, 4^{19}, 8^8\})$	8589934592
8	$\mathcal{O}(0; \{2^3, 4^{21}, 8^8\})$	34359738368
8	$\mathcal{O}(0; \{4^{23}, 8^8\})$	137438953472
8	$\mathcal{O}(0; \{2^{31}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{28}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{25}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^{22}, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^{19}, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{16}, 4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^{13}, 4^{12}, 8^{10}\})$	1073741824
8	$\mathcal{O}(0; \{2^{10}, 4^{14}, 8^{10}\})$	4294967296
8	$\mathcal{O}(0; \{2^7, 4^{16}, 8^{10}\})$	17179869184
8	$\mathcal{O}(0; \{2^4, 4^{18}, 8^{10}\})$	68719476736
8	$\mathcal{O}(0; \{2, 4^{20}, 8^{10}\})$	274877906944
8	$\mathcal{O}(0; \{2^{26}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^{23}, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^{20}, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^{17}, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^{14}, 4^9, 8^{12}\})$	2147483648
8	$\mathcal{O}(0; \{2^{11}, 4^{11}, 8^{12}\})$	8589934592
8	$\mathcal{O}(0; \{2^8, 4^{13}, 8^{12}\})$	34359738368
8	$\mathcal{O}(0; \{2^5, 4^{15}, 8^{12}\})$	137438953472
8	$\mathcal{O}(0; \{2^2, 4^{17}, 8^{12}\})$	549755813888
8	$\mathcal{O}(0; \{2^{24}, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^{21}, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^{18}, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^{15}, 4^6, 8^{14}\})$	4294967296

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{12}, 4^8, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^9, 4^{10}, 8^{14}\})$	68719476736
8	$\mathcal{O}(0; \{2^6, 4^{12}, 8^{14}\})$	274877906944
8	$\mathcal{O}(0; \{2^3, 4^{14}, 8^{14}\})$	1099511627776
8	$\mathcal{O}(0; \{4^{16}, 8^{14}\})$	4398046511104
8	$\mathcal{O}(0; \{2^{19}, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2^{16}, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^{13}, 4^5, 8^{16}\})$	34359738368
8	$\mathcal{O}(0; \{2^{10}, 4^7, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^7, 4^9, 8^{16}\})$	549755813888
8	$\mathcal{O}(0; \{2^4, 4^{11}, 8^{16}\})$	2199023255552
8	$\mathcal{O}(0; \{2, 4^{13}, 8^{16}\})$	8796093022208
8	$\mathcal{O}(0; \{2^{17}, 8^{18}\})$	17179869184
8	$\mathcal{O}(0; \{2^{14}, 4^2, 8^{18}\})$	68719476736
8	$\mathcal{O}(0; \{2^{11}, 4^4, 8^{18}\})$	274877906944
8	$\mathcal{O}(0; \{2^8, 4^6, 8^{18}\})$	1099511627776
8	$\mathcal{O}(0; \{2^5, 4^8, 8^{18}\})$	4398046511104
8	$\mathcal{O}(0; \{2^2, 4^{10}, 8^{18}\})$	17592186044416
8	$\mathcal{O}(0; \{2^{12}, 4, 8^{20}\})$	549755813888
8	$\mathcal{O}(0; \{2^9, 4^3, 8^{20}\})$	2199023255552
8	$\mathcal{O}(0; \{2^6, 4^5, 8^{20}\})$	8796093022208
8	$\mathcal{O}(0; \{2^3, 4^7, 8^{20}\})$	35184372088832
8	$\mathcal{O}(0; \{4^9, 8^{20}\})$	140737488355328
8	$\mathcal{O}(0; \{2^{10}, 8^{22}\})$	4398046511104
8	$\mathcal{O}(0; \{2^7, 4^2, 8^{22}\})$	17592186044416
8	$\mathcal{O}(0; \{2^4, 4^4, 8^{22}\})$	70368744177664
8	$\mathcal{O}(0; \{2, 4^6, 8^{22}\})$	281474976710656
8	$\mathcal{O}(0; \{2^5, 4, 8^{24}\})$	140737488355328
8	$\mathcal{O}(0; \{2^2, 4^3, 8^{24}\})$	562949953421312
8	$\mathcal{O}(0; \{2^3, 8^{26}\})$	1125899906842624
8	$\mathcal{O}(0; \{4^2, 8^{26}\})$	4503599627370496
9	$\mathcal{O}(10; \{9^2\})$	72945992754341572806
9	$\mathcal{O}(9; \{3^3, 9^2\})$	7204542494255957808
9	$\mathcal{O}(8; \{3^6, 9^2\})$	711559752519106944
9	$\mathcal{O}(8; \{3^2, 9^5\})$	6003785411879964840
9	$\mathcal{O}(7; \{3^9, 9^2\})$	70277506421640192
9	$\mathcal{O}(7; \{3^5, 9^5\})$	592966460432589120
9	$\mathcal{O}(7; \{3, 9^8\})$	8605425757027949604
9	$\mathcal{O}(6; \{3^{12}, 9^2\})$	6940988288557056
9	$\mathcal{O}(6; \{3^8, 9^5\})$	58564588684700160
9	$\mathcal{O}(6; \{3^4, 9^8\})$	849918593286711072
9	$\mathcal{O}(6; \{9^{11}\})$	11373837919172600058
9	$\mathcal{O}(5; \{3^{15}, 9^2\})$	685529707511808

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(5; \{3^{11}, 9^5\})$	5784156907130880
9	$\mathcal{O}(5; \{3^7, 9^8\})$	83942577114736896
9	$\mathcal{O}(5; \{3^3, 9^{11}\})$	1123342016708404944
9	$\mathcal{O}(4; \{3^{18}, 9^2\})$	67706637778944
9	$\mathcal{O}(4; \{3^{14}, 9^5\})$	571274756259840
9	$\mathcal{O}(4; \{3^{10}, 9^8\})$	8290624900220928
9	$\mathcal{O}(4; \{3^6, 9^{11}\})$	110947359674904192
9	$\mathcal{O}(4; \{3^2, 9^{14}\})$	1499436484667963784
9	$\mathcal{O}(3; \{3^{21}, 9^2\})$	6687075336192
9	$\mathcal{O}(3; \{3^{17}, 9^5\})$	56422198149120
9	$\mathcal{O}(3; \{3^{13}, 9^8\})$	818827150639104
9	$\mathcal{O}(3; \{3^9, 9^{11}\})$	10957763918509056
9	$\mathcal{O}(3; \{3^5, 9^{14}\})$	148092492312885312
9	$\mathcal{O}(3; \{3, 9^{17}\})$	1998974124714492180
9	$\mathcal{O}(2; \{3^{24}, 9^2\})$	660451885056
9	$\mathcal{O}(2; \{3^{20}, 9^5\})$	5572562780160
9	$\mathcal{O}(2; \{3^{16}, 9^8\})$	80871817347072
9	$\mathcal{O}(2; \{3^{12}, 9^{11}\})$	1082248288247808
9	$\mathcal{O}(2; \{3^8, 9^{14}\})$	14626418993865216
9	$\mathcal{O}(2; \{3^4, 9^{17}\})$	197429543181678240
9	$\mathcal{O}(2; \{9^{20}\})$	2665344586537566162
9	$\mathcal{O}(1; \{3^{27}, 9^2\})$	65229815808
9	$\mathcal{O}(1; \{3^{23}, 9^5\})$	550376570880
9	$\mathcal{O}(1; \{3^{19}, 9^8\})$	7987339984896
9	$\mathcal{O}(1; \{3^{15}, 9^{11}\})$	106888719826944
9	$\mathcal{O}(1; \{3^{11}, 9^{14}\})$	1444584591986688
9	$\mathcal{O}(1; \{3^7, 9^{17}\})$	19499214141400320
9	$\mathcal{O}(1; \{3^3, 9^{20}\})$	263243909781488016
9	$\mathcal{O}(0; \{3^{30}, 9^2\})$	6442450944
9	$\mathcal{O}(0; \{3^{26}, 9^5\})$	54358179840
9	$\mathcal{O}(0; \{3^{22}, 9^8\})$	788873084928
9	$\mathcal{O}(0; \{3^{18}, 9^{11}\})$	10556910600192
9	$\mathcal{O}(0; \{3^{14}, 9^{14}\})$	142675021430784
9	$\mathcal{O}(0; \{3^{10}, 9^{17}\})$	1925848310261760
9	$\mathcal{O}(0; \{3^6, 9^{20}\})$	25999398496937088
9	$\mathcal{O}(0; \{3^2, 9^{23}\})$	350991126563220072
10	$\mathcal{O}(9; \{10^2\})$	400000000000000000
10	$\mathcal{O}(8; \{2, 5^3, 10\})$	520000000000000000
10	$\mathcal{O}(8; \{2^4, 10^2\})$	400000000000000000
10	$\mathcal{O}(7; \{2^2, 5^6\})$	820000000000000000
10	$\mathcal{O}(7; \{2^5, 5^3, 10\})$	520000000000000000
10	$\mathcal{O}(7; \{2^8, 10^2\})$	400000000000000000
10	$\mathcal{O}(7; \{5^5, 10^2\})$	327600000000000000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(7; \{2^3, 5^2, 10^3\})$	2040000000000000
10	$\mathcal{O}(7; \{2, 5, 10^5\})$	8200000000000000
10	$\mathcal{O}(6; \{2^6, 5^6\})$	8200000000000000
10	$\mathcal{O}(6; \{2^9, 5^3, 10\})$	5200000000000000
10	$\mathcal{O}(6; \{2, 5^8, 10\})$	5242800000000000
10	$\mathcal{O}(6; \{2^{12}, 10^2\})$	4000000000000000
10	$\mathcal{O}(6; \{2^4, 5^5, 10^2\})$	3276000000000000
10	$\mathcal{O}(6; \{2^7, 5^2, 10^3\})$	2040000000000000
10	$\mathcal{O}(6; \{2^2, 5^4, 10^4\})$	1310800000000000
10	$\mathcal{O}(6; \{2^5, 5, 10^5\})$	8200000000000000
10	$\mathcal{O}(6; \{5^3, 10^6\})$	5242800000000000
10	$\mathcal{O}(6; \{2^3, 10^7\})$	3276000000000000
10	$\mathcal{O}(5; \{2^{10}, 5^6\})$	8200000000000000
10	$\mathcal{O}(5; \{2^2, 5^{11}\})$	8388600000000000
10	$\mathcal{O}(5; \{2^{13}, 5^3, 10\})$	5200000000000000
10	$\mathcal{O}(5; \{2^5, 5^8, 10\})$	5242800000000000
10	$\mathcal{O}(5; \{2^{16}, 10^2\})$	4000000000000000
10	$\mathcal{O}(5; \{2^8, 5^5, 10^2\})$	3276000000000000
10	$\mathcal{O}(5; \{5^{10}, 10^2\})$	3355444000000000
10	$\mathcal{O}(5; \{2^{11}, 5^2, 10^3\})$	2040000000000000
10	$\mathcal{O}(5; \{2^3, 5^7, 10^3\})$	2097160000000000
10	$\mathcal{O}(5; \{2^6, 5^4, 10^4\})$	1310800000000000
10	$\mathcal{O}(5; \{2^9, 5, 10^5\})$	8200000000000000
10	$\mathcal{O}(5; \{2, 5^6, 10^5\})$	8388600000000000
10	$\mathcal{O}(5; \{2^4, 5^3, 10^6\})$	5242800000000000
10	$\mathcal{O}(5; \{2^7, 10^7\})$	3276000000000000
10	$\mathcal{O}(5; \{2^2, 5^2, 10^8\})$	2097160000000000
10	$\mathcal{O}(5; \{5, 10^{10}\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{14}, 5^6\})$	8200000000000000
10	$\mathcal{O}(4; \{2^6, 5^{11}\})$	8388600000000000
10	$\mathcal{O}(4; \{2^{17}, 5^3, 10\})$	5200000000000000
10	$\mathcal{O}(4; \{2^9, 5^8, 10\})$	5242800000000000
10	$\mathcal{O}(4; \{2, 5^{13}, 10\})$	5368709200000000
10	$\mathcal{O}(4; \{2^{20}, 10^2\})$	4000000000000000
10	$\mathcal{O}(4; \{2^{12}, 5^5, 10^2\})$	3276000000000000
10	$\mathcal{O}(4; \{2^4, 5^{10}, 10^2\})$	3355444000000000
10	$\mathcal{O}(4; \{2^{15}, 5^2, 10^3\})$	2040000000000000
10	$\mathcal{O}(4; \{2^7, 5^7, 10^3\})$	2097160000000000
10	$\mathcal{O}(4; \{2^{10}, 5^4, 10^4\})$	1310800000000000
10	$\mathcal{O}(4; \{2^2, 5^9, 10^4\})$	1342177200000000
10	$\mathcal{O}(4; \{2^{13}, 5, 10^5\})$	8200000000000000
10	$\mathcal{O}(4; \{2^5, 5^6, 10^5\})$	8388600000000000
10	$\mathcal{O}(4; \{2^8, 5^3, 10^6\})$	5242800000000000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{5^8, 10^6\})$	5368709200000000
10	$\mathcal{O}(4; \{2^{11}, 10^7\})$	327600000000
10	$\mathcal{O}(4; \{2^3, 5^5, 10^7\})$	3355444000000000
10	$\mathcal{O}(4; \{2^6, 5^2, 10^8\})$	20971600000000
10	$\mathcal{O}(4; \{2, 5^4, 10^9\})$	1342177200000000
10	$\mathcal{O}(4; \{2^4, 5, 10^{10}\})$	8388600000000000
10	$\mathcal{O}(4; \{2^2, 10^{12}\})$	3355444000000000
10	$\mathcal{O}(3; \{2^{18}, 5^6\})$	8200000000
10	$\mathcal{O}(3; \{2^{10}, 5^{11}\})$	83886000000000
10	$\mathcal{O}(3; \{2^2, 5^{16}\})$	8589934600000000
10	$\mathcal{O}(3; \{2^{21}, 5^3, 10\})$	5200000000
10	$\mathcal{O}(3; \{2^{13}, 5^8, 10\})$	52428000000000
10	$\mathcal{O}(3; \{2^5, 5^{13}, 10\})$	5368709200000000
10	$\mathcal{O}(3; \{2^{24}, 10^2\})$	4000000000
10	$\mathcal{O}(3; \{2^{16}, 5^5, 10^2\})$	32760000000000
10	$\mathcal{O}(3; \{2^8, 5^{10}, 10^2\})$	3355444000000000
10	$\mathcal{O}(3; \{5^{15}, 10^2\})$	343597383600000000
10	$\mathcal{O}(3; \{2^{19}, 5^2, 10^3\})$	20400000000000
10	$\mathcal{O}(3; \{2^{11}, 5^7, 10^3\})$	2097160000000000
10	$\mathcal{O}(3; \{2^3, 5^{12}, 10^3\})$	214748364000000000
10	$\mathcal{O}(3; \{2^{14}, 5^4, 10^4\})$	1310800000000000
10	$\mathcal{O}(3; \{2^6, 5^9, 10^4\})$	1342177200000000
10	$\mathcal{O}(3; \{2^{17}, 5, 10^5\})$	8200000000000000
10	$\mathcal{O}(3; \{2^9, 5^6, 10^5\})$	8388600000000000
10	$\mathcal{O}(3; \{2, 5^{11}, 10^5\})$	858993460000000000
10	$\mathcal{O}(3; \{2^{12}, 5^3, 10^6\})$	5242800000000000
10	$\mathcal{O}(3; \{2^4, 5^8, 10^6\})$	536870920000000000
10	$\mathcal{O}(3; \{2^{15}, 10^7\})$	3276000000000000
10	$\mathcal{O}(3; \{2^7, 5^5, 10^7\})$	335544400000000000
10	$\mathcal{O}(3; \{2^{10}, 5^2, 10^8\})$	209716000000000000
10	$\mathcal{O}(3; \{2^2, 5^7, 10^8\})$	21474836400000000000
10	$\mathcal{O}(3; \{2^5, 5^4, 10^9\})$	13421772000000000000
10	$\mathcal{O}(3; \{2^8, 5, 10^{10}\})$	83886000000000000000
10	$\mathcal{O}(3; \{5^6, 10^{10}\})$	8589934600000000000000
10	$\mathcal{O}(3; \{2^3, 5^3, 10^{11}\})$	5368709200000000000000
10	$\mathcal{O}(3; \{2^6, 10^{12}\})$	3355444000000000000000
10	$\mathcal{O}(3; \{2, 5^2, 10^{13}\})$	214748364000000000000000
10	$\mathcal{O}(2; \{2^{22}, 5^6\})$	8200000000000000000000
10	$\mathcal{O}(2; \{2^{14}, 5^{11}\})$	838860000000000000000000
10	$\mathcal{O}(2; \{2^6, 5^{16}\})$	85899346000000000000000000
10	$\mathcal{O}(2; \{2^{25}, 5^3, 10\})$	52000000000000000000000000
10	$\mathcal{O}(2; \{2^{17}, 5^8, 10\})$	5242800000000000000000000000
10	$\mathcal{O}(2; \{2^9, 5^{13}, 10\})$	5368709200000000000000000000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2, 5^{18}, 10\})$	549755813880000
10	$\mathcal{O}(2; \{2^{28}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^{20}, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{2^{12}, 5^{10}, 10^2\})$	33554440000
10	$\mathcal{O}(2; \{2^4, 5^{15}, 10^2\})$	34359738360000
10	$\mathcal{O}(2; \{2^{23}, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{2^{15}, 5^7, 10^3\})$	2097160000
10	$\mathcal{O}(2; \{2^7, 5^{12}, 10^3\})$	2147483640000
10	$\mathcal{O}(2; \{2^{18}, 5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^{10}, 5^9, 10^4\})$	134217720000
10	$\mathcal{O}(2; \{2^2, 5^{14}, 10^4\})$	137438953480000
10	$\mathcal{O}(2; \{2^{21}, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{2^{13}, 5^6, 10^5\})$	8388600000
10	$\mathcal{O}(2; \{2^5, 5^{11}, 10^5\})$	8589934600000
10	$\mathcal{O}(2; \{2^{16}, 5^3, 10^6\})$	524280000
10	$\mathcal{O}(2; \{2^8, 5^8, 10^6\})$	536870920000
10	$\mathcal{O}(2; \{5^{13}, 10^6\})$	549755813880000
10	$\mathcal{O}(2; \{2^{19}, 10^7\})$	32760000
10	$\mathcal{O}(2; \{2^{11}, 5^5, 10^7\})$	33554440000
10	$\mathcal{O}(2; \{2^3, 5^{10}, 10^7\})$	34359738360000
10	$\mathcal{O}(2; \{2^{14}, 5^2, 10^8\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^7, 10^8\})$	2147483640000
10	$\mathcal{O}(2; \{2^9, 5^4, 10^9\})$	134217720000
10	$\mathcal{O}(2; \{2, 5^9, 10^9\})$	137438953480000
10	$\mathcal{O}(2; \{2^{12}, 5, 10^{10}\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^6, 10^{10}\})$	8589934600000
10	$\mathcal{O}(2; \{2^7, 5^3, 10^{11}\})$	536870920000
10	$\mathcal{O}(2; \{2^{10}, 10^{12}\})$	33554440000
10	$\mathcal{O}(2; \{2^2, 5^5, 10^{12}\})$	34359738360000
10	$\mathcal{O}(2; \{2^5, 5^2, 10^{13}\})$	2147483640000
10	$\mathcal{O}(2; \{5^4, 10^{14}\})$	137438953480000
10	$\mathcal{O}(2; \{2^3, 5, 10^{15}\})$	8589934600000
10	$\mathcal{O}(2; \{2, 10^{17}\})$	34359738360000
10	$\mathcal{O}(1; \{2^{26}, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^{18}, 5^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^{10}, 5^{16}\})$	85899346000
10	$\mathcal{O}(1; \{2^2, 5^{21}\})$	87960930222000
10	$\mathcal{O}(1; \{2^{29}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^{21}, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2^{13}, 5^{13}, 10\})$	5368709200
10	$\mathcal{O}(1; \{2^5, 5^{18}, 10\})$	5497558138800
10	$\mathcal{O}(1; \{2^{32}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^{24}, 5^5, 10^2\})$	327600

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{16}, 5^{10}, 10^2\})$	335544400
10	$\mathcal{O}(1; \{2^8, 5^{15}, 10^2\})$	343597383600
10	$\mathcal{O}(1; \{5^{20}, 10^2\})$	351843720888400
10	$\mathcal{O}(1; \{2^{27}, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2^{19}, 5^7, 10^3\})$	20971600
10	$\mathcal{O}(1; \{2^{11}, 5^{12}, 10^3\})$	21474836400
10	$\mathcal{O}(1; \{2^3, 5^{17}, 10^3\})$	21990232555600
10	$\mathcal{O}(1; \{2^{22}, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{2^{14}, 5^9, 10^4\})$	1342177200
10	$\mathcal{O}(1; \{2^6, 5^{14}, 10^4\})$	1374389534800
10	$\mathcal{O}(1; \{2^{25}, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2^{17}, 5^6, 10^5\})$	83886000
10	$\mathcal{O}(1; \{2^9, 5^{11}, 10^5\})$	85899346000
10	$\mathcal{O}(1; \{2, 5^{16}, 10^5\})$	87960930222000
10	$\mathcal{O}(1; \{2^{20}, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{2^{12}, 5^8, 10^6\})$	5368709200
10	$\mathcal{O}(1; \{2^4, 5^{13}, 10^6\})$	5497558138800
10	$\mathcal{O}(1; \{2^{23}, 10^7\})$	327600
10	$\mathcal{O}(1; \{2^{15}, 5^5, 10^7\})$	335544400
10	$\mathcal{O}(1; \{2^7, 5^{10}, 10^7\})$	343597383600
10	$\mathcal{O}(1; \{2^{18}, 5^2, 10^8\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^7, 10^8\})$	21474836400
10	$\mathcal{O}(1; \{2^2, 5^{12}, 10^8\})$	21990232555600
10	$\mathcal{O}(1; \{2^{13}, 5^4, 10^9\})$	1342177200
10	$\mathcal{O}(1; \{2^5, 5^9, 10^9\})$	1374389534800
10	$\mathcal{O}(1; \{2^{16}, 5, 10^{10}\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^6, 10^{10}\})$	85899346000
10	$\mathcal{O}(1; \{5^{11}, 10^{10}\})$	87960930222000
10	$\mathcal{O}(1; \{2^{11}, 5^3, 10^{11}\})$	5368709200
10	$\mathcal{O}(1; \{2^3, 5^8, 10^{11}\})$	5497558138800
10	$\mathcal{O}(1; \{2^{14}, 10^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^5, 10^{12}\})$	343597383600
10	$\mathcal{O}(1; \{2^9, 5^2, 10^{13}\})$	21474836400
10	$\mathcal{O}(1; \{2, 5^7, 10^{13}\})$	21990232555600
10	$\mathcal{O}(1; \{2^4, 5^4, 10^{14}\})$	1374389534800
10	$\mathcal{O}(1; \{2^7, 5, 10^{15}\})$	85899346000
10	$\mathcal{O}(1; \{2^2, 5^3, 10^{16}\})$	5497558138800
10	$\mathcal{O}(1; \{2^5, 10^{17}\})$	343597383600
10	$\mathcal{O}(1; \{5^2, 10^{18}\})$	21990232555600
10	$\mathcal{O}(0; \{2^{30}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^{22}, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{14}, 5^{16}\})$	858993460
10	$\mathcal{O}(0; \{2^6, 5^{21}\})$	879609302220

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{33}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^{25}, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2^{17}, 5^{13}, 10\})$	53687092
10	$\mathcal{O}(0; \{2^9, 5^{18}, 10\})$	54975581388
10	$\mathcal{O}(0; \{2, 5^{23}, 10\})$	56294995342132
10	$\mathcal{O}(0; \{2^{36}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^{28}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^{20}, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{2^{12}, 5^{15}, 10^2\})$	3435973836
10	$\mathcal{O}(0; \{2^4, 5^{20}, 10^2\})$	3518437208884
10	$\mathcal{O}(0; \{2^{31}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^{23}, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2^{15}, 5^{12}, 10^3\})$	214748364
10	$\mathcal{O}(0; \{2^7, 5^{17}, 10^3\})$	219902325556
10	$\mathcal{O}(0; \{2^{26}, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^{18}, 5^9, 10^4\})$	13421772
10	$\mathcal{O}(0; \{2^{10}, 5^{14}, 10^4\})$	13743895348
10	$\mathcal{O}(0; \{2^2, 5^{19}, 10^4\})$	14073748835532
10	$\mathcal{O}(0; \{2^{29}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^{21}, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2^{13}, 5^{11}, 10^5\})$	858993460
10	$\mathcal{O}(0; \{2^5, 5^{16}, 10^5\})$	879609302220
10	$\mathcal{O}(0; \{2^{24}, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^{16}, 5^8, 10^6\})$	53687092
10	$\mathcal{O}(0; \{2^8, 5^{13}, 10^6\})$	54975581388
10	$\mathcal{O}(0; \{5^{18}, 10^6\})$	56294995342132
10	$\mathcal{O}(0; \{2^{27}, 10^7\})$	3276
10	$\mathcal{O}(0; \{2^{19}, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^{11}, 5^{10}, 10^7\})$	3435973836
10	$\mathcal{O}(0; \{2^3, 5^{15}, 10^7\})$	3518437208884
10	$\mathcal{O}(0; \{2^{22}, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{2^{14}, 5^7, 10^8\})$	214748364
10	$\mathcal{O}(0; \{2^6, 5^{12}, 10^8\})$	219902325556
10	$\mathcal{O}(0; \{2^{17}, 5^4, 10^9\})$	13421772
10	$\mathcal{O}(0; \{2^9, 5^9, 10^9\})$	13743895348
10	$\mathcal{O}(0; \{2, 5^{14}, 10^9\})$	14073748835532
10	$\mathcal{O}(0; \{2^{20}, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{2^{12}, 5^6, 10^{10}\})$	858993460
10	$\mathcal{O}(0; \{2^4, 5^{11}, 10^{10}\})$	879609302220
10	$\mathcal{O}(0; \{2^{15}, 5^3, 10^{11}\})$	53687092
10	$\mathcal{O}(0; \{2^7, 5^8, 10^{11}\})$	54975581388
10	$\mathcal{O}(0; \{2^{18}, 10^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^5, 10^{12}\})$	3435973836

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^2, 5^{10}, 10^{12}\})$	3518437208884
10	$\mathcal{O}(0; \{2^{13}, 5^2, 10^{13}\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^7, 10^{13}\})$	219902325556
10	$\mathcal{O}(0; \{2^8, 5^4, 10^{14}\})$	13743895348
10	$\mathcal{O}(0; \{5^9, 10^{14}\})$	14073748835532
10	$\mathcal{O}(0; \{2^{11}, 5, 10^{15}\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^6, 10^{15}\})$	879609302220
10	$\mathcal{O}(0; \{2^6, 5^3, 10^{16}\})$	54975581388
10	$\mathcal{O}(0; \{2^9, 10^{17}\})$	3435973836
10	$\mathcal{O}(0; \{2, 5^5, 10^{17}\})$	3518437208884
10	$\mathcal{O}(0; \{2^4, 5^2, 10^{18}\})$	219902325556
10	$\mathcal{O}(0; \{2^2, 5, 10^{20}\})$	879609302220
10	$\mathcal{O}(0; \{10^{22}\})$	3518437208884
11	$\mathcal{O}(5; \{11^9\})$	2357947667420523090
11	$\mathcal{O}(0; \{11^{20}\})$	9090909090909090910
12	$\mathcal{O}(7; \{3^2, 4^2\})$	5135673858195456
12	$\mathcal{O}(7; \{2, 3, 4, 12\})$	5135673858195456
12	$\mathcal{O}(7; \{2^2, 12^2\})$	5135673858195456
12	$\mathcal{O}(6; \{2^4, 3^2, 4^2\})$	35664401793024
12	$\mathcal{O}(6; \{3^5, 4^2\})$	178322008965120
12	$\mathcal{O}(6; \{2, 3^2, 4^4\})$	142657607172096
12	$\mathcal{O}(6; \{2, 3^3, 4^2, 6\})$	106993205379072
12	$\mathcal{O}(6; \{2^2, 3, 4^2, 6^2\})$	35664401793024
12	$\mathcal{O}(6; \{4^2, 6^4\})$	106993205379072
12	$\mathcal{O}(6; \{2^5, 3, 4, 12\})$	35664401793024
12	$\mathcal{O}(6; \{2, 3^4, 4, 12\})$	178322008965120
12	$\mathcal{O}(6; \{2^2, 3, 4^3, 12\})$	142657607172096
12	$\mathcal{O}(6; \{2^2, 3^2, 4, 6, 12\})$	106993205379072
12	$\mathcal{O}(6; \{2^3, 4, 6^2, 12\})$	35664401793024
12	$\mathcal{O}(6; \{4^3, 6^2, 12\})$	142657607172096
12	$\mathcal{O}(6; \{3, 4, 6^3, 12\})$	178322008965120
12	$\mathcal{O}(6; \{2^6, 12^2\})$	35664401793024
12	$\mathcal{O}(6; \{2^2, 3^3, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{2^3, 4^2, 12^2\})$	142657607172096
12	$\mathcal{O}(6; \{4^4, 12^2\})$	570630428688384
12	$\mathcal{O}(6; \{2^3, 3, 6, 12^2\})$	106993205379072
12	$\mathcal{O}(6; \{3, 4^2, 6, 12^2\})$	427972821516288
12	$\mathcal{O}(6; \{3^2, 6^2, 12^2\})$	392308419723264
12	$\mathcal{O}(6; \{2, 6^3, 12^2\})$	178322008965120
12	$\mathcal{O}(6; \{3^2, 4, 12^3\})$	713288035860480
12	$\mathcal{O}(6; \{2, 4, 6, 12^3\})$	427972821516288
12	$\mathcal{O}(6; \{2, 3, 12^4\})$	713288035860480
12	$\mathcal{O}(5; \{2^8, 3^2, 4^2\})$	247669456896

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^4, 3^5, 4^2\})$	1238347284480
12	$\mathcal{O}(5; \{3^8, 4^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^5, 3^2, 4^4\})$	990677827584
12	$\mathcal{O}(5; \{2, 3^5, 4^4\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 3^2, 4^6\})$	3962711310336
12	$\mathcal{O}(5; \{2^5, 3^3, 4^2, 6\})$	743008370688
12	$\mathcal{O}(5; \{2, 3^6, 4^2, 6\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 3^3, 4^4, 6\})$	2972033482752
12	$\mathcal{O}(5; \{2^6, 3, 4^2, 6^2\})$	247669456896
12	$\mathcal{O}(5; \{2^2, 3^4, 4^2, 6^2\})$	2724364025856
12	$\mathcal{O}(5; \{2^3, 3, 4^4, 6^2\})$	990677827584
12	$\mathcal{O}(5; \{3, 4^6, 6^2\})$	3962711310336
12	$\mathcal{O}(5; \{2^3, 3^2, 4^2, 6^3\})$	1238347284480
12	$\mathcal{O}(5; \{3^2, 4^4, 6^3\})$	4953389137920
12	$\mathcal{O}(5; \{2^4, 4^2, 6^4\})$	743008370688
12	$\mathcal{O}(5; \{3^3, 4^2, 6^4\})$	5201058594816
12	$\mathcal{O}(5; \{2, 4^4, 6^4\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3, 4^2, 6^5\})$	2724364025856
12	$\mathcal{O}(5; \{2^9, 3, 4, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^5, 3^4, 4, 12\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^7, 4, 12\})$	10649786646528
12	$\mathcal{O}(5; \{2^6, 3, 4^3, 12\})$	990677827584
12	$\mathcal{O}(5; \{2^2, 3^4, 4^3, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2^3, 3, 4^5, 12\})$	3962711310336
12	$\mathcal{O}(5; \{3, 4^7, 12\})$	15850845241344
12	$\mathcal{O}(5; \{2^6, 3^2, 4, 6, 12\})$	743008370688
12	$\mathcal{O}(5; \{2^2, 3^5, 4, 6, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^3, 3^2, 4^3, 6, 12\})$	2972033482752
12	$\mathcal{O}(5; \{3^2, 4^5, 6, 12\})$	11888133931008
12	$\mathcal{O}(5; \{2^7, 4, 6^2, 12\})$	247669456896
12	$\mathcal{O}(5; \{2^3, 3^3, 4, 6^2, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^4, 4^3, 6^2, 12\})$	990677827584
12	$\mathcal{O}(5; \{3^3, 4^3, 6^2, 12\})$	10897456103424
12	$\mathcal{O}(5; \{2, 4^5, 6^2, 12\})$	3962711310336
12	$\mathcal{O}(5; \{2^4, 3, 4, 6^3, 12\})$	1238347284480
12	$\mathcal{O}(5; \{3^4, 4, 6^3, 12\})$	10649786646528
12	$\mathcal{O}(5; \{2, 3, 4^3, 6^3, 12\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3^2, 4, 6^4, 12\})$	5201058594816
12	$\mathcal{O}(5; \{2^2, 4, 6^5, 12\})$	2724364025856
12	$\mathcal{O}(5; \{2^{10}, 12^2\})$	247669456896
12	$\mathcal{O}(5; \{2^6, 3^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2^2, 3^6, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^7, 4^2, 12^2\})$	990677827584

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(5; \{2^3, 3^3, 4^2, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^4, 4^4, 12^2\})$	3962711310336
12	$\mathcal{O}(5; \{3^3, 4^4, 12^2\})$	19813556551680
12	$\mathcal{O}(5; \{2, 4^6, 12^2\})$	15850845241344
12	$\mathcal{O}(5; \{2^7, 3, 6, 12^2\})$	743008370688
12	$\mathcal{O}(5; \{2^3, 3^4, 6, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{2^4, 3, 4^2, 6, 12^2\})$	2972033482752
12	$\mathcal{O}(5; \{3^4, 4^2, 6, 12^2\})$	20804234379264
12	$\mathcal{O}(5; \{2, 3, 4^4, 6, 12^2\})$	11888133931008
12	$\mathcal{O}(5; \{2^4, 3^2, 6^2, 12^2\})$	2724364025856
12	$\mathcal{O}(5; \{3^5, 6^2, 12^2\})$	21051903836160
12	$\mathcal{O}(5; \{2, 3^2, 4^2, 6^2, 12^2\})$	10897456103424
12	$\mathcal{O}(5; \{2^5, 6^3, 12^2\})$	1238347284480
12	$\mathcal{O}(5; \{2, 3^3, 6^3, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^2, 4^2, 6^3, 12^2\})$	4953389137920
12	$\mathcal{O}(5; \{2^2, 3, 6^4, 12^2\})$	5201058594816
12	$\mathcal{O}(5; \{6^6, 12^2\})$	10649786646528
12	$\mathcal{O}(5; \{2^4, 3^2, 4, 12^3\})$	4953389137920
12	$\mathcal{O}(5; \{3^5, 4, 12^3\})$	42599146586112
12	$\mathcal{O}(5; \{2, 3^2, 4^3, 12^3\})$	19813556551680
12	$\mathcal{O}(5; \{2^5, 4, 6, 12^3\})$	2972033482752
12	$\mathcal{O}(5; \{2, 3^3, 4, 6, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2^2, 4^3, 6, 12^3\})$	11888133931008
12	$\mathcal{O}(5; \{2^2, 3, 4, 6^2, 12^3\})$	10897456103424
12	$\mathcal{O}(5; \{4, 6^4, 12^3\})$	20804234379264
12	$\mathcal{O}(5; \{2^5, 3, 12^4\})$	4953389137920
12	$\mathcal{O}(5; \{2, 3^4, 12^4\})$	42599146586112
12	$\mathcal{O}(5; \{2^2, 3, 4^2, 12^4\})$	19813556551680
12	$\mathcal{O}(5; \{2^2, 3^2, 6, 12^4\})$	20804234379264
12	$\mathcal{O}(5; \{2^3, 6^2, 12^4\})$	10897456103424
12	$\mathcal{O}(5; \{4^2, 6^2, 12^4\})$	43589824413696
12	$\mathcal{O}(5; \{3, 6^3, 12^4\})$	42599146586112
12	$\mathcal{O}(5; \{2^3, 4, 12^5\})$	19813556551680
12	$\mathcal{O}(5; \{4^3, 12^5\})$	79254226206720
12	$\mathcal{O}(5; \{3, 4, 6, 12^5\})$	83216937517056
12	$\mathcal{O}(5; \{3^2, 12^6\})$	170396586344448
12	$\mathcal{O}(5; \{2, 6, 12^6\})$	83216937517056
12	$\mathcal{O}(4; \{2^{12}, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2^8, 3^5, 4^2\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^8, 4^2\})$	73956851712
12	$\mathcal{O}(4; \{3^{11}, 4^2\})$	586495033344
12	$\mathcal{O}(4; \{2^9, 3^2, 4^4\})$	6879707136
12	$\mathcal{O}(4; \{2^5, 3^5, 4^4\})$	34398535680

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2, 3^8, 4^4\})$	295827406848
12	$\mathcal{O}(4; \{2^6, 3^2, 4^6\})$	27518828544
12	$\mathcal{O}(4; \{2^2, 3^5, 4^6\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3^2, 4^8\})$	110075314176
12	$\mathcal{O}(4; \{3^2, 4^{10}\})$	440301256704
12	$\mathcal{O}(4; \{2^9, 3^3, 4^2, 6\})$	5159780352
12	$\mathcal{O}(4; \{2^5, 3^6, 4^2, 6\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^9, 4^2, 6\})$	294107480064
12	$\mathcal{O}(4; \{2^6, 3^3, 4^4, 6\})$	20639121408
12	$\mathcal{O}(4; \{2^2, 3^6, 4^4, 6\})$	144473849856
12	$\mathcal{O}(4; \{2^3, 3^3, 4^6, 6\})$	82556485632
12	$\mathcal{O}(4; \{3^3, 4^8, 6\})$	330225942528
12	$\mathcal{O}(4; \{2^{10}, 3, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^6, 3^4, 4^2, 6^2\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^7, 4^2, 6^2\})$	146193776640
12	$\mathcal{O}(4; \{2^7, 3, 4^4, 6^2\})$	6879707136
12	$\mathcal{O}(4; \{2^3, 3^4, 4^4, 6^2\})$	75676778496
12	$\mathcal{O}(4; \{2^4, 3, 4^6, 6^2\})$	27518828544
12	$\mathcal{O}(4; \{3^4, 4^6, 6^2\})$	302707113984
12	$\mathcal{O}(4; \{2, 3, 4^8, 6^2\})$	110075314176
12	$\mathcal{O}(4; \{2^7, 3^2, 4^2, 6^3\})$	8599633920
12	$\mathcal{O}(4; \{2^3, 3^5, 4^2, 6^3\})$	73956851712
12	$\mathcal{O}(4; \{2^4, 3^2, 4^4, 6^3\})$	34398535680
12	$\mathcal{O}(4; \{3^5, 4^4, 6^3\})$	295827406848
12	$\mathcal{O}(4; \{2, 3^2, 4^6, 6^3\})$	137594142720
12	$\mathcal{O}(4; \{2^8, 4^2, 6^4\})$	5159780352
12	$\mathcal{O}(4; \{2^4, 3^3, 4^2, 6^4\})$	36118462464
12	$\mathcal{O}(4; \{3^6, 4^2, 6^4\})$	294107480064
12	$\mathcal{O}(4; \{2^5, 4^4, 6^4\})$	20639121408
12	$\mathcal{O}(4; \{2, 3^3, 4^4, 6^4\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 4^6, 6^4\})$	82556485632
12	$\mathcal{O}(4; \{2^5, 3, 4^2, 6^5\})$	18919194624
12	$\mathcal{O}(4; \{2, 3^4, 4^2, 6^5\})$	146193776640
12	$\mathcal{O}(4; \{2^2, 3, 4^4, 6^5\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2, 6^6\})$	73956851712
12	$\mathcal{O}(4; \{2^3, 4^2, 6^7\})$	36118462464
12	$\mathcal{O}(4; \{4^4, 6^7\})$	144473849856
12	$\mathcal{O}(4; \{3, 4^2, 6^8\})$	146193776640
12	$\mathcal{O}(4; \{2^{13}, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^9, 3^4, 4, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^5, 3^7, 4, 12\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^{10}, 4, 12\})$	586495033344
12	$\mathcal{O}(4; \{2^{10}, 3, 4^3, 12\})$	6879707136

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^6, 3^4, 4^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^7, 4^3, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^7, 3, 4^5, 12\})$	27518828544
12	$\mathcal{O}(4; \{2^3, 3^4, 4^5, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^4, 3, 4^7, 12\})$	110075314176
12	$\mathcal{O}(4; \{3^4, 4^7, 12\})$	550376570880
12	$\mathcal{O}(4; \{2, 3, 4^9, 12\})$	440301256704
12	$\mathcal{O}(4; \{2^{10}, 3^2, 4, 6, 12\})$	5159780352
12	$\mathcal{O}(4; \{2^6, 3^5, 4, 6, 12\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^8, 4, 6, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^7, 3^2, 4^3, 6, 12\})$	20639121408
12	$\mathcal{O}(4; \{2^3, 3^5, 4^3, 6, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^4, 3^2, 4^5, 6, 12\})$	82556485632
12	$\mathcal{O}(4; \{3^5, 4^5, 6, 12\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^2, 4^7, 6, 12\})$	330225942528
12	$\mathcal{O}(4; \{2^{11}, 4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^7, 3^3, 4, 6^2, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^3, 3^6, 4, 6^2, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^8, 4^3, 6^2, 12\})$	6879707136
12	$\mathcal{O}(4; \{2^4, 3^3, 4^3, 6^2, 12\})$	75676778496
12	$\mathcal{O}(4; \{3^6, 4^3, 6^2, 12\})$	584775106560
12	$\mathcal{O}(4; \{2^5, 4^5, 6^2, 12\})$	27518828544
12	$\mathcal{O}(4; \{2, 3^3, 4^5, 6^2, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^2, 4^7, 6^2, 12\})$	110075314176
12	$\mathcal{O}(4; \{2^8, 3, 4, 6^3, 12\})$	8599633920
12	$\mathcal{O}(4; \{2^4, 3^4, 4, 6^3, 12\})$	73956851712
12	$\mathcal{O}(4; \{3^7, 4, 6^3, 12\})$	586495033344
12	$\mathcal{O}(4; \{2^5, 3, 4^3, 6^3, 12\})$	34398535680
12	$\mathcal{O}(4; \{2, 3^4, 4^3, 6^3, 12\})$	295827406848
12	$\mathcal{O}(4; \{2^2, 3, 4^5, 6^3, 12\})$	137594142720
12	$\mathcal{O}(4; \{2^5, 3^2, 4, 6^4, 12\})$	36118462464
12	$\mathcal{O}(4; \{2, 3^5, 4, 6^4, 12\})$	294107480064
12	$\mathcal{O}(4; \{2^2, 3^2, 4^3, 6^4, 12\})$	144473849856
12	$\mathcal{O}(4; \{2^6, 4, 6^5, 12\})$	18919194624
12	$\mathcal{O}(4; \{2^2, 3^3, 4, 6^5, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^3, 4^3, 6^5, 12\})$	75676778496
12	$\mathcal{O}(4; \{4^5, 6^5, 12\})$	302707113984
12	$\mathcal{O}(4; \{2^3, 3, 4, 6^6, 12\})$	73956851712
12	$\mathcal{O}(4; \{3, 4^3, 6^6, 12\})$	295827406848
12	$\mathcal{O}(4; \{3^2, 4, 6^7, 12\})$	294107480064
12	$\mathcal{O}(4; \{2, 4, 6^8, 12\})$	146193776640
12	$\mathcal{O}(4; \{2^{14}, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{2^{10}, 3^3, 12^2\})$	8599633920

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^6, 3^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2^2, 3^9, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^{11}, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2^7, 3^3, 4^2, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2^3, 3^6, 4^2, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^8, 4^4, 12^2\})$	27518828544
12	$\mathcal{O}(4; \{2^4, 3^3, 4^4, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{3^6, 4^4, 12^2\})$	1183309627392
12	$\mathcal{O}(4; \{2^5, 4^6, 12^2\})$	110075314176
12	$\mathcal{O}(4; \{2, 3^3, 4^6, 12^2\})$	550376570880
12	$\mathcal{O}(4; \{2^2, 4^8, 12^2\})$	440301256704
12	$\mathcal{O}(4; \{2^{11}, 3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^7, 3^4, 6, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^3, 3^7, 6, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^8, 3, 4^2, 6, 12^2\})$	20639121408
12	$\mathcal{O}(4; \{2^4, 3^4, 4^2, 6, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3^7, 4^2, 6, 12^2\})$	1176429920256
12	$\mathcal{O}(4; \{2^5, 3, 4^4, 6, 12^2\})$	82556485632
12	$\mathcal{O}(4; \{2, 3^4, 4^4, 6, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2^2, 3, 4^6, 6, 12^2\})$	330225942528
12	$\mathcal{O}(4; \{2^8, 3^2, 6^2, 12^2\})$	18919194624
12	$\mathcal{O}(4; \{2^4, 3^5, 6^2, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{3^8, 6^2, 12^2\})$	1174709993472
12	$\mathcal{O}(4; \{2^5, 3^2, 4^2, 6^2, 12^2\})$	75676778496
12	$\mathcal{O}(4; \{2, 3^5, 4^2, 6^2, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^2, 3^2, 4^4, 6^2, 12^2\})$	302707113984
12	$\mathcal{O}(4; \{2^9, 6^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2^5, 3^3, 6^3, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{2, 3^6, 6^3, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2^6, 4^2, 6^3, 12^2\})$	34398535680
12	$\mathcal{O}(4; \{2^2, 3^3, 4^2, 6^3, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2^3, 4^4, 6^3, 12^2\})$	137594142720
12	$\mathcal{O}(4; \{4^6, 6^3, 12^2\})$	550376570880
12	$\mathcal{O}(4; \{2^6, 3, 6^4, 12^2\})$	36118462464
12	$\mathcal{O}(4; \{2^2, 3^4, 6^4, 12^2\})$	294107480064
12	$\mathcal{O}(4; \{2^3, 3, 4^2, 6^4, 12^2\})$	144473849856
12	$\mathcal{O}(4; \{3, 4^4, 6^4, 12^2\})$	577895399424
12	$\mathcal{O}(4; \{2^3, 3^2, 6^5, 12^2\})$	146193776640
12	$\mathcal{O}(4; \{3^2, 4^2, 6^5, 12^2\})$	584775106560
12	$\mathcal{O}(4; \{2^4, 6^6, 12^2\})$	73956851712
12	$\mathcal{O}(4; \{3^3, 6^6, 12^2\})$	586495033344
12	$\mathcal{O}(4; \{2, 4^2, 6^6, 12^2\})$	295827406848
12	$\mathcal{O}(4; \{2, 3, 6^7, 12^2\})$	294107480064

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^8, 3^2, 4, 12^3\})$	34398535680
12	$\mathcal{O}(4; \{2^4, 3^5, 4, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{3^8, 4, 12^3\})$	2345980133376
12	$\mathcal{O}(4; \{2^5, 3^2, 4^3, 12^3\})$	137594142720
12	$\mathcal{O}(4; \{2, 3^5, 4^3, 12^3\})$	1183309627392
12	$\mathcal{O}(4; \{2^2, 3^2, 4^5, 12^3\})$	550376570880
12	$\mathcal{O}(4; \{2^9, 4, 6, 12^3\})$	20639121408
12	$\mathcal{O}(4; \{2^5, 3^3, 4, 6, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{2, 3^6, 4, 6, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2^6, 4^3, 6, 12^3\})$	82556485632
12	$\mathcal{O}(4; \{2^2, 3^3, 4^3, 6, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2^3, 4^5, 6, 12^3\})$	330225942528
12	$\mathcal{O}(4; \{4^7, 6, 12^3\})$	1320903770112
12	$\mathcal{O}(4; \{2^6, 3, 4, 6^2, 12^3\})$	75676778496
12	$\mathcal{O}(4; \{2^2, 3^4, 4, 6^2, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^3, 3, 4^3, 6^2, 12^3\})$	302707113984
12	$\mathcal{O}(4; \{3, 4^5, 6^2, 12^3\})$	1210828455936
12	$\mathcal{O}(4; \{2^3, 3^2, 4, 6^3, 12^3\})$	295827406848
12	$\mathcal{O}(4; \{3^2, 4^3, 6^3, 12^3\})$	1183309627392
12	$\mathcal{O}(4; \{2^4, 4, 6^4, 12^3\})$	144473849856
12	$\mathcal{O}(4; \{3^3, 4, 6^4, 12^3\})$	1176429920256
12	$\mathcal{O}(4; \{2, 4^3, 6^4, 12^3\})$	577895399424
12	$\mathcal{O}(4; \{2, 3, 4, 6^5, 12^3\})$	584775106560
12	$\mathcal{O}(4; \{2^9, 3, 12^4\})$	34398535680
12	$\mathcal{O}(4; \{2^5, 3^4, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{2, 3^7, 12^4\})$	2345980133376
12	$\mathcal{O}(4; \{2^6, 3, 4^2, 12^4\})$	137594142720
12	$\mathcal{O}(4; \{2^2, 3^4, 4^2, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2^3, 3, 4^4, 12^4\})$	550376570880
12	$\mathcal{O}(4; \{3, 4^6, 12^4\})$	2201506283520
12	$\mathcal{O}(4; \{2^6, 3^2, 6, 12^4\})$	144473849856
12	$\mathcal{O}(4; \{2^2, 3^5, 6, 12^4\})$	1176429920256
12	$\mathcal{O}(4; \{2^3, 3^2, 4^2, 6, 12^4\})$	577895399424
12	$\mathcal{O}(4; \{3^2, 4^4, 6, 12^4\})$	2311581597696
12	$\mathcal{O}(4; \{2^7, 6^2, 12^4\})$	75676778496
12	$\mathcal{O}(4; \{2^3, 3^3, 6^2, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^4, 4^2, 6^2, 12^4\})$	302707113984
12	$\mathcal{O}(4; \{3^3, 4^2, 6^2, 12^4\})$	2339100426240
12	$\mathcal{O}(4; \{2, 4^4, 6^2, 12^4\})$	1210828455936
12	$\mathcal{O}(4; \{2^4, 3, 6^3, 12^4\})$	295827406848
12	$\mathcal{O}(4; \{3^4, 6^3, 12^4\})$	2345980133376
12	$\mathcal{O}(4; \{2, 3, 4^2, 6^3, 12^4\})$	1183309627392
12	$\mathcal{O}(4; \{2, 3^2, 6^4, 12^4\})$	1176429920256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^2, 6^5, 12^4\})$	584775106560
12	$\mathcal{O}(4; \{2^7, 4, 12^5\})$	137594142720
12	$\mathcal{O}(4; \{2^3, 3^3, 4, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^4, 4^3, 12^5\})$	550376570880
12	$\mathcal{O}(4; \{3^3, 4^3, 12^5\})$	4733238509568
12	$\mathcal{O}(4; \{2, 4^5, 12^5\})$	2201506283520
12	$\mathcal{O}(4; \{2^4, 3, 4, 6, 12^5\})$	577895399424
12	$\mathcal{O}(4; \{3^4, 4, 6, 12^5\})$	4705719681024
12	$\mathcal{O}(4; \{2, 3, 4^3, 6, 12^5\})$	2311581597696
12	$\mathcal{O}(4; \{2, 3^2, 4, 6^2, 12^5\})$	2339100426240
12	$\mathcal{O}(4; \{2^2, 4, 6^3, 12^5\})$	1183309627392
12	$\mathcal{O}(4; \{2^4, 3^2, 12^6\})$	1183309627392
12	$\mathcal{O}(4; \{3^5, 12^6\})$	9383920533504
12	$\mathcal{O}(4; \{2, 3^2, 4^2, 12^6\})$	4733238509568
12	$\mathcal{O}(4; \{2^5, 6, 12^6\})$	577895399424
12	$\mathcal{O}(4; \{2, 3^3, 6, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2^2, 4^2, 6, 12^6\})$	2311581597696
12	$\mathcal{O}(4; \{2^2, 3, 6^2, 12^6\})$	2339100426240
12	$\mathcal{O}(4; \{6^4, 12^6\})$	4705719681024
12	$\mathcal{O}(4; \{2^2, 3, 4, 12^7\})$	4733238509568
12	$\mathcal{O}(4; \{4, 6^2, 12^7\})$	9356401704960
12	$\mathcal{O}(4; \{2^3, 12^8\})$	4733238509568
12	$\mathcal{O}(4; \{4^2, 12^8\})$	18932954038272
12	$\mathcal{O}(4; \{3, 6, 12^8\})$	18822878724096
12	$\mathcal{O}(3; \{2^{16}, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^{12}, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^8, 4^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^{11}, 4^2\})$	4072882176
12	$\mathcal{O}(3; \{3^{14}, 4^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{13}, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^9, 3^5, 4^4\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^8, 4^4\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^{11}, 4^4\})$	16291528704
12	$\mathcal{O}(3; \{2^{10}, 3^2, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^6, 3^5, 4^6\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^8, 4^6\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 3^2, 4^8\})$	764411904
12	$\mathcal{O}(3; \{2^3, 3^5, 4^8\})$	3822059520
12	$\mathcal{O}(3; \{2^4, 3^2, 4^{10}\})$	3057647616
12	$\mathcal{O}(3; \{3^5, 4^{10}\})$	15288238080
12	$\mathcal{O}(3; \{2, 3^2, 4^{12}\})$	12230590464
12	$\mathcal{O}(3; \{2^{13}, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^9, 3^6, 4^2, 6\})$	250822656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^5, 3^9, 4^2, 6\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^{12}, 4^2, 6\})$	16303472640
12	$\mathcal{O}(3; \{2^{10}, 3^3, 4^4, 6\})$	143327232
12	$\mathcal{O}(3; \{2^6, 3^6, 4^4, 6\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^9, 4^4, 6\})$	8169652224
12	$\mathcal{O}(3; \{2^7, 3^3, 4^6, 6\})$	573308928
12	$\mathcal{O}(3; \{2^3, 3^6, 4^6, 6\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^3, 4^8, 6\})$	2293235712
12	$\mathcal{O}(3; \{3^6, 4^8, 6\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^3, 4^{10}, 6\})$	9172942848
12	$\mathcal{O}(3; \{2^{14}, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4^2, 6^2\})$	131383296
12	$\mathcal{O}(3; \{2^6, 3^7, 4^2, 6^2\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4^2, 6^2\})$	8157708288
12	$\mathcal{O}(3; \{2^{11}, 3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^7, 3^4, 4^4, 6^2\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^7, 4^4, 6^2\})$	4060938240
12	$\mathcal{O}(3; \{2^8, 3, 4^6, 6^2\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^4, 4^6, 6^2\})$	2102132736
12	$\mathcal{O}(3; \{3^7, 4^6, 6^2\})$	16243752960
12	$\mathcal{O}(3; \{2^5, 3, 4^8, 6^2\})$	764411904
12	$\mathcal{O}(3; \{2, 3^4, 4^8, 6^2\})$	8408530944
12	$\mathcal{O}(3; \{2^2, 3, 4^{10}, 6^2\})$	3057647616
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^7, 3^5, 4^2, 6^3\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^8, 4^2, 6^3\})$	4072882176
12	$\mathcal{O}(3; \{2^8, 3^2, 4^4, 6^3\})$	238878720
12	$\mathcal{O}(3; \{2^4, 3^5, 4^4, 6^3\})$	2054356992
12	$\mathcal{O}(3; \{3^8, 4^4, 6^3\})$	16291528704
12	$\mathcal{O}(3; \{2^5, 3^2, 4^6, 6^3\})$	955514880
12	$\mathcal{O}(3; \{2, 3^5, 4^6, 6^3\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^2, 4^8, 6^3\})$	3822059520
12	$\mathcal{O}(3; \{2^{12}, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^8, 3^3, 4^2, 6^4\})$	250822656
12	$\mathcal{O}(3; \{2^4, 3^6, 4^2, 6^4\})$	2042413056
12	$\mathcal{O}(3; \{3^9, 4^2, 6^4\})$	16303472640
12	$\mathcal{O}(3; \{2^9, 4^4, 6^4\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3^3, 4^4, 6^4\})$	1003290624
12	$\mathcal{O}(3; \{2, 3^6, 4^4, 6^4\})$	8169652224
12	$\mathcal{O}(3; \{2^6, 4^6, 6^4\})$	573308928
12	$\mathcal{O}(3; \{2^2, 3^3, 4^6, 6^4\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 4^8, 6^4\})$	2293235712
12	$\mathcal{O}(3; \{4^{10}, 6^4\})$	9172942848

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^9, 3, 4^2, 6^5\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^4, 4^2, 6^5\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^7, 4^2, 6^5\})$	8157708288
12	$\mathcal{O}(3; \{2^6, 3, 4^4, 6^5\})$	525533184
12	$\mathcal{O}(3; \{2^2, 3^4, 4^4, 6^5\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3, 4^6, 6^5\})$	2102132736
12	$\mathcal{O}(3; \{3, 4^8, 6^5\})$	8408530944
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2, 6^6\})$	513589248
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2, 6^6\})$	4072882176
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4, 6^6\})$	2054356992
12	$\mathcal{O}(3; \{3^2, 4^6, 6^6\})$	8217427968
12	$\mathcal{O}(3; \{2^7, 4^2, 6^7\})$	250822656
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6^7\})$	2042413056
12	$\mathcal{O}(3; \{2^4, 4^4, 6^7\})$	1003290624
12	$\mathcal{O}(3; \{3^3, 4^4, 6^7\})$	8169652224
12	$\mathcal{O}(3; \{2, 4^6, 6^7\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^8\})$	1015234560
12	$\mathcal{O}(3; \{3^4, 4^2, 6^8\})$	8157708288
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^8\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^9\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 4^2, 6^{10}\})$	2042413056
12	$\mathcal{O}(3; \{2^{17}, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{13}, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^9, 3^7, 4, 12\})$	513589248
12	$\mathcal{O}(3; \{2^5, 3^{10}, 4, 12\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^{13}, 4, 12\})$	32618889216
12	$\mathcal{O}(3; \{2^{14}, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^{10}, 3^4, 4^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^7, 4^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^{10}, 4^3, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^{11}, 3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^7, 3^4, 4^5, 12\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^7, 4^5, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^8, 3, 4^7, 12\})$	764411904
12	$\mathcal{O}(3; \{2^4, 3^4, 4^7, 12\})$	3822059520
12	$\mathcal{O}(3; \{3^7, 4^7, 12\})$	32869711872
12	$\mathcal{O}(3; \{2^5, 3, 4^9, 12\})$	3057647616
12	$\mathcal{O}(3; \{2, 3^4, 4^9, 12\})$	15288238080
12	$\mathcal{O}(3; \{2^2, 3, 4^{11}, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{14}, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^{10}, 3^5, 4, 6, 12\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^8, 4, 6, 12\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^{11}, 4, 6, 12\})$	16303472640

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^{11}, 3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^7, 3^5, 4^3, 6, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^8, 4^3, 6, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^8, 3^2, 4^5, 6, 12\})$	573308928
12	$\mathcal{O}(3; \{2^4, 3^5, 4^5, 6, 12\})$	4013162496
12	$\mathcal{O}(3; \{3^8, 4^5, 6, 12\})$	32678608896
12	$\mathcal{O}(3; \{2^5, 3^2, 4^7, 6, 12\})$	2293235712
12	$\mathcal{O}(3; \{2, 3^5, 4^7, 6, 12\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^2, 4^9, 6, 12\})$	9172942848
12	$\mathcal{O}(3; \{2^{15}, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2^7, 3^6, 4, 6^2, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^9, 4, 6^2, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{12}, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2^8, 3^3, 4^3, 6^2, 12\})$	525533184
12	$\mathcal{O}(3; \{2^4, 3^6, 4^3, 6^2, 12\})$	4060938240
12	$\mathcal{O}(3; \{3^9, 4^3, 6^2, 12\})$	32630833152
12	$\mathcal{O}(3; \{2^9, 4^5, 6^2, 12\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3^3, 4^5, 6^2, 12\})$	2102132736
12	$\mathcal{O}(3; \{2, 3^6, 4^5, 6^2, 12\})$	16243752960
12	$\mathcal{O}(3; \{2^6, 4^7, 6^2, 12\})$	764411904
12	$\mathcal{O}(3; \{2^2, 3^3, 4^7, 6^2, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^3, 4^9, 6^2, 12\})$	3057647616
12	$\mathcal{O}(3; \{4^{11}, 6^2, 12\})$	12230590464
12	$\mathcal{O}(3; \{2^{12}, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^8, 3^4, 4, 6^3, 12\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^7, 4, 6^3, 12\})$	4072882176
12	$\mathcal{O}(3; \{3^{10}, 4, 6^3, 12\})$	32618889216
12	$\mathcal{O}(3; \{2^9, 3, 4^3, 6^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2^5, 3^4, 4^3, 6^3, 12\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^7, 4^3, 6^3, 12\})$	16291528704
12	$\mathcal{O}(3; \{2^6, 3, 4^5, 6^3, 12\})$	955514880
12	$\mathcal{O}(3; \{2^2, 3^4, 4^5, 6^3, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3, 4^7, 6^3, 12\})$	3822059520
12	$\mathcal{O}(3; \{3, 4^9, 6^3, 12\})$	15288238080
12	$\mathcal{O}(3; \{2^9, 3^2, 4, 6^4, 12\})$	250822656
12	$\mathcal{O}(3; \{2^5, 3^5, 4, 6^4, 12\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^8, 4, 6^4, 12\})$	16303472640
12	$\mathcal{O}(3; \{2^6, 3^2, 4^3, 6^4, 12\})$	1003290624
12	$\mathcal{O}(3; \{2^2, 3^5, 4^3, 6^4, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^3, 3^2, 4^5, 6^4, 12\})$	4013162496
12	$\mathcal{O}(3; \{3^2, 4^7, 6^4, 12\})$	16052649984
12	$\mathcal{O}(3; \{2^{10}, 4, 6^5, 12\})$	131383296

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^6, 3^3, 4, 6^5, 12\})$	1015234560
12	$\mathcal{O}(3; \{2^2, 3^6, 4, 6^5, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^7, 4^3, 6^5, 12\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3^3, 4^3, 6^5, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^4, 4^5, 6^5, 12\})$	2102132736
12	$\mathcal{O}(3; \{3^3, 4^5, 6^5, 12\})$	16243752960
12	$\mathcal{O}(3; \{2, 4^7, 6^5, 12\})$	8408530944
12	$\mathcal{O}(3; \{2^7, 3, 4, 6^6, 12\})$	513589248
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 6^6, 12\})$	4072882176
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 6^6, 12\})$	2054356992
12	$\mathcal{O}(3; \{3^4, 4^3, 6^6, 12\})$	16291528704
12	$\mathcal{O}(3; \{2, 3, 4^5, 6^6, 12\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6^7, 12\})$	2042413056
12	$\mathcal{O}(3; \{3^5, 4, 6^7, 12\})$	16303472640
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6^7, 12\})$	8169652224
12	$\mathcal{O}(3; \{2^5, 4, 6^8, 12\})$	1015234560
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^8, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^2, 4^3, 6^8, 12\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^9, 12\})$	4072882176
12	$\mathcal{O}(3; \{4, 6^{11}, 12\})$	8157708288
12	$\mathcal{O}(3; \{2^{18}, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^{14}, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^{10}, 3^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^6, 3^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2^2, 3^{12}, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{15}, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^{11}, 3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^7, 3^6, 4^2, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^9, 4^2, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^{12}, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^8, 3^3, 4^4, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^4, 3^6, 4^4, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{3^9, 4^4, 12^2\})$	65166114816
12	$\mathcal{O}(3; \{2^9, 4^6, 12^2\})$	764411904
12	$\mathcal{O}(3; \{2^5, 3^3, 4^6, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{2, 3^6, 4^6, 12^2\})$	32869711872
12	$\mathcal{O}(3; \{2^6, 4^8, 12^2\})$	3057647616
12	$\mathcal{O}(3; \{2^2, 3^3, 4^8, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^3, 4^{10}, 12^2\})$	12230590464
12	$\mathcal{O}(3; \{4^{12}, 12^2\})$	48922361856
12	$\mathcal{O}(3; \{2^{15}, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^{11}, 3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^7, 3^7, 6, 12^2\})$	2042413056

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3^{10}, 6, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{12}, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^8, 3^4, 4^2, 6, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^7, 4^2, 6, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{3^{10}, 4^2, 6, 12^2\})$	65213890560
12	$\mathcal{O}(3; \{2^9, 3, 4^4, 6, 12^2\})$	573308928
12	$\mathcal{O}(3; \{2^5, 3^4, 4^4, 6, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^7, 4^4, 6, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 3, 4^6, 6, 12^2\})$	2293235712
12	$\mathcal{O}(3; \{2^2, 3^4, 4^6, 6, 12^2\})$	16052649984
12	$\mathcal{O}(3; \{2^3, 3, 4^8, 6, 12^2\})$	9172942848
12	$\mathcal{O}(3; \{3, 4^{10}, 6, 12^2\})$	36691771392
12	$\mathcal{O}(3; \{2^{12}, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^8, 3^5, 6^2, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^4, 3^8, 6^2, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{3^{11}, 6^2, 12^2\})$	65225834496
12	$\mathcal{O}(3; \{2^9, 3^2, 4^2, 6^2, 12^2\})$	525533184
12	$\mathcal{O}(3; \{2^5, 3^5, 4^2, 6^2, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^8, 4^2, 6^2, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2^6, 3^2, 4^4, 6^2, 12^2\})$	2102132736
12	$\mathcal{O}(3; \{2^2, 3^5, 4^4, 6^2, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^3, 3^2, 4^6, 6^2, 12^2\})$	8408530944
12	$\mathcal{O}(3; \{3^2, 4^8, 6^2, 12^2\})$	33634123776
12	$\mathcal{O}(3; \{2^{13}, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^9, 3^3, 6^3, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^5, 3^6, 6^3, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{2, 3^9, 6^3, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^{10}, 4^2, 6^3, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^6, 3^3, 4^2, 6^3, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2^2, 3^6, 4^2, 6^3, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^7, 4^4, 6^3, 12^2\})$	955514880
12	$\mathcal{O}(3; \{2^3, 3^3, 4^4, 6^3, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 4^6, 6^3, 12^2\})$	3822059520
12	$\mathcal{O}(3; \{3^3, 4^6, 6^3, 12^2\})$	32869711872
12	$\mathcal{O}(3; \{2, 4^8, 6^3, 12^2\})$	15288238080
12	$\mathcal{O}(3; \{2^{10}, 3, 6^4, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^6, 3^4, 6^4, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2^2, 3^7, 6^4, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^7, 3, 4^2, 6^4, 12^2\})$	1003290624
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2, 6^4, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^4, 3, 4^4, 6^4, 12^2\})$	4013162496
12	$\mathcal{O}(3; \{3^4, 4^4, 6^4, 12^2\})$	32678608896
12	$\mathcal{O}(3; \{2, 3, 4^6, 6^4, 12^2\})$	16052649984

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3^2, 6^5, 12^2\})$	1015234560
12	$\mathcal{O}(3; \{2^3, 3^5, 6^5, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6^5, 12^2\})$	4060938240
12	$\mathcal{O}(3; \{3^5, 4^2, 6^5, 12^2\})$	32630833152
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6^5, 12^2\})$	16243752960
12	$\mathcal{O}(3; \{2^8, 6^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^4, 3^3, 6^6, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{3^6, 6^6, 12^2\})$	32618889216
12	$\mathcal{O}(3; \{2^5, 4^2, 6^6, 12^2\})$	2054356992
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^6, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{2^2, 4^4, 6^6, 12^2\})$	8217427968
12	$\mathcal{O}(3; \{2^5, 3, 6^7, 12^2\})$	2042413056
12	$\mathcal{O}(3; \{2, 3^4, 6^7, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^7, 12^2\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3^2, 6^8, 12^2\})$	8157708288
12	$\mathcal{O}(3; \{2^3, 6^9, 12^2\})$	4072882176
12	$\mathcal{O}(3; \{4^2, 6^9, 12^2\})$	16291528704
12	$\mathcal{O}(3; \{3, 6^{10}, 12^2\})$	16303472640
12	$\mathcal{O}(3; \{2^{12}, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^8, 3^5, 4, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^8, 4, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{3^{11}, 4, 12^3\})$	130475556864
12	$\mathcal{O}(3; \{2^9, 3^2, 4^3, 12^3\})$	955514880
12	$\mathcal{O}(3; \{2^5, 3^5, 4^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^8, 4^3, 12^3\})$	65166114816
12	$\mathcal{O}(3; \{2^6, 3^2, 4^5, 12^3\})$	3822059520
12	$\mathcal{O}(3; \{2^2, 3^5, 4^5, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3^2, 4^7, 12^3\})$	15288238080
12	$\mathcal{O}(3; \{3^2, 4^9, 12^3\})$	61152952320
12	$\mathcal{O}(3; \{2^{13}, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^9, 3^3, 4, 6, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^5, 3^6, 4, 6, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^9, 4, 6, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^{10}, 4^3, 6, 12^3\})$	573308928
12	$\mathcal{O}(3; \{2^6, 3^3, 4^3, 6, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2^2, 3^6, 4^3, 6, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^7, 4^5, 6, 12^3\})$	2293235712
12	$\mathcal{O}(3; \{2^3, 3^3, 4^5, 6, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^4, 4^7, 6, 12^3\})$	9172942848
12	$\mathcal{O}(3; \{3^3, 4^7, 6, 12^3\})$	64210599936
12	$\mathcal{O}(3; \{2, 4^9, 6, 12^3\})$	36691771392
12	$\mathcal{O}(3; \{2^{10}, 3, 4, 6^2, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^6, 3^4, 4, 6^2, 12^3\})$	4060938240

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^2, 3^7, 4, 6^2, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^7, 3, 4^3, 6^2, 12^3\})$	2102132736
12	$\mathcal{O}(3; \{2^3, 3^4, 4^3, 6^2, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^4, 3, 4^5, 6^2, 12^3\})$	8408530944
12	$\mathcal{O}(3; \{3^4, 4^5, 6^2, 12^3\})$	64975011840
12	$\mathcal{O}(3; \{2, 3, 4^7, 6^2, 12^3\})$	33634123776
12	$\mathcal{O}(3; \{2^7, 3^2, 4, 6^3, 12^3\})$	2054356992
12	$\mathcal{O}(3; \{2^3, 3^5, 4, 6^3, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^4, 3^2, 4^3, 6^3, 12^3\})$	8217427968
12	$\mathcal{O}(3; \{3^5, 4^3, 6^3, 12^3\})$	65166114816
12	$\mathcal{O}(3; \{2, 3^2, 4^5, 6^3, 12^3\})$	32869711872
12	$\mathcal{O}(3; \{2^8, 4, 6^4, 12^3\})$	1003290624
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 6^4, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{3^6, 4, 6^4, 12^3\})$	65213890560
12	$\mathcal{O}(3; \{2^5, 4^3, 6^4, 12^3\})$	4013162496
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 6^4, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{2^2, 4^5, 6^4, 12^3\})$	16052649984
12	$\mathcal{O}(3; \{2^5, 3, 4, 6^5, 12^3\})$	4060938240
12	$\mathcal{O}(3; \{2, 3^4, 4, 6^5, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6^5, 12^3\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^6, 12^3\})$	16291528704
12	$\mathcal{O}(3; \{2^3, 4, 6^7, 12^3\})$	8169652224
12	$\mathcal{O}(3; \{4^3, 6^7, 12^3\})$	32678608896
12	$\mathcal{O}(3; \{3, 4, 6^8, 12^3\})$	32630833152
12	$\mathcal{O}(3; \{2^{13}, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{2^9, 3^4, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^5, 3^7, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{2, 3^{10}, 12^4\})$	130475556864
12	$\mathcal{O}(3; \{2^{10}, 3, 4^2, 12^4\})$	955514880
12	$\mathcal{O}(3; \{2^6, 3^4, 4^2, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^7, 4^2, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^7, 3, 4^4, 12^4\})$	3822059520
12	$\mathcal{O}(3; \{2^3, 3^4, 4^4, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^4, 3, 4^6, 12^4\})$	15288238080
12	$\mathcal{O}(3; \{3^4, 4^6, 12^4\})$	131478847488
12	$\mathcal{O}(3; \{2, 3, 4^8, 12^4\})$	61152952320
12	$\mathcal{O}(3; \{2^{10}, 3^2, 6, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2^6, 3^5, 6, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2^2, 3^8, 6, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^7, 3^2, 4^2, 6, 12^4\})$	4013162496
12	$\mathcal{O}(3; \{2^3, 3^5, 4^2, 6, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^4, 3^2, 4^4, 6, 12^4\})$	16052649984
12	$\mathcal{O}(3; \{3^5, 4^4, 6, 12^4\})$	130714435584

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^2, 4^6, 6, 12^4\})$	64210599936
12	$\mathcal{O}(3; \{2^{11}, 6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^7, 3^3, 6^2, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^3, 3^6, 6^2, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^8, 4^2, 6^2, 12^4\})$	2102132736
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2, 6^2, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{3^6, 4^2, 6^2, 12^4\})$	130523332608
12	$\mathcal{O}(3; \{2^5, 4^4, 6^2, 12^4\})$	8408530944
12	$\mathcal{O}(3; \{2, 3^3, 4^4, 6^2, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^2, 4^6, 6^2, 12^4\})$	33634123776
12	$\mathcal{O}(3; \{2^8, 3, 6^3, 12^4\})$	2054356992
12	$\mathcal{O}(3; \{2^4, 3^4, 6^3, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3^7, 6^3, 12^4\})$	130475556864
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6^3, 12^4\})$	8217427968
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6^3, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6^3, 12^4\})$	32869711872
12	$\mathcal{O}(3; \{2^5, 3^2, 6^4, 12^4\})$	8169652224
12	$\mathcal{O}(3; \{2, 3^5, 6^4, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^4, 12^4\})$	32678608896
12	$\mathcal{O}(3; \{2^6, 6^5, 12^4\})$	4060938240
12	$\mathcal{O}(3; \{2^2, 3^3, 6^5, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^3, 4^2, 6^5, 12^4\})$	16243752960
12	$\mathcal{O}(3; \{4^4, 6^5, 12^4\})$	64975011840
12	$\mathcal{O}(3; \{2^3, 3, 6^6, 12^4\})$	16291528704
12	$\mathcal{O}(3; \{3, 4^2, 6^6, 12^4\})$	65166114816
12	$\mathcal{O}(3; \{3^2, 6^7, 12^4\})$	65213890560
12	$\mathcal{O}(3; \{2, 6^8, 12^4\})$	32630833152
12	$\mathcal{O}(3; \{2^{11}, 4, 12^5\})$	955514880
12	$\mathcal{O}(3; \{2^7, 3^3, 4, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2^3, 3^6, 4, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^8, 4^3, 12^5\})$	3822059520
12	$\mathcal{O}(3; \{2^4, 3^3, 4^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{3^6, 4^3, 12^5\})$	260664459264
12	$\mathcal{O}(3; \{2^5, 4^5, 12^5\})$	15288238080
12	$\mathcal{O}(3; \{2, 3^3, 4^5, 12^5\})$	131478847488
12	$\mathcal{O}(3; \{2^2, 4^7, 12^5\})$	61152952320
12	$\mathcal{O}(3; \{2^8, 3, 4, 6, 12^5\})$	4013162496
12	$\mathcal{O}(3; \{2^4, 3^4, 4, 6, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{3^7, 4, 6, 12^5\})$	260855562240
12	$\mathcal{O}(3; \{2^5, 3, 4^3, 6, 12^5\})$	16052649984
12	$\mathcal{O}(3; \{2, 3^4, 4^3, 6, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{2^2, 3, 4^5, 6, 12^5\})$	64210599936
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 6^2, 12^5\})$	16243752960

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^5, 4, 6^2, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 6^2, 12^5\})$	64975011840
12	$\mathcal{O}(3; \{2^6, 4, 6^3, 12^5\})$	8217427968
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6^3, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^3, 4^3, 6^3, 12^5\})$	32869711872
12	$\mathcal{O}(3; \{4^5, 6^3, 12^5\})$	131478847488
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^4, 12^5\})$	32678608896
12	$\mathcal{O}(3; \{3, 4^3, 6^4, 12^5\})$	130714435584
12	$\mathcal{O}(3; \{3^2, 4, 6^5, 12^5\})$	130523332608
12	$\mathcal{O}(3; \{2, 4, 6^6, 12^5\})$	65166114816
12	$\mathcal{O}(3; \{2^8, 3^2, 12^6\})$	8217427968
12	$\mathcal{O}(3; \{2^4, 3^5, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{3^8, 12^6\})$	521902227456
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2, 12^6\})$	32869711872
12	$\mathcal{O}(3; \{2, 3^5, 4^2, 12^6\})$	260664459264
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4, 12^6\})$	131478847488
12	$\mathcal{O}(3; \{2^9, 6, 12^6\})$	4013162496
12	$\mathcal{O}(3; \{2^5, 3^3, 6, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{2, 3^6, 6, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2^6, 4^2, 6, 12^6\})$	16052649984
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2^3, 4^4, 6, 12^6\})$	64210599936
12	$\mathcal{O}(3; \{4^6, 6, 12^6\})$	256842399744
12	$\mathcal{O}(3; \{2^6, 3, 6^2, 12^6\})$	16243752960
12	$\mathcal{O}(3; \{2^2, 3^4, 6^2, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^2, 12^6\})$	64975011840
12	$\mathcal{O}(3; \{3, 4^4, 6^2, 12^6\})$	259900047360
12	$\mathcal{O}(3; \{2^3, 3^2, 6^3, 12^6\})$	65166114816
12	$\mathcal{O}(3; \{3^2, 4^2, 6^3, 12^6\})$	260664459264
12	$\mathcal{O}(3; \{2^4, 6^4, 12^6\})$	32678608896
12	$\mathcal{O}(3; \{3^3, 6^4, 12^6\})$	260855562240
12	$\mathcal{O}(3; \{2, 4^2, 6^4, 12^6\})$	130714435584
12	$\mathcal{O}(3; \{2, 3, 6^5, 12^6\})$	130523332608
12	$\mathcal{O}(3; \{2^6, 3, 4, 12^7\})$	32869711872
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 12^7\})$	260664459264
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 12^7\})$	131478847488
12	$\mathcal{O}(3; \{3, 4^5, 12^7\})$	525915389952
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6, 12^7\})$	130714435584
12	$\mathcal{O}(3; \{3^2, 4^3, 6, 12^7\})$	522857742336
12	$\mathcal{O}(3; \{2^4, 4, 6^2, 12^7\})$	64975011840
12	$\mathcal{O}(3; \{3^3, 4, 6^2, 12^7\})$	522093330432
12	$\mathcal{O}(3; \{2, 4^3, 6^2, 12^7\})$	259900047360
12	$\mathcal{O}(3; \{2, 3, 4, 6^3, 12^7\})$	260664459264

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 12^8\})$	32869711872
12	$\mathcal{O}(3; \{2^3, 3^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2^4, 4^2, 12^8\})$	131478847488
12	$\mathcal{O}(3; \{3^3, 4^2, 12^8\})$	1042657837056
12	$\mathcal{O}(3; \{2, 4^4, 12^8\})$	525915389952
12	$\mathcal{O}(3; \{2^4, 3, 6, 12^8\})$	130714435584
12	$\mathcal{O}(3; \{3^4, 6, 12^8\})$	1043422248960
12	$\mathcal{O}(3; \{2, 3, 4^2, 6, 12^8\})$	522857742336
12	$\mathcal{O}(3; \{2, 3^2, 6^2, 12^8\})$	522093330432
12	$\mathcal{O}(3; \{2^2, 6^3, 12^8\})$	260664459264
12	$\mathcal{O}(3; \{2, 3^2, 4, 12^9\})$	1042657837056
12	$\mathcal{O}(3; \{2^2, 4, 6, 12^9\})$	522857742336
12	$\mathcal{O}(3; \{2^2, 3, 12^{10}\})$	1042657837056
12	$\mathcal{O}(3; \{6^2, 12^{10}\})$	2088373321728
12	$\mathcal{O}(3; \{4, 12^{11}\})$	4170631348224
12	$\mathcal{O}(2; \{2^{20}, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^{16}, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^{11}, 4^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{14}, 4^2\})$	226520064
12	$\mathcal{O}(2; \{3^{17}, 4^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{17}, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^{13}, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^8, 4^4\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^{11}, 4^4\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{14}, 4^4\})$	906080256
12	$\mathcal{O}(2; \{2^{14}, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 3^5, 4^6\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^8, 4^6\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^{11}, 4^6\})$	452542464
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^5, 4^8\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^8, 4^8\})$	228261888
12	$\mathcal{O}(2; \{2^8, 3^2, 4^{10}\})$	21233664
12	$\mathcal{O}(2; \{2^4, 3^5, 4^{10}\})$	106168320
12	$\mathcal{O}(2; \{3^8, 4^{10}\})$	913047552
12	$\mathcal{O}(2; \{2^5, 3^2, 4^{12}\})$	84934656
12	$\mathcal{O}(2; \{2, 3^5, 4^{12}\})$	424673280
12	$\mathcal{O}(2; \{2^2, 3^2, 4^{14}\})$	339738624
12	$\mathcal{O}(2; \{2^{17}, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^{13}, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^9, 4^2, 6\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^{12}, 4^2, 6\})$	113218560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^{15}, 4^2, 6\})$	905997312
12	$\mathcal{O}(2; \{2^{14}, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^{10}, 3^6, 4^4, 6\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^9, 4^4, 6\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^{12}, 4^4, 6\})$	452874240
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^6, 4^6, 6\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^9, 4^6, 6\})$	226934784
12	$\mathcal{O}(2; \{2^8, 3^3, 4^8, 6\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^6, 4^8, 6\})$	111476736
12	$\mathcal{O}(2; \{3^9, 4^8, 6\})$	907739136
12	$\mathcal{O}(2; \{2^5, 3^3, 4^{10}, 6\})$	63700992
12	$\mathcal{O}(2; \{2, 3^6, 4^{10}, 6\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^{12}, 6\})$	254803968
12	$\mathcal{O}(2; \{2^{18}, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4^2, 6^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4^2, 6^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4^2, 6^2\})$	452957184
12	$\mathcal{O}(2; \{2^{15}, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^7, 4^4, 6^2\})$	28200960
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^4, 6^2\})$	226603008
12	$\mathcal{O}(2; \{2^{12}, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^4, 4^6, 6^2\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^7, 4^6, 6^2\})$	112803840
12	$\mathcal{O}(2; \{3^{10}, 4^6, 6^2\})$	906412032
12	$\mathcal{O}(2; \{2^9, 3, 4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3^4, 4^8, 6^2\})$	58392576
12	$\mathcal{O}(2; \{2, 3^7, 4^8, 6^2\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3, 4^{10}, 6^2\})$	21233664
12	$\mathcal{O}(2; \{2^2, 3^4, 4^{10}, 6^2\})$	233570304
12	$\mathcal{O}(2; \{2^3, 3, 4^{12}, 6^2\})$	84934656
12	$\mathcal{O}(2; \{3, 4^{14}, 6^2\})$	339738624
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^8, 4^2, 6^3\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^2, 6^3\})$	226520064
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^8, 3^5, 4^4, 6^3\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^8, 4^4, 6^3\})$	113135616
12	$\mathcal{O}(2; \{3^{11}, 4^4, 6^3\})$	906080256
12	$\mathcal{O}(2; \{2^9, 3^2, 4^6, 6^3\})$	6635520

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^5, 3^5, 4^6, 6^3\})$	57065472
12	$\mathcal{O}(2; \{2, 3^8, 4^6, 6^3\})$	452542464
12	$\mathcal{O}(2; \{2^6, 3^2, 4^8, 6^3\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3^5, 4^8, 6^3\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{10}, 6^3\})$	106168320
12	$\mathcal{O}(2; \{3^2, 4^{12}, 6^3\})$	424673280
12	$\mathcal{O}(2; \{2^{16}, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^8, 3^6, 4^2, 6^4\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^9, 4^2, 6^4\})$	113218560
12	$\mathcal{O}(2; \{3^{12}, 4^2, 6^4\})$	905997312
12	$\mathcal{O}(2; \{2^{13}, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^3, 4^4, 6^4\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3^6, 4^4, 6^4\})$	56733696
12	$\mathcal{O}(2; \{2, 3^9, 4^4, 6^4\})$	452874240
12	$\mathcal{O}(2; \{2^{10}, 4^6, 6^4\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^3, 4^6, 6^4\})$	27869184
12	$\mathcal{O}(2; \{2^2, 3^6, 4^6, 6^4\})$	226934784
12	$\mathcal{O}(2; \{2^7, 4^8, 6^4\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3^3, 4^8, 6^4\})$	111476736
12	$\mathcal{O}(2; \{2^4, 4^{10}, 6^4\})$	63700992
12	$\mathcal{O}(2; \{3^3, 4^{10}, 6^4\})$	445906944
12	$\mathcal{O}(2; \{2, 4^{12}, 6^4\})$	254803968
12	$\mathcal{O}(2; \{2^{13}, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^4, 4^2, 6^5\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^7, 4^2, 6^5\})$	56650752
12	$\mathcal{O}(2; \{2, 3^{10}, 4^2, 6^5\})$	452957184
12	$\mathcal{O}(2; \{2^{10}, 3, 4^4, 6^5\})$	3649536
12	$\mathcal{O}(2; \{2^6, 3^4, 4^4, 6^5\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^7, 4^4, 6^5\})$	226603008
12	$\mathcal{O}(2; \{2^7, 3, 4^6, 6^5\})$	14598144
12	$\mathcal{O}(2; \{2^3, 3^4, 4^6, 6^5\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3, 4^8, 6^5\})$	58392576
12	$\mathcal{O}(2; \{3^4, 4^8, 6^5\})$	451215360
12	$\mathcal{O}(2; \{2, 3, 4^{10}, 6^5\})$	233570304
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2, 6^6\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2, 6^6\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2, 6^6\})$	226520064
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4, 6^6\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4, 6^6\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6, 6^6\})$	57065472
12	$\mathcal{O}(2; \{3^5, 4^6, 6^6\})$	452542464
12	$\mathcal{O}(2; \{2, 3^2, 4^8, 6^6\})$	228261888

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{11}, 4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6^7\})$	14183424
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6^7\})$	113218560
12	$\mathcal{O}(2; \{2^8, 4^4, 6^7\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6^7\})$	56733696
12	$\mathcal{O}(2; \{3^6, 4^4, 6^7\})$	452874240
12	$\mathcal{O}(2; \{2^5, 4^6, 6^7\})$	27869184
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6^7\})$	226934784
12	$\mathcal{O}(2; \{2^2, 4^8, 6^7\})$	111476736
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^8\})$	7050240
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^8\})$	56650752
12	$\mathcal{O}(2; \{3^7, 4^2, 6^8\})$	452957184
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^8\})$	28200960
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^8\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^8\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^9\})$	28283904
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^9\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^9\})$	113135616
12	$\mathcal{O}(2; \{2^6, 4^2, 6^{10}\})$	14183424
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^{10}\})$	113218560
12	$\mathcal{O}(2; \{2^3, 4^4, 6^{10}\})$	56733696
12	$\mathcal{O}(2; \{4^6, 6^{10}\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^{11}\})$	56650752
12	$\mathcal{O}(2; \{3, 4^4, 6^{11}\})$	226603008
12	$\mathcal{O}(2; \{3^2, 4^2, 6^{12}\})$	226520064
12	$\mathcal{O}(2; \{2, 4^2, 6^{13}\})$	113218560
12	$\mathcal{O}(2; \{2^{21}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^{17}, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^{13}, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^9, 3^{10}, 4, 12\})$	28283904
12	$\mathcal{O}(2; \{2^5, 3^{13}, 4, 12\})$	226520064
12	$\mathcal{O}(2; \{2, 3^{16}, 4, 12\})$	1811911680
12	$\mathcal{O}(2; \{2^{18}, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^{14}, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^7, 4^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^{10}, 4^3, 12\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^{13}, 4^3, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{15}, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^{11}, 3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^7, 4^5, 12\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^{10}, 4^5, 12\})$	452542464
12	$\mathcal{O}(2; \{2^{12}, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^8, 3^4, 4^7, 12\})$	26542080

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^7, 4^7, 12\})$	228261888
12	$\mathcal{O}(2; \{3^{10}, 4^7, 12\})$	1810169856
12	$\mathcal{O}(2; \{2^9, 3, 4^9, 12\})$	21233664
12	$\mathcal{O}(2; \{2^5, 3^4, 4^9, 12\})$	106168320
12	$\mathcal{O}(2; \{2, 3^7, 4^9, 12\})$	913047552
12	$\mathcal{O}(2; \{2^6, 3, 4^{11}, 12\})$	84934656
12	$\mathcal{O}(2; \{2^2, 3^4, 4^{11}, 12\})$	424673280
12	$\mathcal{O}(2; \{2^3, 3, 4^{13}, 12\})$	339738624
12	$\mathcal{O}(2; \{3, 4^{15}, 12\})$	1358954496
12	$\mathcal{O}(2; \{2^{18}, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^{14}, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^8, 4, 6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^{11}, 4, 6, 12\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{14}, 4, 6, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{15}, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^{11}, 3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3^8, 4^3, 6, 12\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^{11}, 4^3, 6, 12\})$	452874240
12	$\mathcal{O}(2; \{2^{12}, 3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3^5, 4^5, 6, 12\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^8, 4^5, 6, 12\})$	226934784
12	$\mathcal{O}(2; \{3^{11}, 4^5, 6, 12\})$	1811496960
12	$\mathcal{O}(2; \{2^9, 3^2, 4^7, 6, 12\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3^5, 4^7, 6, 12\})$	111476736
12	$\mathcal{O}(2; \{2, 3^8, 4^7, 6, 12\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3^2, 4^9, 6, 12\})$	63700992
12	$\mathcal{O}(2; \{2^2, 3^5, 4^9, 6, 12\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^2, 4^{11}, 6, 12\})$	254803968
12	$\mathcal{O}(2; \{3^2, 4^{13}, 6, 12\})$	1019215872
12	$\mathcal{O}(2; \{2^{19}, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^9, 4, 6^2, 12\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4, 6^2, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{16}, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^8, 3^6, 4^3, 6^2, 12\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^9, 4^3, 6^2, 12\})$	226603008
12	$\mathcal{O}(2; \{3^{12}, 4^3, 6^2, 12\})$	1811828736
12	$\mathcal{O}(2; \{2^{13}, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 3^3, 4^5, 6^2, 12\})$	14598144
12	$\mathcal{O}(2; \{2^5, 3^6, 4^5, 6^2, 12\})$	112803840
12	$\mathcal{O}(2; \{2, 3^9, 4^5, 6^2, 12\})$	906412032

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^{10}, 4^7, 6^2, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^3, 4^7, 6^2, 12\})$	58392576
12	$\mathcal{O}(2; \{2^2, 3^6, 4^7, 6^2, 12\})$	451215360
12	$\mathcal{O}(2; \{2^7, 4^9, 6^2, 12\})$	21233664
12	$\mathcal{O}(2; \{2^3, 3^3, 4^9, 6^2, 12\})$	233570304
12	$\mathcal{O}(2; \{2^4, 4^{11}, 6^2, 12\})$	84934656
12	$\mathcal{O}(2; \{3^3, 4^{11}, 6^2, 12\})$	934281216
12	$\mathcal{O}(2; \{2, 4^{13}, 6^2, 12\})$	339738624
12	$\mathcal{O}(2; \{2^{16}, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^7, 4, 6^3, 12\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4, 6^3, 12\})$	226520064
12	$\mathcal{O}(2; \{3^{13}, 4, 6^3, 12\})$	1811911680
12	$\mathcal{O}(2; \{2^{13}, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^9, 3^4, 4^3, 6^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^7, 4^3, 6^3, 12\})$	113135616
12	$\mathcal{O}(2; \{2, 3^{10}, 4^3, 6^3, 12\})$	906080256
12	$\mathcal{O}(2; \{2^{10}, 3, 4^5, 6^3, 12\})$	6635520
12	$\mathcal{O}(2; \{2^6, 3^4, 4^5, 6^3, 12\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^7, 4^5, 6^3, 12\})$	452542464
12	$\mathcal{O}(2; \{2^7, 3, 4^7, 6^3, 12\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^4, 4^7, 6^3, 12\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3, 4^9, 6^3, 12\})$	106168320
12	$\mathcal{O}(2; \{3^4, 4^9, 6^3, 12\})$	913047552
12	$\mathcal{O}(2; \{2, 3, 4^{11}, 6^3, 12\})$	424673280
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^5, 4, 6^4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^8, 4, 6^4, 12\})$	113218560
12	$\mathcal{O}(2; \{2, 3^{11}, 4, 6^4, 12\})$	905997312
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^3, 6^4, 12\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3^5, 4^3, 6^4, 12\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^8, 4^3, 6^4, 12\})$	452874240
12	$\mathcal{O}(2; \{2^7, 3^2, 4^5, 6^4, 12\})$	27869184
12	$\mathcal{O}(2; \{2^3, 3^5, 4^5, 6^4, 12\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^2, 4^7, 6^4, 12\})$	111476736
12	$\mathcal{O}(2; \{3^5, 4^7, 6^4, 12\})$	907739136
12	$\mathcal{O}(2; \{2, 3^2, 4^9, 6^4, 12\})$	445906944
12	$\mathcal{O}(2; \{2^{14}, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4, 6^5, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^6, 4, 6^5, 12\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^9, 4, 6^5, 12\})$	452957184
12	$\mathcal{O}(2; \{2^{11}, 4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{2^7, 3^3, 4^3, 6^5, 12\})$	28200960

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^6, 4^3, 6^5, 12\})$	226603008
12	$\mathcal{O}(2; \{2^8, 4^5, 6^5, 12\})$	14598144
12	$\mathcal{O}(2; \{2^4, 3^3, 4^5, 6^5, 12\})$	112803840
12	$\mathcal{O}(2; \{3^6, 4^5, 6^5, 12\})$	906412032
12	$\mathcal{O}(2; \{2^5, 4^7, 6^5, 12\})$	58392576
12	$\mathcal{O}(2; \{2, 3^3, 4^7, 6^5, 12\})$	451215360
12	$\mathcal{O}(2; \{2^2, 4^9, 6^5, 12\})$	233570304
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 6^6, 12\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 6^6, 12\})$	226520064
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 6^6, 12\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 6^6, 12\})$	113135616
12	$\mathcal{O}(2; \{3^7, 4^3, 6^6, 12\})$	906080256
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 6^6, 12\})$	57065472
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 6^6, 12\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 6^6, 12\})$	228261888
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6^7, 12\})$	14183424
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6^7, 12\})$	113218560
12	$\mathcal{O}(2; \{3^8, 4, 6^7, 12\})$	905997312
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6^7, 12\})$	56733696
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6^7, 12\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6^7, 12\})$	226934784
12	$\mathcal{O}(2; \{2^9, 4, 6^8, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^8, 12\})$	56650752
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^8, 12\})$	452957184
12	$\mathcal{O}(2; \{2^6, 4^3, 6^8, 12\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^8, 12\})$	226603008
12	$\mathcal{O}(2; \{2^3, 4^5, 6^8, 12\})$	112803840
12	$\mathcal{O}(2; \{4^7, 6^8, 12\})$	451215360
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^9, 12\})$	28283904
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^9, 12\})$	226520064
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^9, 12\})$	113135616
12	$\mathcal{O}(2; \{3, 4^5, 6^9, 12\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^{10}, 12\})$	113218560
12	$\mathcal{O}(2; \{3^2, 4^3, 6^{10}, 12\})$	452874240
12	$\mathcal{O}(2; \{2^4, 4, 6^{11}, 12\})$	56650752
12	$\mathcal{O}(2; \{3^3, 4, 6^{11}, 12\})$	452957184
12	$\mathcal{O}(2; \{2, 4^3, 6^{11}, 12\})$	226603008
12	$\mathcal{O}(2; \{2, 3, 4, 6^{12}, 12\})$	226520064
12	$\mathcal{O}(2; \{2^{22}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^{18}, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{14}, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^{10}, 3^9, 12^2\})$	28283904

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^2, 3^{15}, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{19}, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^{15}, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^{11}, 3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^9, 4^2, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^{12}, 4^2, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{16}, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^{12}, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^8, 3^6, 4^4, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^9, 4^4, 12^2\})$	452542464
12	$\mathcal{O}(2; \{3^{12}, 4^4, 12^2\})$	3624321024
12	$\mathcal{O}(2; \{2^{13}, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^9, 3^3, 4^6, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^5, 3^6, 4^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{2, 3^9, 4^6, 12^2\})$	1810169856
12	$\mathcal{O}(2; \{2^{10}, 4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^6, 3^3, 4^8, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2^2, 3^6, 4^8, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^7, 4^{10}, 12^2\})$	84934656
12	$\mathcal{O}(2; \{2^3, 3^3, 4^{10}, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^4, 4^{12}, 12^2\})$	339738624
12	$\mathcal{O}(2; \{3^3, 4^{12}, 12^2\})$	1698693120
12	$\mathcal{O}(2; \{2, 4^{14}, 12^2\})$	1358954496
12	$\mathcal{O}(2; \{2^{19}, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^{15}, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{11}, 3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^7, 3^{10}, 6, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^3, 3^{13}, 6, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{16}, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^{12}, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^7, 4^2, 6, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^{10}, 4^2, 6, 12^2\})$	452874240
12	$\mathcal{O}(2; \{3^{13}, 4^2, 6, 12^2\})$	3623989248
12	$\mathcal{O}(2; \{2^{13}, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3^4, 4^4, 6, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^7, 4^4, 6, 12^2\})$	226934784
12	$\mathcal{O}(2; \{2, 3^{10}, 4^4, 6, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^{10}, 3, 4^6, 6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^4, 4^6, 6, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^7, 4^6, 6, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^7, 3, 4^8, 6, 12^2\})$	63700992
12	$\mathcal{O}(2; \{2^3, 3^4, 4^8, 6, 12^2\})$	445906944

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3, 4^{10}, 6, 12^2\})$	254803968
12	$\mathcal{O}(2; \{3^4, 4^{10}, 6, 12^2\})$	1783627776
12	$\mathcal{O}(2; \{2, 3, 4^{12}, 6, 12^2\})$	1019215872
12	$\mathcal{O}(2; \{2^{16}, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^{12}, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^8, 3^8, 6^2, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^4, 3^{11}, 6^2, 12^2\})$	452957184
12	$\mathcal{O}(2; \{3^{14}, 6^2, 12^2\})$	3623906304
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^9, 3^5, 4^2, 6^2, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^8, 4^2, 6^2, 12^2\})$	226603008
12	$\mathcal{O}(2; \{2, 3^{11}, 4^2, 6^2, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^4, 6^2, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^6, 3^5, 4^4, 6^2, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^8, 4^4, 6^2, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^7, 3^2, 4^6, 6^2, 12^2\})$	58392576
12	$\mathcal{O}(2; \{2^3, 3^5, 4^6, 6^2, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^2, 4^8, 6^2, 12^2\})$	233570304
12	$\mathcal{O}(2; \{3^5, 4^8, 6^2, 12^2\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^2, 4^{10}, 6^2, 12^2\})$	934281216
12	$\mathcal{O}(2; \{2^{17}, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^{13}, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^9, 3^6, 6^3, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^5, 3^9, 6^3, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2, 3^{12}, 6^3, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^{14}, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^2, 6^3, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^6, 3^6, 4^2, 6^3, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^9, 4^2, 6^3, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^{11}, 4^4, 6^3, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^7, 3^3, 4^4, 6^3, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3^6, 4^4, 6^3, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^8, 4^6, 6^3, 12^2\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^3, 4^6, 6^3, 12^2\})$	228261888
12	$\mathcal{O}(2; \{3^6, 4^6, 6^3, 12^2\})$	1810169856
12	$\mathcal{O}(2; \{2^5, 4^8, 6^3, 12^2\})$	106168320
12	$\mathcal{O}(2; \{2, 3^3, 4^8, 6^3, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^2, 4^{10}, 6^3, 12^2\})$	424673280
12	$\mathcal{O}(2; \{2^{14}, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^{10}, 3^4, 6^4, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^7, 6^4, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2^2, 3^{10}, 6^4, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^{11}, 3, 4^2, 6^4, 12^2\})$	6967296

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2, 6^4, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2, 6^4, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^8, 3, 4^4, 6^4, 12^2\})$	27869184
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4, 6^4, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3^7, 4^4, 6^4, 12^2\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 3, 4^6, 6^4, 12^2\})$	111476736
12	$\mathcal{O}(2; \{2, 3^4, 4^6, 6^4, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3, 4^8, 6^4, 12^2\})$	445906944
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6^5, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3^5, 6^5, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^3, 3^8, 6^5, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6^5, 12^2\})$	28200960
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6^5, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^8, 4^2, 6^5, 12^2\})$	1811828736
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6^5, 12^2\})$	112803840
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6^5, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6^5, 12^2\})$	451215360
12	$\mathcal{O}(2; \{2^{12}, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3^3, 6^6, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^4, 3^6, 6^6, 12^2\})$	226520064
12	$\mathcal{O}(2; \{3^9, 6^6, 12^2\})$	1811911680
12	$\mathcal{O}(2; \{2^9, 4^2, 6^6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^6, 12^2\})$	113135616
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^6, 12^2\})$	906080256
12	$\mathcal{O}(2; \{2^6, 4^4, 6^6, 12^2\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^6, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^3, 4^6, 6^6, 12^2\})$	228261888
12	$\mathcal{O}(2; \{4^8, 6^6, 12^2\})$	913047552
12	$\mathcal{O}(2; \{2^9, 3, 6^7, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^4, 6^7, 12^2\})$	113218560
12	$\mathcal{O}(2; \{2, 3^7, 6^7, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^7, 12^2\})$	56733696
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^7, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^7, 12^2\})$	226934784
12	$\mathcal{O}(2; \{3, 4^6, 6^7, 12^2\})$	907739136
12	$\mathcal{O}(2; \{2^6, 3^2, 6^8, 12^2\})$	56650752
12	$\mathcal{O}(2; \{2^2, 3^5, 6^8, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^8, 12^2\})$	226603008
12	$\mathcal{O}(2; \{3^2, 4^4, 6^8, 12^2\})$	906412032
12	$\mathcal{O}(2; \{2^7, 6^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^3, 3^3, 6^9, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^4, 4^2, 6^9, 12^2\})$	113135616
12	$\mathcal{O}(2; \{3^3, 4^2, 6^9, 12^2\})$	906080256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 4^4, 6^9, 12^2\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3, 6^{10}, 12^2\})$	113218560
12	$\mathcal{O}(2; \{3^4, 6^{10}, 12^2\})$	905997312
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^{10}, 12^2\})$	452874240
12	$\mathcal{O}(2; \{2, 3^2, 6^{11}, 12^2\})$	452957184
12	$\mathcal{O}(2; \{2^2, 6^{12}, 12^2\})$	226520064
12	$\mathcal{O}(2; \{2^{16}, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^{12}, 3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^8, 3^8, 4, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^{11}, 4, 12^3\})$	906080256
12	$\mathcal{O}(2; \{3^{14}, 4, 12^3\})$	7247646720
12	$\mathcal{O}(2; \{2^{13}, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^9, 3^5, 4^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^8, 4^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{2, 3^{11}, 4^3, 12^3\})$	3624321024
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^5, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^6, 3^5, 4^5, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^8, 4^5, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 3^2, 4^7, 12^3\})$	106168320
12	$\mathcal{O}(2; \{2^3, 3^5, 4^7, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^4, 3^2, 4^9, 12^3\})$	424673280
12	$\mathcal{O}(2; \{3^5, 4^9, 12^3\})$	3652190208
12	$\mathcal{O}(2; \{2, 3^2, 4^{11}, 12^3\})$	1698693120
12	$\mathcal{O}(2; \{2^{17}, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^{13}, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^9, 3^6, 4, 6, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^9, 4, 6, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2, 3^{12}, 4, 6, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^{14}, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^{10}, 3^3, 4^3, 6, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^6, 3^6, 4^3, 6, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^9, 4^3, 6, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^{11}, 4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^7, 3^3, 4^5, 6, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^3, 3^6, 4^5, 6, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^8, 4^7, 6, 12^3\})$	63700992
12	$\mathcal{O}(2; \{2^4, 3^3, 4^7, 6, 12^3\})$	445906944
12	$\mathcal{O}(2; \{3^6, 4^7, 6, 12^3\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 4^9, 6, 12^3\})$	254803968
12	$\mathcal{O}(2; \{2, 3^3, 4^9, 6, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2^2, 4^{11}, 6, 12^3\})$	1019215872
12	$\mathcal{O}(2; \{2^{14}, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4, 6^2, 12^3\})$	28200960

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^7, 4, 6^2, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4, 6^2, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^{11}, 3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^7, 3^4, 4^3, 6^2, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^7, 4^3, 6^2, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^8, 3, 4^5, 6^2, 12^3\})$	58392576
12	$\mathcal{O}(2; \{2^4, 3^4, 4^5, 6^2, 12^3\})$	451215360
12	$\mathcal{O}(2; \{3^7, 4^5, 6^2, 12^3\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 3, 4^7, 6^2, 12^3\})$	233570304
12	$\mathcal{O}(2; \{2, 3^4, 4^7, 6^2, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^2, 3, 4^9, 6^2, 12^3\})$	934281216
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4, 6^3, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^7, 3^5, 4, 6^3, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^8, 4, 6^3, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^8, 3^2, 4^3, 6^3, 12^3\})$	57065472
12	$\mathcal{O}(2; \{2^4, 3^5, 4^3, 6^3, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^8, 4^3, 6^3, 12^3\})$	3624321024
12	$\mathcal{O}(2; \{2^5, 3^2, 4^5, 6^3, 12^3\})$	228261888
12	$\mathcal{O}(2; \{2, 3^5, 4^5, 6^3, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^2, 4^7, 6^3, 12^3\})$	913047552
12	$\mathcal{O}(2; \{2^{12}, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 6^4, 12^3\})$	56733696
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 6^4, 12^3\})$	452874240
12	$\mathcal{O}(2; \{3^9, 4, 6^4, 12^3\})$	3623989248
12	$\mathcal{O}(2; \{2^9, 4^3, 6^4, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 6^4, 12^3\})$	226934784
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 6^4, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2^6, 4^5, 6^4, 12^3\})$	111476736
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 6^4, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^3, 4^7, 6^4, 12^3\})$	445906944
12	$\mathcal{O}(2; \{4^9, 6^4, 12^3\})$	1783627776
12	$\mathcal{O}(2; \{2^9, 3, 4, 6^5, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6^5, 12^3\})$	226603008
12	$\mathcal{O}(2; \{2, 3^7, 4, 6^5, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6^5, 12^3\})$	112803840
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6^5, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6^5, 12^3\})$	451215360
12	$\mathcal{O}(2; \{3, 4^7, 6^5, 12^3\})$	1804861440
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^6, 12^3\})$	113135616
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^6, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^6, 12^3\})$	452542464
12	$\mathcal{O}(2; \{3^2, 4^5, 6^6, 12^3\})$	1810169856
12	$\mathcal{O}(2; \{2^7, 4, 6^7, 12^3\})$	56733696

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^7, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^4, 4^3, 6^7, 12^3\})$	226934784
12	$\mathcal{O}(2; \{3^3, 4^3, 6^7, 12^3\})$	1811496960
12	$\mathcal{O}(2; \{2, 4^5, 6^7, 12^3\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^8, 12^3\})$	226603008
12	$\mathcal{O}(2; \{3^4, 4, 6^8, 12^3\})$	1811828736
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^8, 12^3\})$	906412032
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^9, 12^3\})$	906080256
12	$\mathcal{O}(2; \{2^2, 4, 6^{10}, 12^3\})$	452874240
12	$\mathcal{O}(2; \{2^{17}, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^{13}, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^9, 3^7, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^5, 3^{10}, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2, 3^{13}, 12^4\})$	7247646720
12	$\mathcal{O}(2; \{2^{14}, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^{10}, 3^4, 4^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^7, 4^2, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2^2, 3^{10}, 4^2, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^{11}, 3, 4^4, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^7, 3^4, 4^4, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^7, 4^4, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^8, 3, 4^6, 12^4\})$	106168320
12	$\mathcal{O}(2; \{2^4, 3^4, 4^6, 12^4\})$	913047552
12	$\mathcal{O}(2; \{3^7, 4^6, 12^4\})$	7240679424
12	$\mathcal{O}(2; \{2^5, 3, 4^8, 12^4\})$	424673280
12	$\mathcal{O}(2; \{2, 3^4, 4^8, 12^4\})$	3652190208
12	$\mathcal{O}(2; \{2^2, 3, 4^{10}, 12^4\})$	1698693120
12	$\mathcal{O}(2; \{2^{14}, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^{10}, 3^5, 6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^6, 3^8, 6, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2^2, 3^{11}, 6, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^{11}, 3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^7, 3^5, 4^2, 6, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^8, 4^2, 6, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^8, 3^2, 4^4, 6, 12^4\})$	111476736
12	$\mathcal{O}(2; \{2^4, 3^5, 4^4, 6, 12^4\})$	907739136
12	$\mathcal{O}(2; \{3^8, 4^4, 6, 12^4\})$	7245987840
12	$\mathcal{O}(2; \{2^5, 3^2, 4^6, 6, 12^4\})$	445906944
12	$\mathcal{O}(2; \{2, 3^5, 4^6, 6, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^2, 4^8, 6, 12^4\})$	1783627776
12	$\mathcal{O}(2; \{2^{15}, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^{11}, 3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^7, 3^6, 6^2, 12^4\})$	226603008

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^9, 6^2, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{12}, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2, 6^2, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2, 6^2, 12^4\})$	906412032
12	$\mathcal{O}(2; \{3^9, 4^2, 6^2, 12^4\})$	7247314944
12	$\mathcal{O}(2; \{2^9, 4^4, 6^2, 12^4\})$	58392576
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4, 6^2, 12^4\})$	451215360
12	$\mathcal{O}(2; \{2, 3^6, 4^4, 6^2, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2^6, 4^6, 6^2, 12^4\})$	233570304
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6, 6^2, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^3, 4^8, 6^2, 12^4\})$	934281216
12	$\mathcal{O}(2; \{4^{10}, 6^2, 12^4\})$	3737124864
12	$\mathcal{O}(2; \{2^{12}, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^8, 3^4, 6^3, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^4, 3^7, 6^3, 12^4\})$	906080256
12	$\mathcal{O}(2; \{3^{10}, 6^3, 12^4\})$	7247646720
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6^3, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6^3, 12^4\})$	452542464
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6^3, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6^3, 12^4\})$	228261888
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6^3, 12^4\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6^3, 12^4\})$	913047552
12	$\mathcal{O}(2; \{3, 4^8, 6^3, 12^4\})$	3652190208
12	$\mathcal{O}(2; \{2^9, 3^2, 6^4, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^5, 3^5, 6^4, 12^4\})$	452874240
12	$\mathcal{O}(2; \{2, 3^8, 6^4, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^4, 12^4\})$	226934784
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^4, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^4, 12^4\})$	907739136
12	$\mathcal{O}(2; \{3^2, 4^6, 6^4, 12^4\})$	3630956544
12	$\mathcal{O}(2; \{2^{10}, 6^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^6, 3^3, 6^5, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2^2, 3^6, 6^5, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^7, 4^2, 6^5, 12^4\})$	112803840
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^5, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^4, 4^4, 6^5, 12^4\})$	451215360
12	$\mathcal{O}(2; \{3^3, 4^4, 6^5, 12^4\})$	3625648128
12	$\mathcal{O}(2; \{2, 4^6, 6^5, 12^4\})$	1804861440
12	$\mathcal{O}(2; \{2^7, 3, 6^6, 12^4\})$	113135616
12	$\mathcal{O}(2; \{2^3, 3^4, 6^6, 12^4\})$	906080256
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^6, 12^4\})$	452542464
12	$\mathcal{O}(2; \{3^4, 4^2, 6^6, 12^4\})$	3624321024
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^6, 12^4\})$	1810169856

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^2, 6^7, 12^4\})$	452874240
12	$\mathcal{O}(2; \{3^5, 6^7, 12^4\})$	3623989248
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^7, 12^4\})$	1811496960
12	$\mathcal{O}(2; \{2^5, 6^8, 12^4\})$	226603008
12	$\mathcal{O}(2; \{2, 3^3, 6^8, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^2, 4^2, 6^8, 12^4\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3, 6^9, 12^4\})$	906080256
12	$\mathcal{O}(2; \{6^{11}, 12^4\})$	1811828736
12	$\mathcal{O}(2; \{2^{15}, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{2^{11}, 3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^7, 3^6, 4, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^9, 4, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^{12}, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2^8, 3^3, 4^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^4, 3^6, 4^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{3^9, 4^3, 12^5\})$	14497284096
12	$\mathcal{O}(2; \{2^9, 4^5, 12^5\})$	106168320
12	$\mathcal{O}(2; \{2^5, 3^3, 4^5, 12^5\})$	913047552
12	$\mathcal{O}(2; \{2, 3^6, 4^5, 12^5\})$	7240679424
12	$\mathcal{O}(2; \{2^6, 4^7, 12^5\})$	424673280
12	$\mathcal{O}(2; \{2^2, 3^3, 4^7, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^3, 4^9, 12^5\})$	1698693120
12	$\mathcal{O}(2; \{4^{11}, 12^5\})$	6794772480
12	$\mathcal{O}(2; \{2^{12}, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^8, 3^4, 4, 6, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^7, 4, 6, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{3^{10}, 4, 6, 12^5\})$	14495956992
12	$\mathcal{O}(2; \{2^9, 3, 4^3, 6, 12^5\})$	111476736
12	$\mathcal{O}(2; \{2^5, 3^4, 4^3, 6, 12^5\})$	907739136
12	$\mathcal{O}(2; \{2, 3^7, 4^3, 6, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2^6, 3, 4^5, 6, 12^5\})$	445906944
12	$\mathcal{O}(2; \{2^2, 3^4, 4^5, 6, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^3, 3, 4^7, 6, 12^5\})$	1783627776
12	$\mathcal{O}(2; \{3, 4^9, 6, 12^5\})$	7134511104
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 6^2, 12^5\})$	112803840
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 6^2, 12^5\})$	906412032
12	$\mathcal{O}(2; \{2, 3^8, 4, 6^2, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 6^2, 12^5\})$	451215360
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 6^2, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 6^2, 12^5\})$	1804861440
12	$\mathcal{O}(2; \{3^2, 4^7, 6^2, 12^5\})$	7219445760
12	$\mathcal{O}(2; \{2^{10}, 4, 6^3, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6^3, 12^5\})$	452542464

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6^3, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^7, 4^3, 6^3, 12^5\})$	228261888
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6^3, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^4, 4^5, 6^3, 12^5\})$	913047552
12	$\mathcal{O}(2; \{3^3, 4^5, 6^3, 12^5\})$	7240679424
12	$\mathcal{O}(2; \{2, 4^7, 6^3, 12^5\})$	3652190208
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^4, 12^5\})$	226934784
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^4, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^4, 12^5\})$	907739136
12	$\mathcal{O}(2; \{3^4, 4^3, 6^4, 12^5\})$	7245987840
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^4, 12^5\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^5, 12^5\})$	906412032
12	$\mathcal{O}(2; \{3^5, 4, 6^5, 12^5\})$	7247314944
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^5, 12^5\})$	3625648128
12	$\mathcal{O}(2; \{2^5, 4, 6^6, 12^5\})$	452542464
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^6, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^2, 4^3, 6^6, 12^5\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^7, 12^5\})$	1811496960
12	$\mathcal{O}(2; \{4, 6^9, 12^5\})$	3624321024
12	$\mathcal{O}(2; \{2^{12}, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^8, 3^5, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^4, 3^8, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{3^{11}, 12^6\})$	28990586880
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2, 12^6\})$	228261888
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^8, 4^2, 12^6\})$	14497284096
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4, 12^6\})$	913047552
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6, 12^6\})$	3652190208
12	$\mathcal{O}(2; \{3^2, 4^8, 12^6\})$	14608760832
12	$\mathcal{O}(2; \{2^{13}, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{2^9, 3^3, 6, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^5, 3^6, 6, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{2, 3^9, 6, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^{10}, 4^2, 6, 12^6\})$	111476736
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^7, 4^4, 6, 12^6\})$	445906944
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^4, 4^6, 6, 12^6\})$	1783627776
12	$\mathcal{O}(2; \{3^3, 4^6, 6, 12^6\})$	14523826176
12	$\mathcal{O}(2; \{2, 4^8, 6, 12^6\})$	7134511104
12	$\mathcal{O}(2; \{2^{10}, 3, 6^2, 12^6\})$	112803840

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^6, 3^4, 6^2, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2^2, 3^7, 6^2, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^2, 12^6\})$	451215360
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^2, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^2, 12^6\})$	1804861440
12	$\mathcal{O}(2; \{3^4, 4^4, 6^2, 12^6\})$	14502592512
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^2, 12^6\})$	7219445760
12	$\mathcal{O}(2; \{2^7, 3^2, 6^3, 12^6\})$	452542464
12	$\mathcal{O}(2; \{2^3, 3^5, 6^3, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^3, 12^6\})$	1810169856
12	$\mathcal{O}(2; \{3^5, 4^2, 6^3, 12^6\})$	14497284096
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^3, 12^6\})$	7240679424
12	$\mathcal{O}(2; \{2^8, 6^4, 12^6\})$	226934784
12	$\mathcal{O}(2; \{2^4, 3^3, 6^4, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{3^6, 6^4, 12^6\})$	14495956992
12	$\mathcal{O}(2; \{2^5, 4^2, 6^4, 12^6\})$	907739136
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^4, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{2^2, 4^4, 6^4, 12^6\})$	3630956544
12	$\mathcal{O}(2; \{2^5, 3, 6^5, 12^6\})$	906412032
12	$\mathcal{O}(2; \{2, 3^4, 6^5, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^5, 12^6\})$	3625648128
12	$\mathcal{O}(2; \{2^2, 3^2, 6^6, 12^6\})$	3624321024
12	$\mathcal{O}(2; \{2^3, 6^7, 12^6\})$	1811496960
12	$\mathcal{O}(2; \{4^2, 6^7, 12^6\})$	7245987840
12	$\mathcal{O}(2; \{3, 6^8, 12^6\})$	7247314944
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 12^7\})$	228261888
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 12^7\})$	913047552
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 12^7\})$	3652190208
12	$\mathcal{O}(2; \{3^4, 4^5, 12^7\})$	28962717696
12	$\mathcal{O}(2; \{2, 3, 4^7, 12^7\})$	14608760832
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6, 12^7\})$	907739136
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6, 12^7\})$	3630956544
12	$\mathcal{O}(2; \{3^5, 4^3, 6, 12^7\})$	28983951360
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6, 12^7\})$	14523826176
12	$\mathcal{O}(2; \{2^8, 4, 6^2, 12^7\})$	451215360
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^2, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{3^6, 4, 6^2, 12^7\})$	28989259776
12	$\mathcal{O}(2; \{2^5, 4^3, 6^2, 12^7\})$	1804861440
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^2, 12^7\})$	14502592512

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^5, 6^2, 12^7\})$	7219445760
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^3, 12^7\})$	1810169856
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^3, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^3, 12^7\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^4, 12^7\})$	7245987840
12	$\mathcal{O}(2; \{2^3, 4, 6^5, 12^7\})$	3625648128
12	$\mathcal{O}(2; \{4^3, 6^5, 12^7\})$	14502592512
12	$\mathcal{O}(2; \{3, 4, 6^6, 12^7\})$	14497284096
12	$\mathcal{O}(2; \{2^{11}, 12^8\})$	228261888
12	$\mathcal{O}(2; \{2^7, 3^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2^3, 3^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^8, 4^2, 12^8\})$	913047552
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{3^6, 4^2, 12^8\})$	57989136384
12	$\mathcal{O}(2; \{2^5, 4^4, 12^8\})$	3652190208
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 12^8\})$	28962717696
12	$\mathcal{O}(2; \{2^2, 4^6, 12^8\})$	14608760832
12	$\mathcal{O}(2; \{2^8, 3, 6, 12^8\})$	907739136
12	$\mathcal{O}(2; \{2^4, 3^4, 6, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{3^7, 6, 12^8\})$	57983827968
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6, 12^8\})$	3630956544
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6, 12^8\})$	14523826176
12	$\mathcal{O}(2; \{2^5, 3^2, 6^2, 12^8\})$	3625648128
12	$\mathcal{O}(2; \{2, 3^5, 6^2, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^2, 12^8\})$	14502592512
12	$\mathcal{O}(2; \{2^6, 6^3, 12^8\})$	1810169856
12	$\mathcal{O}(2; \{2^2, 3^3, 6^3, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^3, 4^2, 6^3, 12^8\})$	7240679424
12	$\mathcal{O}(2; \{4^4, 6^3, 12^8\})$	28962717696
12	$\mathcal{O}(2; \{2^3, 3, 6^4, 12^8\})$	7245987840
12	$\mathcal{O}(2; \{3, 4^2, 6^4, 12^8\})$	28983951360
12	$\mathcal{O}(2; \{3^2, 6^5, 12^8\})$	28989259776
12	$\mathcal{O}(2; \{2, 6^6, 12^8\})$	14497284096
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 12^9\})$	7240679424
12	$\mathcal{O}(2; \{2, 3^5, 4, 12^9\})$	57989136384
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 12^9\})$	28962717696
12	$\mathcal{O}(2; \{2^6, 4, 6, 12^9\})$	3630956544
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^3, 4^3, 6, 12^9\})$	14523826176
12	$\mathcal{O}(2; \{4^5, 6, 12^9\})$	58095304704
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^2, 12^9\})$	14502592512
12	$\mathcal{O}(2; \{3, 4^3, 6^2, 12^9\})$	58010370048

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 4, 6^3, 12^9\})$	57989136384
12	$\mathcal{O}(2; \{2, 4, 6^4, 12^9\})$	28983951360
12	$\mathcal{O}(2; \{2^6, 3, 12^{10}\})$	7240679424
12	$\mathcal{O}(2; \{2^2, 3^4, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 12^{10}\})$	28962717696
12	$\mathcal{O}(2; \{3, 4^4, 12^{10}\})$	115850870784
12	$\mathcal{O}(2; \{2^3, 3^2, 6, 12^{10}\})$	28983951360
12	$\mathcal{O}(2; \{3^2, 4^2, 6, 12^{10}\})$	115935805440
12	$\mathcal{O}(2; \{2^4, 6^2, 12^{10}\})$	14502592512
12	$\mathcal{O}(2; \{3^3, 6^2, 12^{10}\})$	115957039104
12	$\mathcal{O}(2; \{2, 4^2, 6^2, 12^{10}\})$	58010370048
12	$\mathcal{O}(2; \{2, 3, 6^3, 12^{10}\})$	57989136384
12	$\mathcal{O}(2; \{2^4, 4, 12^{11}\})$	28962717696
12	$\mathcal{O}(2; \{3^3, 4, 12^{11}\})$	231956545536
12	$\mathcal{O}(2; \{2, 4^3, 12^{11}\})$	115850870784
12	$\mathcal{O}(2; \{2, 3, 4, 6, 12^{11}\})$	115935805440
12	$\mathcal{O}(2; \{2, 3^2, 12^{12}\})$	231956545536
12	$\mathcal{O}(2; \{2^2, 6, 12^{12}\})$	115935805440
12	$\mathcal{O}(2; \{12^{14}\})$	927826182144
12	$\mathcal{O}(1; \{2^{24}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{20}, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{14}, 4^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{17}, 4^2\})$	12582720
12	$\mathcal{O}(1; \{3^{20}, 4^2\})$	100663488
12	$\mathcal{O}(1; \{2^{21}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^{17}, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^{11}, 4^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{14}, 4^4\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{17}, 4^4\})$	50330880
12	$\mathcal{O}(1; \{2^{18}, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^{14}, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^8, 4^6\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^{11}, 4^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^{14}, 4^6\})$	25168896
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^8, 4^8\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^8\})$	12570624
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^8, 3^5, 4^{10}\})$	737280

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^8, 4^{10}\})$	6340608
12	$\mathcal{O}(1; \{3^{11}, 4^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^9, 3^2, 4^{12}\})$	589824
12	$\mathcal{O}(1; \{2^5, 3^5, 4^{12}\})$	2949120
12	$\mathcal{O}(1; \{2, 3^8, 4^{12}\})$	25362432
12	$\mathcal{O}(1; \{2^6, 3^2, 4^{14}\})$	2359296
12	$\mathcal{O}(1; \{2^2, 3^5, 4^{14}\})$	11796480
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{16}\})$	9437184
12	$\mathcal{O}(1; \{3^2, 4^{18}\})$	37748736
12	$\mathcal{O}(1; \{2^{21}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^{17}, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^{12}, 4^2, 6\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{15}, 4^2, 6\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{18}, 4^2, 6\})$	50331456
12	$\mathcal{O}(1; \{2^{18}, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^{14}, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^9, 4^4, 6\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^{12}, 4^4, 6\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{15}, 4^4, 6\})$	25166592
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^9, 4^6, 6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4^6, 6\})$	12579840
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^6, 4^8, 6\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^9, 4^8, 6\})$	6303744
12	$\mathcal{O}(1; \{3^{12}, 4^8, 6\})$	50319360
12	$\mathcal{O}(1; \{2^9, 3^3, 4^{10}, 6\})$	442368
12	$\mathcal{O}(1; \{2^5, 3^6, 4^{10}, 6\})$	3096576
12	$\mathcal{O}(1; \{2, 3^9, 4^{10}, 6\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^3, 4^{12}, 6\})$	1769472
12	$\mathcal{O}(1; \{2^2, 3^6, 4^{12}, 6\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^{14}, 6\})$	7077888
12	$\mathcal{O}(1; \{3^3, 4^{16}, 6\})$	28311552
12	$\mathcal{O}(1; \{2^{22}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4^2, 6^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4^2, 6^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4^2, 6^2\})$	25166016
12	$\mathcal{O}(1; \{2^{19}, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^4, 6^2\})$	25344

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^4, 6^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^4, 6^2\})$	12582144
12	$\mathcal{O}(1; \{2^{16}, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^7, 4^6, 6^2\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^6, 6^2\})$	6294528
12	$\mathcal{O}(1; \{3^{13}, 4^6, 6^2\})$	50328576
12	$\mathcal{O}(1; \{2^{13}, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^4, 4^8, 6^2\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^7, 4^8, 6^2\})$	3133440
12	$\mathcal{O}(1; \{2, 3^{10}, 4^8, 6^2\})$	25178112
12	$\mathcal{O}(1; \{2^{10}, 3, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^6, 3^4, 4^{10}, 6^2\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^7, 4^{10}, 6^2\})$	12533760
12	$\mathcal{O}(1; \{2^7, 3, 4^{12}, 6^2\})$	589824
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{12}, 6^2\})$	6488064
12	$\mathcal{O}(1; \{2^4, 3, 4^{14}, 6^2\})$	2359296
12	$\mathcal{O}(1; \{3^4, 4^{14}, 6^2\})$	25952256
12	$\mathcal{O}(1; \{2, 3, 4^{16}, 6^2\})$	9437184
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^2, 6^3\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^2, 6^3\})$	12582720
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^8, 4^4, 6^3\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^4, 6^3\})$	6292224
12	$\mathcal{O}(1; \{3^{14}, 4^4, 6^3\})$	50330880
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^9, 3^5, 4^6, 6^3\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^8, 4^6, 6^3\})$	3142656
12	$\mathcal{O}(1; \{2, 3^{11}, 4^6, 6^3\})$	25168896
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^8, 6^3\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^5, 4^8, 6^3\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^8, 4^8, 6^3\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{10}, 6^3\})$	737280
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{10}, 6^3\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{12}, 6^3\})$	2949120
12	$\mathcal{O}(1; \{3^5, 4^{12}, 6^3\})$	25362432
12	$\mathcal{O}(1; \{2, 3^2, 4^{14}, 6^3\})$	11796480
12	$\mathcal{O}(1; \{2^{20}, 4^2, 6^4\})$	1728

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^9, 4^2, 6^4\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^2, 6^4\})$	6291648
12	$\mathcal{O}(1; \{3^{15}, 4^2, 6^4\})$	50331456
12	$\mathcal{O}(1; \{2^{17}, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^9, 3^6, 4^4, 6^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^9, 4^4, 6^4\})$	3144960
12	$\mathcal{O}(1; \{2, 3^{12}, 4^4, 6^4\})$	25166592
12	$\mathcal{O}(1; \{2^{14}, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^6, 6^4\})$	193536
12	$\mathcal{O}(1; \{2^6, 3^6, 4^6, 6^4\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^9, 4^6, 6^4\})$	12579840
12	$\mathcal{O}(1; \{2^{11}, 4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^3, 4^8, 6^4\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^6, 4^8, 6^4\})$	6303744
12	$\mathcal{O}(1; \{2^8, 4^{10}, 6^4\})$	442368
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{10}, 6^4\})$	3096576
12	$\mathcal{O}(1; \{3^6, 4^{10}, 6^4\})$	25214976
12	$\mathcal{O}(1; \{2^5, 4^{12}, 6^4\})$	1769472
12	$\mathcal{O}(1; \{2, 3^3, 4^{12}, 6^4\})$	12386304
12	$\mathcal{O}(1; \{2^2, 4^{14}, 6^4\})$	7077888
12	$\mathcal{O}(1; \{2^{17}, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^7, 4^2, 6^5\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^2, 6^5\})$	3145536
12	$\mathcal{O}(1; \{2, 3^{13}, 4^2, 6^5\})$	25166016
12	$\mathcal{O}(1; \{2^{14}, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^4, 6^5\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^7, 4^4, 6^5\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^4, 6^5\})$	12582144
12	$\mathcal{O}(1; \{2^{11}, 3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^7, 3^4, 4^6, 6^5\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^7, 4^6, 6^5\})$	6294528
12	$\mathcal{O}(1; \{2^8, 3, 4^8, 6^5\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^4, 4^8, 6^5\})$	3133440
12	$\mathcal{O}(1; \{3^7, 4^8, 6^5\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3, 4^{10}, 6^5\})$	1622016
12	$\mathcal{O}(1; \{2, 3^4, 4^{10}, 6^5\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3, 4^{12}, 6^5\})$	6488064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2, 6^6\})$	196416

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2, 6^6\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2, 6^6\})$	12582720
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4, 6^6\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4, 6^6\})$	6292224
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6, 6^6\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6, 6^6\})$	3142656
12	$\mathcal{O}(1; \{3^8, 4^6, 6^6\})$	25168896
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8, 6^6\})$	1585152
12	$\mathcal{O}(1; \{2, 3^5, 4^8, 6^6\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}, 6^6\})$	6340608
12	$\mathcal{O}(1; \{2^{15}, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6^7\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6^7\})$	6291648
12	$\mathcal{O}(1; \{2^{12}, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6^7\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6^7\})$	3144960
12	$\mathcal{O}(1; \{3^9, 4^4, 6^7\})$	25166592
12	$\mathcal{O}(1; \{2^9, 4^6, 6^7\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6^7\})$	1575936
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6^7\})$	12579840
12	$\mathcal{O}(1; \{2^6, 4^8, 6^7\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6^7\})$	6303744
12	$\mathcal{O}(1; \{2^3, 4^{10}, 6^7\})$	3096576
12	$\mathcal{O}(1; \{4^{12}, 6^7\})$	12386304
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^8\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^8\})$	3145536
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^8\})$	25166016
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^8\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^8\})$	1573632
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^8\})$	12582144
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^8\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^8\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^8\})$	3133440
12	$\mathcal{O}(1; \{3, 4^{10}, 6^8\})$	12533760
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^9\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^9\})$	1573056
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^9\})$	12582720
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^9\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^9\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^9\})$	3142656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4^8, 6^9\})$	12570624
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^{10}\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^{10}\})$	786240
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^{10}\})$	6291648
12	$\mathcal{O}(1; \{2^7, 4^4, 6^{10}\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^{10}\})$	3144960
12	$\mathcal{O}(1; \{2^4, 4^6, 6^{10}\})$	1575936
12	$\mathcal{O}(1; \{3^3, 4^6, 6^{10}\})$	12579840
12	$\mathcal{O}(1; \{2, 4^8, 6^{10}\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^{11}\})$	393408
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^{11}\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^{11}\})$	1573632
12	$\mathcal{O}(1; \{3^4, 4^4, 6^{11}\})$	12582144
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^{11}\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^{12}\})$	1573056
12	$\mathcal{O}(1; \{3^5, 4^2, 6^{12}\})$	12582720
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^{12}\})$	6292224
12	$\mathcal{O}(1; \{2^5, 4^2, 6^{13}\})$	786240
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^{13}\})$	6291648
12	$\mathcal{O}(1; \{2^2, 4^4, 6^{13}\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^{14}\})$	3145536
12	$\mathcal{O}(1; \{4^2, 6^{16}\})$	6291648
12	$\mathcal{O}(1; \{2^{25}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{21}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^{17}, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^{13}, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^{13}, 4, 12\})$	1573056
12	$\mathcal{O}(1; \{2^5, 3^{16}, 4, 12\})$	12582720
12	$\mathcal{O}(1; \{2, 3^{19}, 4, 12\})$	100663488
12	$\mathcal{O}(1; \{2^{22}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^{18}, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^{10}, 4^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^{13}, 4^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{16}, 4^3, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{19}, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^{15}, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^{11}, 3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^{10}, 4^5, 12\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^{13}, 4^5, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{16}, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^7, 4^7, 12\})$	1585152

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4^7, 12\})$	12570624
12	$\mathcal{O}(1; \{3^{13}, 4^7, 12\})$	100675584
12	$\mathcal{O}(1; \{2^{13}, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^4, 4^9, 12\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^7, 4^9, 12\})$	6340608
12	$\mathcal{O}(1; \{2, 3^{10}, 4^9, 12\})$	50282496
12	$\mathcal{O}(1; \{2^{10}, 3, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^6, 3^4, 4^{11}, 12\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^7, 4^{11}, 12\})$	25362432
12	$\mathcal{O}(1; \{2^7, 3, 4^{13}, 12\})$	2359296
12	$\mathcal{O}(1; \{2^3, 3^4, 4^{13}, 12\})$	11796480
12	$\mathcal{O}(1; \{2^4, 3, 4^{15}, 12\})$	9437184
12	$\mathcal{O}(1; \{3^4, 4^{15}, 12\})$	47185920
12	$\mathcal{O}(1; \{2, 3, 4^{17}, 12\})$	37748736
12	$\mathcal{O}(1; \{2^{22}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^{18}, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^{11}, 4, 6, 12\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{14}, 4, 6, 12\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{17}, 4, 6, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{19}, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^{15}, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^{11}, 4^3, 6, 12\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{14}, 4^3, 6, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{16}, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^8, 4^5, 6, 12\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^{11}, 4^5, 6, 12\})$	12579840
12	$\mathcal{O}(1; \{3^{14}, 4^5, 6, 12\})$	100666368
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^9, 3^5, 4^7, 6, 12\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^8, 4^7, 6, 12\})$	6303744
12	$\mathcal{O}(1; \{2, 3^{11}, 4^7, 6, 12\})$	50319360
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^9, 6, 12\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^5, 4^9, 6, 12\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^8, 4^9, 6, 12\})$	25214976
12	$\mathcal{O}(1; \{2^7, 3^2, 4^{11}, 6, 12\})$	1769472
12	$\mathcal{O}(1; \{2^3, 3^5, 4^{11}, 6, 12\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^2, 4^{13}, 6, 12\})$	7077888
12	$\mathcal{O}(1; \{3^5, 4^{13}, 6, 12\})$	49545216
12	$\mathcal{O}(1; \{2, 3^2, 4^{15}, 6, 12\})$	28311552
12	$\mathcal{O}(1; \{2^{23}, 4, 6^2, 12\})$	576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4, 6^2, 12\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4, 6^2, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{20}, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^9, 4^3, 6^2, 12\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^3, 6^2, 12\})$	12582144
12	$\mathcal{O}(1; \{3^{15}, 4^3, 6^2, 12\})$	100664064
12	$\mathcal{O}(1; \{2^{17}, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^9, 3^6, 4^5, 6^2, 12\})$	783360
12	$\mathcal{O}(1; \{2^5, 3^9, 4^5, 6^2, 12\})$	6294528
12	$\mathcal{O}(1; \{2, 3^{12}, 4^5, 6^2, 12\})$	50328576
12	$\mathcal{O}(1; \{2^{14}, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^7, 6^2, 12\})$	405504
12	$\mathcal{O}(1; \{2^6, 3^6, 4^7, 6^2, 12\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^9, 4^7, 6^2, 12\})$	25178112
12	$\mathcal{O}(1; \{2^{11}, 4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^7, 3^3, 4^9, 6^2, 12\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^6, 4^9, 6^2, 12\})$	12533760
12	$\mathcal{O}(1; \{2^8, 4^{11}, 6^2, 12\})$	589824
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{11}, 6^2, 12\})$	6488064
12	$\mathcal{O}(1; \{3^6, 4^{11}, 6^2, 12\})$	50135040
12	$\mathcal{O}(1; \{2^5, 4^{13}, 6^2, 12\})$	2359296
12	$\mathcal{O}(1; \{2, 3^3, 4^{13}, 6^2, 12\})$	25952256
12	$\mathcal{O}(1; \{2^2, 4^{15}, 6^2, 12\})$	9437184
12	$\mathcal{O}(1; \{2^{20}, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4, 6^3, 12\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4, 6^3, 12\})$	12582720
12	$\mathcal{O}(1; \{3^{16}, 4, 6^3, 12\})$	100663488
12	$\mathcal{O}(1; \{2^{17}, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^7, 4^3, 6^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^3, 6^3, 12\})$	6292224
12	$\mathcal{O}(1; \{2, 3^{13}, 4^3, 6^3, 12\})$	50330880
12	$\mathcal{O}(1; \{2^{14}, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^5, 6^3, 12\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^7, 4^5, 6^3, 12\})$	3142656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^5, 6^3, 12\})$	25168896
12	$\mathcal{O}(1; \{2^{11}, 3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^4, 4^7, 6^3, 12\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^7, 4^7, 6^3, 12\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3, 4^9, 6^3, 12\})$	737280
12	$\mathcal{O}(1; \{2^4, 3^4, 4^9, 6^3, 12\})$	6340608
12	$\mathcal{O}(1; \{3^7, 4^9, 6^3, 12\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3, 4^{11}, 6^3, 12\})$	2949120
12	$\mathcal{O}(1; \{2, 3^4, 4^{11}, 6^3, 12\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3, 4^{13}, 6^3, 12\})$	11796480
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^8, 4, 6^4, 12\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4, 6^4, 12\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{14}, 4, 6^4, 12\})$	50331456
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^3, 6^4, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^8, 4^3, 6^4, 12\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^3, 6^4, 12\})$	25166592
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 3^5, 4^5, 6^4, 12\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^8, 4^5, 6^4, 12\})$	12579840
12	$\mathcal{O}(1; \{2^8, 3^2, 4^7, 6^4, 12\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^5, 4^7, 6^4, 12\})$	6303744
12	$\mathcal{O}(1; \{3^8, 4^7, 6^4, 12\})$	50319360
12	$\mathcal{O}(1; \{2^5, 3^2, 4^9, 6^4, 12\})$	3096576
12	$\mathcal{O}(1; \{2, 3^5, 4^9, 6^4, 12\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{11}, 6^4, 12\})$	12386304
12	$\mathcal{O}(1; \{2^{18}, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4, 6^5, 12\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^9, 4, 6^5, 12\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4, 6^5, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{15}, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^6, 4^3, 6^5, 12\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^9, 4^3, 6^5, 12\})$	12582144
12	$\mathcal{O}(1; \{2^{12}, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 3^3, 4^5, 6^5, 12\})$	783360
12	$\mathcal{O}(1; \{2^4, 3^6, 4^5, 6^5, 12\})$	6294528
12	$\mathcal{O}(1; \{3^9, 4^5, 6^5, 12\})$	50328576
12	$\mathcal{O}(1; \{2^9, 4^7, 6^5, 12\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^3, 4^7, 6^5, 12\})$	3133440

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^6, 4^7, 6^5, 12\})$	25178112
12	$\mathcal{O}(1; \{2^6, 4^9, 6^5, 12\})$	1622016
12	$\mathcal{O}(1; \{2^2, 3^3, 4^9, 6^5, 12\})$	12533760
12	$\mathcal{O}(1; \{2^3, 4^{11}, 6^5, 12\})$	6488064
12	$\mathcal{O}(1; \{4^{13}, 6^5, 12\})$	25952256
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 6^6, 12\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 6^6, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 6^6, 12\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 6^6, 12\})$	6292224
12	$\mathcal{O}(1; \{3^{10}, 4^3, 6^6, 12\})$	50330880
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 6^6, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 6^6, 12\})$	3142656
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 6^6, 12\})$	25168896
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 6^6, 12\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 6^6, 12\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 6^6, 12\})$	6340608
12	$\mathcal{O}(1; \{3, 4^{11}, 6^6, 12\})$	25362432
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6^7, 12\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6^7, 12\})$	6291648
12	$\mathcal{O}(1; \{3^{11}, 4, 6^7, 12\})$	50331456
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6^7, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6^7, 12\})$	3144960
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6^7, 12\})$	25166592
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6^7, 12\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6^7, 12\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6^7, 12\})$	6303744
12	$\mathcal{O}(1; \{3^2, 4^9, 6^7, 12\})$	25214976
12	$\mathcal{O}(1; \{2^{13}, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^8, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^8, 12\})$	3145536
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^8, 12\})$	25166016
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^8, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^8, 12\})$	1573632
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^8, 12\})$	12582144
12	$\mathcal{O}(1; \{2^7, 4^5, 6^8, 12\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^8, 12\})$	6294528
12	$\mathcal{O}(1; \{2^4, 4^7, 6^8, 12\})$	3133440
12	$\mathcal{O}(1; \{3^3, 4^7, 6^8, 12\})$	25178112
12	$\mathcal{O}(1; \{2, 4^9, 6^8, 12\})$	12533760

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^9, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^9, 12\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^9, 12\})$	12582720
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^9, 12\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^9, 12\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^9, 12\})$	3142656
12	$\mathcal{O}(1; \{3^4, 4^5, 6^9, 12\})$	25168896
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^9, 12\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^{10}, 12\})$	786240
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^{10}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^{10}, 12\})$	3144960
12	$\mathcal{O}(1; \{3^5, 4^3, 6^{10}, 12\})$	25166592
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^{10}, 12\})$	12579840
12	$\mathcal{O}(1; \{2^8, 4, 6^{11}, 12\})$	393408
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^{11}, 12\})$	3145536
12	$\mathcal{O}(1; \{3^6, 4, 6^{11}, 12\})$	25166016
12	$\mathcal{O}(1; \{2^5, 4^3, 6^{11}, 12\})$	1573632
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^{11}, 12\})$	12582144
12	$\mathcal{O}(1; \{2^2, 4^5, 6^{11}, 12\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^{12}, 12\})$	1573056
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^{12}, 12\})$	12582720
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^{12}, 12\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^{13}, 12\})$	6291648
12	$\mathcal{O}(1; \{2^3, 4, 6^{14}, 12\})$	3145536
12	$\mathcal{O}(1; \{4^3, 6^{14}, 12\})$	12582144
12	$\mathcal{O}(1; \{3, 4, 6^{15}, 12\})$	12582720
12	$\mathcal{O}(1; \{2^{26}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{22}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{18}, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{14}, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^6, 3^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^2, 3^{18}, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{23}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^{19}, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{15}, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^{12}, 4^2, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{15}, 4^2, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{20}, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^{16}, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^9, 4^4, 12^2\})$	3142656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^{12}, 4^4, 12^2\})$	25168896
12	$\mathcal{O}(1; \{3^{15}, 4^4, 12^2\})$	201323520
12	$\mathcal{O}(1; \{2^{17}, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^{13}, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^9, 3^6, 4^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^9, 4^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2, 3^{12}, 4^6, 12^2\})$	100675584
12	$\mathcal{O}(1; \{2^{14}, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^8, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^6, 4^8, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^9, 4^8, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^{11}, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^7, 3^3, 4^{10}, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2^3, 3^6, 4^{10}, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^8, 4^{12}, 12^2\})$	2359296
12	$\mathcal{O}(1; \{2^4, 3^3, 4^{12}, 12^2\})$	11796480
12	$\mathcal{O}(1; \{3^6, 4^{12}, 12^2\})$	101449728
12	$\mathcal{O}(1; \{2^5, 4^{14}, 12^2\})$	9437184
12	$\mathcal{O}(1; \{2, 3^3, 4^{14}, 12^2\})$	47185920
12	$\mathcal{O}(1; \{2^2, 4^{16}, 12^2\})$	37748736
12	$\mathcal{O}(1; \{2^{23}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^{19}, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{15}, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^7, 3^{13}, 6, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^3, 3^{16}, 6, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{20}, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^{16}, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^{10}, 4^2, 6, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^{13}, 4^2, 6, 12^2\})$	25166592
12	$\mathcal{O}(1; \{3^{16}, 4^2, 6, 12^2\})$	201325824
12	$\mathcal{O}(1; \{2^{17}, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^{13}, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^7, 4^4, 6, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^{10}, 4^4, 6, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2, 3^{13}, 4^4, 6, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4^6, 6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^7, 4^6, 6, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4^6, 6, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^{11}, 3, 4^8, 6, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^4, 4^8, 6, 12^2\})$	3096576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^7, 4^8, 6, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3, 4^{10}, 6, 12^2\})$	1769472
12	$\mathcal{O}(1; \{2^4, 3^4, 4^{10}, 6, 12^2\})$	12386304
12	$\mathcal{O}(1; \{3^7, 4^{10}, 6, 12^2\})$	100859904
12	$\mathcal{O}(1; \{2^5, 3, 4^{12}, 6, 12^2\})$	7077888
12	$\mathcal{O}(1; \{2, 3^4, 4^{12}, 6, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2^2, 3, 4^{14}, 6, 12^2\})$	28311552
12	$\mathcal{O}(1; \{2^{20}, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^{16}, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{12}, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^8, 3^{11}, 6^2, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^4, 3^{14}, 6^2, 12^2\})$	25166016
12	$\mathcal{O}(1; \{3^{17}, 6^2, 12^2\})$	201326400
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^8, 4^2, 6^2, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^2, 6^2, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{14}, 4^2, 6^2, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^4, 6^2, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^8, 4^4, 6^2, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^4, 6^2, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^7, 3^5, 4^6, 6^2, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^8, 4^6, 6^2, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^8, 3^2, 4^8, 6^2, 12^2\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^5, 4^8, 6^2, 12^2\})$	12533760
12	$\mathcal{O}(1; \{3^8, 4^8, 6^2, 12^2\})$	100712448
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{10}, 6^2, 12^2\})$	6488064
12	$\mathcal{O}(1; \{2, 3^5, 4^{10}, 6^2, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{12}, 6^2, 12^2\})$	25952256
12	$\mathcal{O}(1; \{2^{21}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^{17}, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{13}, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^9, 6^3, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^5, 3^{12}, 6^3, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2, 3^{15}, 6^3, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{18}, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^2, 6^3, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^9, 4^2, 6^3, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^2, 6^3, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{15}, 4^4, 6^3, 12^2\})$	46080

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 3^6, 4^4, 6^3, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^9, 4^4, 6^3, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^{12}, 4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^3, 4^6, 6^3, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^4, 3^6, 4^6, 6^3, 12^2\})$	12570624
12	$\mathcal{O}(1; \{3^9, 4^6, 6^3, 12^2\})$	100675584
12	$\mathcal{O}(1; \{2^9, 4^8, 6^3, 12^2\})$	737280
12	$\mathcal{O}(1; \{2^5, 3^3, 4^8, 6^3, 12^2\})$	6340608
12	$\mathcal{O}(1; \{2, 3^6, 4^8, 6^3, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2^6, 4^{10}, 6^3, 12^2\})$	2949120
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{10}, 6^3, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^3, 4^{12}, 6^3, 12^2\})$	11796480
12	$\mathcal{O}(1; \{4^{14}, 6^3, 12^2\})$	47185920
12	$\mathcal{O}(1; \{2^{18}, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^{14}, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 3^7, 6^4, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^6, 3^{10}, 6^4, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2^2, 3^{13}, 6^4, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{15}, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2, 6^4, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2, 6^4, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^{12}, 3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4, 6^4, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4, 6^4, 12^2\})$	12579840
12	$\mathcal{O}(1; \{3^{10}, 4^4, 6^4, 12^2\})$	100666368
12	$\mathcal{O}(1; \{2^9, 3, 4^6, 6^4, 12^2\})$	774144
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6, 6^4, 12^2\})$	6303744
12	$\mathcal{O}(1; \{2, 3^7, 4^6, 6^4, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2^6, 3, 4^8, 6^4, 12^2\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8, 6^4, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3, 4^{10}, 6^4, 12^2\})$	12386304
12	$\mathcal{O}(1; \{3, 4^{12}, 6^4, 12^2\})$	49545216
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^8, 6^5, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6^5, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6^5, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6^5, 12^2\})$	12582144
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6^5, 12^2\})$	100664064
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6^5, 12^2\})$	783360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6^5, 12^2\})$	6294528
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6^5, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6^5, 12^2\})$	3133440
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6^5, 12^2\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6^5, 12^2\})$	12533760
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6^5, 12^2\})$	50135040
12	$\mathcal{O}(1; \{2^{16}, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^6, 6^6, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^4, 3^9, 6^6, 12^2\})$	12582720
12	$\mathcal{O}(1; \{3^{12}, 6^6, 12^2\})$	100663488
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^6, 12^2\})$	6292224
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^6, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^6, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^6, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^7, 4^6, 6^6, 12^2\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^6, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^4, 4^8, 6^6, 12^2\})$	6340608
12	$\mathcal{O}(1; \{3^3, 4^8, 6^6, 12^2\})$	50282496
12	$\mathcal{O}(1; \{2, 4^{10}, 6^6, 12^2\})$	25362432
12	$\mathcal{O}(1; \{2^{13}, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^9, 3^4, 6^7, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^7, 6^7, 12^2\})$	6291648
12	$\mathcal{O}(1; \{2, 3^{10}, 6^7, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^7, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^7, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^7, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^7, 12^2\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^7, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^7, 12^2\})$	6303744
12	$\mathcal{O}(1; \{3^4, 4^6, 6^7, 12^2\})$	50319360
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^7, 12^2\})$	25214976
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^8, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^5, 6^8, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2^2, 3^8, 6^8, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^8, 12^2\})$	1573632
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^8, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^8, 12^2\})$	6294528
12	$\mathcal{O}(1; \{3^5, 4^4, 6^8, 12^2\})$	50328576
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^8, 12^2\})$	25178112

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{11}, 6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^3, 6^9, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^3, 3^6, 6^9, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^8, 4^2, 6^9, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^9, 12^2\})$	6292224
12	$\mathcal{O}(1; \{3^6, 4^2, 6^9, 12^2\})$	50330880
12	$\mathcal{O}(1; \{2^5, 4^4, 6^9, 12^2\})$	3142656
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^9, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^2, 4^6, 6^9, 12^2\})$	12570624
12	$\mathcal{O}(1; \{2^8, 3, 6^{10}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^4, 3^4, 6^{10}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3^7, 6^{10}, 12^2\})$	50331456
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^{10}, 12^2\})$	3144960
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^{10}, 12^2\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^{10}, 12^2\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3^2, 6^{11}, 12^2\})$	3145536
12	$\mathcal{O}(1; \{2, 3^5, 6^{11}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^{11}, 12^2\})$	12582144
12	$\mathcal{O}(1; \{2^6, 6^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^2, 3^3, 6^{12}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^3, 4^2, 6^{12}, 12^2\})$	6292224
12	$\mathcal{O}(1; \{4^4, 6^{12}, 12^2\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3, 6^{13}, 12^2\})$	6291648
12	$\mathcal{O}(1; \{3, 4^2, 6^{13}, 12^2\})$	25166592
12	$\mathcal{O}(1; \{3^2, 6^{14}, 12^2\})$	25166016
12	$\mathcal{O}(1; \{2, 6^{15}, 12^2\})$	12582720
12	$\mathcal{O}(1; \{2^{20}, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^{16}, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{12}, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^8, 3^{11}, 4, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^{14}, 4, 12^3\})$	50330880
12	$\mathcal{O}(1; \{3^{17}, 4, 12^3\})$	402653952
12	$\mathcal{O}(1; \{2^{17}, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^{13}, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^8, 4^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^{11}, 4^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{14}, 4^3, 12^3\})$	201323520
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^8, 4^5, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^5, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^7, 3^5, 4^7, 12^3\})$	6340608

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^8, 4^7, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^8, 3^2, 4^9, 12^3\})$	2949120
12	$\mathcal{O}(1; \{2^4, 3^5, 4^9, 12^3\})$	25362432
12	$\mathcal{O}(1; \{3^8, 4^9, 12^3\})$	201129984
12	$\mathcal{O}(1; \{2^5, 3^2, 4^{11}, 12^3\})$	11796480
12	$\mathcal{O}(1; \{2, 3^5, 4^{11}, 12^3\})$	101449728
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{13}, 12^3\})$	47185920
12	$\mathcal{O}(1; \{2^{21}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^{17}, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{13}, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^9, 4, 6, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^{12}, 4, 6, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{15}, 4, 6, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{18}, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^{14}, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^{10}, 3^6, 4^3, 6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^9, 4^3, 6, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^{12}, 4^3, 6, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{15}, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^7, 3^6, 4^5, 6, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^9, 4^5, 6, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^{12}, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^8, 3^3, 4^7, 6, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^6, 4^7, 6, 12^3\})$	25214976
12	$\mathcal{O}(1; \{3^9, 4^7, 6, 12^3\})$	201277440
12	$\mathcal{O}(1; \{2^9, 4^9, 6, 12^3\})$	1769472
12	$\mathcal{O}(1; \{2^5, 3^3, 4^9, 6, 12^3\})$	12386304
12	$\mathcal{O}(1; \{2, 3^6, 4^9, 6, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2^6, 4^{11}, 6, 12^3\})$	7077888
12	$\mathcal{O}(1; \{2^2, 3^3, 4^{11}, 6, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^3, 4^{13}, 6, 12^3\})$	28311552
12	$\mathcal{O}(1; \{4^{15}, 6, 12^3\})$	113246208
12	$\mathcal{O}(1; \{2^{18}, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4, 6^2, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4, 6^2, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4, 6^2, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{15}, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^7, 4^3, 6^2, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^3, 6^2, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^{12}, 3, 4^5, 6^2, 12^3\})$	405504

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3^4, 4^5, 6^2, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^7, 4^5, 6^2, 12^3\})$	25178112
12	$\mathcal{O}(1; \{3^{10}, 4^5, 6^2, 12^3\})$	201314304
12	$\mathcal{O}(1; \{2^9, 3, 4^7, 6^2, 12^3\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3^4, 4^7, 6^2, 12^3\})$	12533760
12	$\mathcal{O}(1; \{2, 3^7, 4^7, 6^2, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3, 4^9, 6^2, 12^3\})$	6488064
12	$\mathcal{O}(1; \{2^2, 3^4, 4^9, 6^2, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^3, 3, 4^{11}, 6^2, 12^3\})$	25952256
12	$\mathcal{O}(1; \{3, 4^{13}, 6^2, 12^3\})$	103809024
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^8, 4, 6^3, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4, 6^3, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^8, 3^5, 4^3, 6^3, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^8, 4^3, 6^3, 12^3\})$	25168896
12	$\mathcal{O}(1; \{3^{11}, 4^3, 6^3, 12^3\})$	201323520
12	$\mathcal{O}(1; \{2^9, 3^2, 4^5, 6^3, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2^5, 3^5, 4^5, 6^3, 12^3\})$	12570624
12	$\mathcal{O}(1; \{2, 3^8, 4^5, 6^3, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2^6, 3^2, 4^7, 6^3, 12^3\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3^5, 4^7, 6^3, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^2, 4^9, 6^3, 12^3\})$	25362432
12	$\mathcal{O}(1; \{3^2, 4^{11}, 6^3, 12^3\})$	101449728
12	$\mathcal{O}(1; \{2^{16}, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 6^4, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 6^4, 12^3\})$	25166592
12	$\mathcal{O}(1; \{3^{12}, 4, 6^4, 12^3\})$	201325824
12	$\mathcal{O}(1; \{2^{13}, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 6^4, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 6^4, 12^3\})$	12579840
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 6^4, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^{10}, 4^5, 6^4, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 6^4, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 6^4, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^7, 4^7, 6^4, 12^3\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 6^4, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^4, 4^9, 6^4, 12^3\})$	12386304
12	$\mathcal{O}(1; \{3^3, 4^9, 6^4, 12^3\})$	100859904
12	$\mathcal{O}(1; \{2, 4^{11}, 6^4, 12^3\})$	49545216
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6^5, 12^3\})$	195840

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6^5, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6^5, 12^3\})$	12582144
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6^5, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6^5, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6^5, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6^5, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6^5, 12^3\})$	3133440
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6^5, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6^5, 12^3\})$	12533760
12	$\mathcal{O}(1; \{3^4, 4^7, 6^5, 12^3\})$	100712448
12	$\mathcal{O}(1; \{2, 3, 4^9, 6^5, 12^3\})$	50135040
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^6, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^6, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^6, 12^3\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^6, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^6, 12^3\})$	12570624
12	$\mathcal{O}(1; \{3^5, 4^5, 6^6, 12^3\})$	100675584
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^6, 12^3\})$	50282496
12	$\mathcal{O}(1; \{2^{11}, 4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^7, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^7, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^8, 4^3, 6^7, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^7, 12^3\})$	12579840
12	$\mathcal{O}(1; \{3^6, 4^3, 6^7, 12^3\})$	100666368
12	$\mathcal{O}(1; \{2^5, 4^5, 6^7, 12^3\})$	6303744
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^7, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^2, 4^7, 6^7, 12^3\})$	25214976
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^8, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^8, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3^7, 4, 6^8, 12^3\})$	100664064
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^8, 12^3\})$	6294528
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^8, 12^3\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^8, 12^3\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^9, 12^3\})$	6292224
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^9, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^9, 12^3\})$	25168896
12	$\mathcal{O}(1; \{2^6, 4, 6^{10}, 12^3\})$	3144960
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^{10}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^3, 4^3, 6^{10}, 12^3\})$	12579840
12	$\mathcal{O}(1; \{4^5, 6^{10}, 12^3\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^{11}, 12^3\})$	12582144
12	$\mathcal{O}(1; \{3, 4^3, 6^{11}, 12^3\})$	50328576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4, 6^{12}, 12^3\})$	50330880
12	$\mathcal{O}(1; \{2, 4, 6^{13}, 12^3\})$	25166592
12	$\mathcal{O}(1; \{2^{21}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^{17}, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{13}, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^9, 3^{10}, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^5, 3^{13}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2, 3^{16}, 12^4\})$	402653952
12	$\mathcal{O}(1; \{2^{18}, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^{14}, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^7, 4^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^{10}, 4^2, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^{13}, 4^2, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{15}, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^7, 4^4, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^4, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^{12}, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^8, 3^4, 4^6, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^7, 4^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{3^{10}, 4^6, 12^4\})$	402702336
12	$\mathcal{O}(1; \{2^9, 3, 4^8, 12^4\})$	2949120
12	$\mathcal{O}(1; \{2^5, 3^4, 4^8, 12^4\})$	25362432
12	$\mathcal{O}(1; \{2, 3^7, 4^8, 12^4\})$	201129984
12	$\mathcal{O}(1; \{2^6, 3, 4^{10}, 12^4\})$	11796480
12	$\mathcal{O}(1; \{2^2, 3^4, 4^{10}, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^3, 3, 4^{12}, 12^4\})$	47185920
12	$\mathcal{O}(1; \{3, 4^{14}, 12^4\})$	188743680
12	$\mathcal{O}(1; \{2^{18}, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^{14}, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^{10}, 3^8, 6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^6, 3^{11}, 6, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2^2, 3^{14}, 6, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{15}, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^{11}, 3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^8, 4^2, 6, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^{11}, 4^2, 6, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^8, 3^5, 4^4, 6, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^8, 4^4, 6, 12^4\})$	50319360
12	$\mathcal{O}(1; \{3^{11}, 4^4, 6, 12^4\})$	402665472
12	$\mathcal{O}(1; \{2^9, 3^2, 4^6, 6, 12^4\})$	3096576
12	$\mathcal{O}(1; \{2^5, 3^5, 4^6, 6, 12^4\})$	25214976

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^8, 4^6, 6, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2^6, 3^2, 4^8, 6, 12^4\})$	12386304
12	$\mathcal{O}(1; \{2^2, 3^5, 4^8, 6, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3^2, 4^{10}, 6, 12^4\})$	49545216
12	$\mathcal{O}(1; \{3^2, 4^{12}, 6, 12^4\})$	198180864
12	$\mathcal{O}(1; \{2^{19}, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^{15}, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{11}, 3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^7, 3^9, 6^2, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^3, 3^{12}, 6^2, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{16}, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2, 6^2, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2, 6^2, 12^4\})$	50328576
12	$\mathcal{O}(1; \{3^{12}, 4^2, 6^2, 12^4\})$	402656256
12	$\mathcal{O}(1; \{2^{13}, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4, 6^2, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4, 6^2, 12^4\})$	25178112
12	$\mathcal{O}(1; \{2, 3^9, 4^4, 6^2, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^{10}, 4^6, 6^2, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6, 6^2, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6, 6^2, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^7, 4^8, 6^2, 12^4\})$	6488064
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8, 6^2, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^4, 4^{10}, 6^2, 12^4\})$	25952256
12	$\mathcal{O}(1; \{3^3, 4^{10}, 6^2, 12^4\})$	200540160
12	$\mathcal{O}(1; \{2, 4^{12}, 6^2, 12^4\})$	103809024
12	$\mathcal{O}(1; \{2^{16}, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^{12}, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 3^7, 6^3, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^4, 3^{10}, 6^3, 12^4\})$	50330880
12	$\mathcal{O}(1; \{3^{13}, 6^3, 12^4\})$	402653952
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6^3, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6^3, 12^4\})$	25168896
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6^3, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6^3, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6^3, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6^3, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6^3, 12^4\})$	6340608
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6^3, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6^3, 12^4\})$	25362432
12	$\mathcal{O}(1; \{3^4, 4^8, 6^3, 12^4\})$	201129984

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6^3, 12^4\})$	101449728
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^9, 3^5, 6^4, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^8, 6^4, 12^4\})$	25166592
12	$\mathcal{O}(1; \{2, 3^{11}, 6^4, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^4, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^4, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^4, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^4, 12^4\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^4, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^4, 12^4\})$	25214976
12	$\mathcal{O}(1; \{3^5, 4^6, 6^4, 12^4\})$	201277440
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^4, 12^4\})$	100859904
12	$\mathcal{O}(1; \{2^{14}, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^5, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^6, 6^5, 12^4\})$	12582144
12	$\mathcal{O}(1; \{2^2, 3^9, 6^5, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^5, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^5, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^8, 4^4, 6^5, 12^4\})$	3133440
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^5, 12^4\})$	25178112
12	$\mathcal{O}(1; \{3^6, 4^4, 6^5, 12^4\})$	201314304
12	$\mathcal{O}(1; \{2^5, 4^6, 6^5, 12^4\})$	12533760
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^5, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^2, 4^8, 6^5, 12^4\})$	50135040
12	$\mathcal{O}(1; \{2^{11}, 3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^4, 6^6, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^3, 3^7, 6^6, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^6, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^6, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3^7, 4^2, 6^6, 12^4\})$	201323520
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^6, 12^4\})$	12570624
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^6, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^6, 12^4\})$	50282496
12	$\mathcal{O}(1; \{2^8, 3^2, 6^7, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^4, 3^5, 6^7, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^8, 6^7, 12^4\})$	201325824
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^7, 12^4\})$	12579840
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^7, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^7, 12^4\})$	50319360
12	$\mathcal{O}(1; \{2^9, 6^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^3, 6^8, 12^4\})$	12582144

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^6, 6^8, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2^6, 4^2, 6^8, 12^4\})$	6294528
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^8, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2^3, 4^4, 6^8, 12^4\})$	25178112
12	$\mathcal{O}(1; \{4^6, 6^8, 12^4\})$	100712448
12	$\mathcal{O}(1; \{2^6, 3, 6^9, 12^4\})$	6292224
12	$\mathcal{O}(1; \{2^2, 3^4, 6^9, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^9, 12^4\})$	25168896
12	$\mathcal{O}(1; \{3, 4^4, 6^9, 12^4\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3^2, 6^{10}, 12^4\})$	25166592
12	$\mathcal{O}(1; \{3^2, 4^2, 6^{10}, 12^4\})$	100666368
12	$\mathcal{O}(1; \{2^4, 6^{11}, 12^4\})$	12582144
12	$\mathcal{O}(1; \{3^3, 6^{11}, 12^4\})$	100664064
12	$\mathcal{O}(1; \{2, 4^2, 6^{11}, 12^4\})$	50328576
12	$\mathcal{O}(1; \{2, 3, 6^{12}, 12^4\})$	50330880
12	$\mathcal{O}(1; \{2^{19}, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^{15}, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^{11}, 3^6, 4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^9, 4, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^{12}, 4, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{16}, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^8, 3^6, 4^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^9, 4^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{3^{12}, 4^3, 12^5\})$	805294080
12	$\mathcal{O}(1; \{2^{13}, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^9, 3^3, 4^5, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^5, 3^6, 4^5, 12^5\})$	50282496
12	$\mathcal{O}(1; \{2, 3^9, 4^5, 12^5\})$	402702336
12	$\mathcal{O}(1; \{2^{10}, 4^7, 12^5\})$	2949120
12	$\mathcal{O}(1; \{2^6, 3^3, 4^7, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2^2, 3^6, 4^7, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^7, 4^9, 12^5\})$	11796480
12	$\mathcal{O}(1; \{2^3, 3^3, 4^9, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^4, 4^{11}, 12^5\})$	47185920
12	$\mathcal{O}(1; \{3^3, 4^{11}, 12^5\})$	405798912
12	$\mathcal{O}(1; \{2, 4^{13}, 12^5\})$	188743680
12	$\mathcal{O}(1; \{2^{16}, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^{12}, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^7, 4, 6, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^{10}, 4, 6, 12^5\})$	100666368
12	$\mathcal{O}(1; \{3^{13}, 4, 6, 12^5\})$	805303296
12	$\mathcal{O}(1; \{2^{13}, 3, 4^3, 6, 12^5\})$	774144

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 3^4, 4^3, 6, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^7, 4^3, 6, 12^5\})$	50319360
12	$\mathcal{O}(1; \{2, 3^{10}, 4^3, 6, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^{10}, 3, 4^5, 6, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^6, 3^4, 4^5, 6, 12^5\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^7, 4^5, 6, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^7, 3, 4^7, 6, 12^5\})$	12386304
12	$\mathcal{O}(1; \{2^3, 3^4, 4^7, 6, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^4, 3, 4^9, 6, 12^5\})$	49545216
12	$\mathcal{O}(1; \{3^4, 4^9, 6, 12^5\})$	403439616
12	$\mathcal{O}(1; \{2, 3, 4^{11}, 6, 12^5\})$	198180864
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 6^2, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 6^2, 12^5\})$	50328576
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 6^2, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 6^2, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 6^2, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 6^2, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 6^2, 12^5\})$	12533760
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 6^2, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 6^2, 12^5\})$	50135040
12	$\mathcal{O}(1; \{3^5, 4^7, 6^2, 12^5\})$	402849792
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 6^2, 12^5\})$	200540160
12	$\mathcal{O}(1; \{2^{14}, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6^3, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6^3, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6^3, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6^3, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6^3, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^8, 4^5, 6^3, 12^5\})$	6340608
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6^3, 12^5\})$	50282496
12	$\mathcal{O}(1; \{3^6, 4^5, 6^3, 12^5\})$	402702336
12	$\mathcal{O}(1; \{2^5, 4^7, 6^3, 12^5\})$	25362432
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6^3, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^2, 4^9, 6^3, 12^5\})$	101449728
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^4, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^4, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^4, 12^5\})$	6303744
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^4, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3^7, 4^3, 6^4, 12^5\})$	402665472
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^4, 12^5\})$	25214976

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^4, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^4, 12^5\})$	100859904
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^5, 12^5\})$	6294528
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^5, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^8, 4, 6^5, 12^5\})$	402656256
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^5, 12^5\})$	25178112
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^5, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^5, 12^5\})$	100712448
12	$\mathcal{O}(1; \{2^9, 4, 6^6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^6, 12^5\})$	25168896
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^6, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2^6, 4^3, 6^6, 12^5\})$	12570624
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^6, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2^3, 4^5, 6^6, 12^5\})$	50282496
12	$\mathcal{O}(1; \{4^7, 6^6, 12^5\})$	201129984
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^7, 12^5\})$	12579840
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^7, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^7, 12^5\})$	50319360
12	$\mathcal{O}(1; \{3, 4^5, 6^7, 12^5\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^8, 12^5\})$	50328576
12	$\mathcal{O}(1; \{3^2, 4^3, 6^8, 12^5\})$	201314304
12	$\mathcal{O}(1; \{2^4, 4, 6^9, 12^5\})$	25168896
12	$\mathcal{O}(1; \{3^3, 4, 6^9, 12^5\})$	201323520
12	$\mathcal{O}(1; \{2, 4^3, 6^9, 12^5\})$	100675584
12	$\mathcal{O}(1; \{2, 3, 4, 6^{10}, 12^5\})$	100666368
12	$\mathcal{O}(1; \{2^{16}, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^{12}, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^8, 3^8, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^4, 3^{11}, 12^6\})$	201323520
12	$\mathcal{O}(1; \{3^{14}, 12^6\})$	1610615808
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2, 12^6\})$	100675584
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2, 12^6\})$	805294080
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6, 12^6\})$	25362432
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8, 12^6\})$	101449728
12	$\mathcal{O}(1; \{3^5, 4^8, 12^6\})$	804519936
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}, 12^6\})$	405798912
12	$\mathcal{O}(1; \{2^{17}, 6, 12^6\})$	193536

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^9, 3^6, 6, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^5, 3^9, 6, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2, 3^{12}, 6, 12^6\})$	805303296
12	$\mathcal{O}(1; \{2^{14}, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^{11}, 4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^8, 4^6, 6, 12^6\})$	12386304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6, 12^6\})$	100859904
12	$\mathcal{O}(1; \{3^6, 4^6, 6, 12^6\})$	805109760
12	$\mathcal{O}(1; \{2^5, 4^8, 6, 12^6\})$	49545216
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2^2, 4^{10}, 6, 12^6\})$	198180864
12	$\mathcal{O}(1; \{2^{14}, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^2, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^6, 3^7, 6^2, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^2, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^2, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^2, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^2, 12^6\})$	12533760
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^2, 12^6\})$	100712448
12	$\mathcal{O}(1; \{3^7, 4^4, 6^2, 12^6\})$	805257216
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^2, 12^6\})$	50135040
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^2, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^2, 12^6\})$	200540160
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^7, 3^5, 6^3, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^3, 3^8, 6^3, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^3, 12^6\})$	12570624
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^3, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^8, 4^2, 6^3, 12^6\})$	805294080
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^3, 12^6\})$	50282496
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^3, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^3, 12^6\})$	201129984
12	$\mathcal{O}(1; \{2^{12}, 6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^8, 3^3, 6^4, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^4, 3^6, 6^4, 12^6\})$	100666368
12	$\mathcal{O}(1; \{3^9, 6^4, 12^6\})$	805303296

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^9, 4^2, 6^4, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^4, 12^6\})$	50319360
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^4, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2^6, 4^4, 6^4, 12^6\})$	25214976
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^4, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^3, 4^6, 6^4, 12^6\})$	100859904
12	$\mathcal{O}(1; \{4^8, 6^4, 12^6\})$	403439616
12	$\mathcal{O}(1; \{2^9, 3, 6^5, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 3^4, 6^5, 12^6\})$	50328576
12	$\mathcal{O}(1; \{2, 3^7, 6^5, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^5, 12^6\})$	25178112
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^5, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^5, 12^6\})$	100712448
12	$\mathcal{O}(1; \{3, 4^6, 6^5, 12^6\})$	402849792
12	$\mathcal{O}(1; \{2^6, 3^2, 6^6, 12^6\})$	25168896
12	$\mathcal{O}(1; \{2^2, 3^5, 6^6, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^6, 12^6\})$	100675584
12	$\mathcal{O}(1; \{3^2, 4^4, 6^6, 12^6\})$	402702336
12	$\mathcal{O}(1; \{2^7, 6^7, 12^6\})$	12579840
12	$\mathcal{O}(1; \{2^3, 3^3, 6^7, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^4, 4^2, 6^7, 12^6\})$	50319360
12	$\mathcal{O}(1; \{3^3, 4^2, 6^7, 12^6\})$	402665472
12	$\mathcal{O}(1; \{2, 4^4, 6^7, 12^6\})$	201277440
12	$\mathcal{O}(1; \{2^4, 3, 6^8, 12^6\})$	50328576
12	$\mathcal{O}(1; \{3^4, 6^8, 12^6\})$	402656256
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^8, 12^6\})$	201314304
12	$\mathcal{O}(1; \{2, 3^2, 6^9, 12^6\})$	201323520
12	$\mathcal{O}(1; \{2^2, 6^{10}, 12^6\})$	100666368
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 12^7\})$	25362432
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 12^7\})$	201129984
12	$\mathcal{O}(1; \{3^7, 4^5, 12^7\})$	1610809344
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 12^7\})$	101449728
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 12^7\})$	804519936
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 12^7\})$	405798912
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6, 12^7\})$	50319360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6, 12^7\})$	25214976
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6, 12^7\})$	201277440
12	$\mathcal{O}(1; \{3^8, 4^3, 6, 12^7\})$	1610661888
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6, 12^7\})$	100859904
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6, 12^7\})$	403439616
12	$\mathcal{O}(1; \{2^{12}, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^2, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^2, 12^7\})$	201314304
12	$\mathcal{O}(1; \{3^9, 4, 6^2, 12^7\})$	1610625024
12	$\mathcal{O}(1; \{2^9, 4^3, 6^2, 12^7\})$	12533760
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^2, 12^7\})$	100712448
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^2, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2^6, 4^5, 6^2, 12^7\})$	50135040
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^2, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^3, 4^7, 6^2, 12^7\})$	200540160
12	$\mathcal{O}(1; \{4^9, 6^2, 12^7\})$	802160640
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^3, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^3, 12^7\})$	100675584
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^3, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^3, 12^7\})$	50282496
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^3, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^3, 12^7\})$	201129984
12	$\mathcal{O}(1; \{3, 4^7, 6^3, 12^7\})$	804519936
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^4, 12^7\})$	50319360
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^4, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^4, 12^7\})$	201277440
12	$\mathcal{O}(1; \{3^2, 4^5, 6^4, 12^7\})$	805109760
12	$\mathcal{O}(1; \{2^7, 4, 6^5, 12^7\})$	25178112
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^5, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^4, 4^3, 6^5, 12^7\})$	100712448
12	$\mathcal{O}(1; \{3^3, 4^3, 6^5, 12^7\})$	805257216
12	$\mathcal{O}(1; \{2, 4^5, 6^5, 12^7\})$	402849792
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^6, 12^7\})$	100675584
12	$\mathcal{O}(1; \{3^4, 4, 6^6, 12^7\})$	805294080
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^6, 12^7\})$	402702336
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^7, 12^7\})$	402665472
12	$\mathcal{O}(1; \{2^2, 4, 6^8, 12^7\})$	201314304
12	$\mathcal{O}(1; \{2^{15}, 12^8\})$	1585152
12	$\mathcal{O}(1; \{2^{11}, 3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^7, 3^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^3, 3^9, 12^8\})$	805294080

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 12^8\})$	402702336
12	$\mathcal{O}(1; \{3^9, 4^2, 12^8\})$	3221176320
12	$\mathcal{O}(1; \{2^9, 4^4, 12^8\})$	25362432
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 12^8\})$	201129984
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 12^8\})$	1610809344
12	$\mathcal{O}(1; \{2^6, 4^6, 12^8\})$	101449728
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^3, 4^8, 12^8\})$	405798912
12	$\mathcal{O}(1; \{4^{10}, 12^8\})$	1623195648
12	$\mathcal{O}(1; \{2^{12}, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^8, 3^4, 6, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^4, 3^7, 6, 12^8\})$	402665472
12	$\mathcal{O}(1; \{3^{10}, 6, 12^8\})$	3221213184
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6, 12^8\})$	25214976
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6, 12^8\})$	201277440
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6, 12^8\})$	100859904
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6, 12^8\})$	403439616
12	$\mathcal{O}(1; \{3, 4^8, 6, 12^8\})$	1613758464
12	$\mathcal{O}(1; \{2^9, 3^2, 6^2, 12^8\})$	25178112
12	$\mathcal{O}(1; \{2^5, 3^5, 6^2, 12^8\})$	201314304
12	$\mathcal{O}(1; \{2, 3^8, 6^2, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^2, 12^8\})$	100712448
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^2, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^2, 12^8\})$	402849792
12	$\mathcal{O}(1; \{3^2, 4^6, 6^2, 12^8\})$	1611399168
12	$\mathcal{O}(1; \{2^{10}, 6^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^6, 3^3, 6^3, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2^2, 3^6, 6^3, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^7, 4^2, 6^3, 12^8\})$	50282496
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^3, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^4, 4^4, 6^3, 12^8\})$	201129984
12	$\mathcal{O}(1; \{3^3, 4^4, 6^3, 12^8\})$	1610809344
12	$\mathcal{O}(1; \{2, 4^6, 6^3, 12^8\})$	804519936
12	$\mathcal{O}(1; \{2^7, 3, 6^4, 12^8\})$	50319360
12	$\mathcal{O}(1; \{2^3, 3^4, 6^4, 12^8\})$	402665472
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^4, 12^8\})$	201277440
12	$\mathcal{O}(1; \{3^4, 4^2, 6^4, 12^8\})$	1610661888
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^4, 12^8\})$	805109760
12	$\mathcal{O}(1; \{2^4, 3^2, 6^5, 12^8\})$	201314304

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 6^5, 12^8\})$	1610625024
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^5, 12^8\})$	805257216
12	$\mathcal{O}(1; \{2^5, 6^6, 12^8\})$	100675584
12	$\mathcal{O}(1; \{2, 3^3, 6^6, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^2, 4^2, 6^6, 12^8\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3, 6^7, 12^8\})$	402665472
12	$\mathcal{O}(1; \{6^9, 12^8\})$	805294080
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 12^9\})$	50282496
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 12^9\})$	402702336
12	$\mathcal{O}(1; \{2, 3^8, 4, 12^9\})$	3221176320
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 12^9\})$	201129984
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 12^9\})$	804519936
12	$\mathcal{O}(1; \{3^2, 4^7, 12^9\})$	3218079744
12	$\mathcal{O}(1; \{2^{10}, 4, 6, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^7, 4^3, 6, 12^9\})$	100859904
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^4, 4^5, 6, 12^9\})$	403439616
12	$\mathcal{O}(1; \{3^3, 4^5, 6, 12^9\})$	3220439040
12	$\mathcal{O}(1; \{2, 4^7, 6, 12^9\})$	1613758464
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^2, 12^9\})$	100712448
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^2, 12^9\})$	805257216
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^2, 12^9\})$	402849792
12	$\mathcal{O}(1; \{3^4, 4^3, 6^2, 12^9\})$	3221028864
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^2, 12^9\})$	1611399168
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^3, 12^9\})$	402702336
12	$\mathcal{O}(1; \{3^5, 4, 6^3, 12^9\})$	3221176320
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^3, 12^9\})$	1610809344
12	$\mathcal{O}(1; \{2^5, 4, 6^4, 12^9\})$	201277440
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^4, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^2, 4^3, 6^4, 12^9\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^5, 12^9\})$	805257216
12	$\mathcal{O}(1; \{4, 6^7, 12^9\})$	1610661888
12	$\mathcal{O}(1; \{2^{10}, 3, 12^{10}\})$	50282496
12	$\mathcal{O}(1; \{2^6, 3^4, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2^2, 3^7, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 12^{10}\})$	201129984
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 12^{10}\})$	804519936
12	$\mathcal{O}(1; \{3^4, 4^4, 12^{10}\})$	6443237376
12	$\mathcal{O}(1; \{2, 3, 4^6, 12^{10}\})$	3218079744

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^2, 6, 12^{10}\})$	201277440
12	$\mathcal{O}(1; \{2^3, 3^5, 6, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6, 12^{10}\})$	805109760
12	$\mathcal{O}(1; \{3^5, 4^2, 6, 12^{10}\})$	6442647552
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6, 12^{10}\})$	3220439040
12	$\mathcal{O}(1; \{2^8, 6^2, 12^{10}\})$	100712448
12	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{3^6, 6^2, 12^{10}\})$	6442500096
12	$\mathcal{O}(1; \{2^5, 4^2, 6^2, 12^{10}\})$	402849792
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^2, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{2^2, 4^4, 6^2, 12^{10}\})$	1611399168
12	$\mathcal{O}(1; \{2^5, 3, 6^3, 12^{10}\})$	402702336
12	$\mathcal{O}(1; \{2, 3^4, 6^3, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^3, 12^{10}\})$	1610809344
12	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 12^{10}\})$	1610661888
12	$\mathcal{O}(1; \{2^3, 6^5, 12^{10}\})$	805257216
12	$\mathcal{O}(1; \{4^2, 6^5, 12^{10}\})$	3221028864
12	$\mathcal{O}(1; \{3, 6^6, 12^{10}\})$	3221176320
12	$\mathcal{O}(1; \{2^8, 4, 12^{11}\})$	201129984
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{3^6, 4, 12^{11}\})$	12884705280
12	$\mathcal{O}(1; \{2^5, 4^3, 12^{11}\})$	804519936
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 12^{11}\})$	6443237376
12	$\mathcal{O}(1; \{2^2, 4^5, 12^{11}\})$	3218079744
12	$\mathcal{O}(1; \{2^5, 3, 4, 6, 12^{11}\})$	805109760
12	$\mathcal{O}(1; \{2, 3^4, 4, 6, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6, 12^{11}\})$	3220439040
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^2, 12^{11}\})$	3221028864
12	$\mathcal{O}(1; \{2^3, 4, 6^3, 12^{11}\})$	1610809344
12	$\mathcal{O}(1; \{4^3, 6^3, 12^{11}\})$	6443237376
12	$\mathcal{O}(1; \{3, 4, 6^4, 12^{11}\})$	6442647552
12	$\mathcal{O}(1; \{2^5, 3^2, 12^{12}\})$	1610809344
12	$\mathcal{O}(1; \{2, 3^5, 12^{12}\})$	12884705280
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 12^{12}\})$	6443237376
12	$\mathcal{O}(1; \{2^6, 6, 12^{12}\})$	805109760
12	$\mathcal{O}(1; \{2^2, 3^3, 6, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^3, 4^2, 6, 12^{12}\})$	3220439040
12	$\mathcal{O}(1; \{4^4, 6, 12^{12}\})$	12881756160
12	$\mathcal{O}(1; \{2^3, 3, 6^2, 12^{12}\})$	3221028864
12	$\mathcal{O}(1; \{3, 4^2, 6^2, 12^{12}\})$	12884115456
12	$\mathcal{O}(1; \{3^2, 6^3, 12^{12}\})$	12884705280
12	$\mathcal{O}(1; \{2, 6^4, 12^{12}\})$	6442647552
12	$\mathcal{O}(1; \{2^3, 3, 4, 12^{13}\})$	6443237376

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3, 4^3, 12^{13}\})$	25772949504
12	$\mathcal{O}(1; \{3^2, 4, 6, 12^{13}\})$	25770590208
12	$\mathcal{O}(1; \{2, 4, 6^2, 12^{13}\})$	12884115456
12	$\mathcal{O}(1; \{2^4, 12^{14}\})$	6443237376
12	$\mathcal{O}(1; \{3^3, 12^{14}\})$	51538821120
12	$\mathcal{O}(1; \{2, 4^2, 12^{14}\})$	25772949504
12	$\mathcal{O}(1; \{2, 3, 6, 12^{14}\})$	25770590208
12	$\mathcal{O}(0; \{2^{28}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{24}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{17}, 4^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{20}, 4^2\})$	699052
12	$\mathcal{O}(0; \{3^{23}, 4^2\})$	5592404
12	$\mathcal{O}(0; \{2^{25}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{21}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{14}, 4^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{17}, 4^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^{20}, 4^4\})$	2796208
12	$\mathcal{O}(0; \{2^{22}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^{18}, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 4^6\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{14}, 4^6\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{17}, 4^6\})$	1398080
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^8\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^8\})$	699136
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^8, 4^{10}\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^{10}\})$	349184
12	$\mathcal{O}(0; \{3^{14}, 4^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^9, 3^5, 4^{12}\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^8, 4^{12}\})$	176128
12	$\mathcal{O}(0; \{2, 3^{11}, 4^{12}\})$	1396736
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^{14}\})$	16384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^5, 4^{14}\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^8, 4^{14}\})$	704512
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{16}\})$	65536
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{16}\})$	327680
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{18}\})$	262144
12	$\mathcal{O}(0; \{3^5, 4^{18}\})$	1310720
12	$\mathcal{O}(0; \{2, 3^2, 4^{20}\})$	1048576
12	$\mathcal{O}(0; \{2^{25}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{21}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{15}, 4^2, 6\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{18}, 4^2, 6\})$	349524
12	$\mathcal{O}(0; \{2, 3^{21}, 4^2, 6\})$	2796204
12	$\mathcal{O}(0; \{2^{22}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^{18}, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^{12}, 4^4, 6\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{15}, 4^4, 6\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{18}, 4^4, 6\})$	1398096
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4^6, 6\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4^6, 6\})$	699072
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^9, 4^8, 6\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^8, 6\})$	349440
12	$\mathcal{O}(0; \{3^{15}, 4^8, 6\})$	2796288
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^6, 4^{10}, 6\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^9, 4^{10}, 6\})$	175104
12	$\mathcal{O}(0; \{2, 3^{12}, 4^{10}, 6\})$	1397760
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^{12}, 6\})$	12288
12	$\mathcal{O}(0; \{2^6, 3^6, 4^{12}, 6\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^9, 4^{12}, 6\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^3, 4^{14}, 6\})$	49152
12	$\mathcal{O}(0; \{2^3, 3^6, 4^{14}, 6\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{16}, 6\})$	196608
12	$\mathcal{O}(0; \{3^6, 4^{16}, 6\})$	1376256
12	$\mathcal{O}(0; \{2, 3^3, 4^{18}, 6\})$	786432
12	$\mathcal{O}(0; \{2^{26}, 3, 4^2, 6^2\})$	4

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4^2, 6^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4^2, 6^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4^2, 6^2\})$	1398100
12	$\mathcal{O}(0; \{2^{23}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^4, 6^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^4, 6^2\})$	699056
12	$\mathcal{O}(0; \{2^{20}, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^6, 6^2\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^6, 6^2\})$	349504
12	$\mathcal{O}(0; \{3^{16}, 4^6, 6^2\})$	2796224
12	$\mathcal{O}(0; \{2^{17}, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^7, 4^8, 6^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^8, 6^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^{13}, 4^8, 6^2\})$	1398016
12	$\mathcal{O}(0; \{2^{14}, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^{10}, 6^2\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^7, 4^{10}, 6^2\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^{10}, 6^2\})$	699392
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{12}, 6^2\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{12}, 6^2\})$	348160
12	$\mathcal{O}(0; \{2^8, 3, 4^{14}, 6^2\})$	16384
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{14}, 6^2\})$	180224
12	$\mathcal{O}(0; \{3^7, 4^{14}, 6^2\})$	1392640
12	$\mathcal{O}(0; \{2^5, 3, 4^{16}, 6^2\})$	65536
12	$\mathcal{O}(0; \{2, 3^4, 4^{16}, 6^2\})$	720896
12	$\mathcal{O}(0; \{2^2, 3, 4^{18}, 6^2\})$	262144
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^2, 6^3\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^2, 6^3\})$	699052
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^4, 6^3\})$	80

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^4, 6^3\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^4, 6^3\})$	349520
12	$\mathcal{O}(0; \{3^{17}, 4^4, 6^3\})$	2796208
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^8, 4^6, 6^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^6, 6^3\})$	174784
12	$\mathcal{O}(0; \{2, 3^{14}, 4^6, 6^3\})$	1398080
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^8, 6^3\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^8, 4^8, 6^3\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^8, 6^3\})$	699136
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{10}, 6^3\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{10}, 6^3\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{12}, 6^3\})$	20480
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{12}, 6^3\})$	176128
12	$\mathcal{O}(0; \{3^8, 4^{12}, 6^3\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{14}, 6^3\})$	81920
12	$\mathcal{O}(0; \{2, 3^5, 4^{14}, 6^3\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{16}, 6^3\})$	327680
12	$\mathcal{O}(0; \{2^{24}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^2, 6^4\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^2, 6^4\})$	349524
12	$\mathcal{O}(0; \{3^{18}, 4^2, 6^4\})$	2796204
12	$\mathcal{O}(0; \{2^{21}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^9, 4^4, 6^4\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^4, 6^4\})$	174768
12	$\mathcal{O}(0; \{2, 3^{15}, 4^4, 6^4\})$	1398096
12	$\mathcal{O}(0; \{2^{18}, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^6, 6^4\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^9, 4^6, 6^4\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^6, 6^4\})$	699072
12	$\mathcal{O}(0; \{2^{15}, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^8, 6^4\})$	5376

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^6, 4^8, 6^4\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^9, 4^8, 6^4\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{10}, 6^4\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{10}, 6^4\})$	175104
12	$\mathcal{O}(0; \{3^9, 4^{10}, 6^4\})$	1397760
12	$\mathcal{O}(0; \{2^9, 4^{12}, 6^4\})$	12288
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{12}, 6^4\})$	86016
12	$\mathcal{O}(0; \{2, 3^6, 4^{12}, 6^4\})$	700416
12	$\mathcal{O}(0; \{2^6, 4^{14}, 6^4\})$	49152
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{14}, 6^4\})$	344064
12	$\mathcal{O}(0; \{2^3, 4^{16}, 6^4\})$	196608
12	$\mathcal{O}(0; \{4^{18}, 6^4\})$	786432
12	$\mathcal{O}(0; \{2^{21}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^2, 6^5\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^2, 6^5\})$	174764
12	$\mathcal{O}(0; \{2, 3^{16}, 4^2, 6^5\})$	1398100
12	$\mathcal{O}(0; \{2^{18}, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^4, 6^5\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^4, 6^5\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^4, 6^5\})$	699056
12	$\mathcal{O}(0; \{2^{15}, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^7, 4^6, 6^5\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^6, 6^5\})$	349504
12	$\mathcal{O}(0; \{2^{12}, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^4, 4^8, 6^5\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^7, 4^8, 6^5\})$	174848
12	$\mathcal{O}(0; \{3^{10}, 4^8, 6^5\})$	1398016
12	$\mathcal{O}(0; \{2^9, 3, 4^{10}, 6^5\})$	11264
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{10}, 6^5\})$	87040
12	$\mathcal{O}(0; \{2, 3^7, 4^{10}, 6^5\})$	699392
12	$\mathcal{O}(0; \{2^6, 3, 4^{12}, 6^5\})$	45056
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{12}, 6^5\})$	348160
12	$\mathcal{O}(0; \{2^3, 3, 4^{14}, 6^5\})$	180224
12	$\mathcal{O}(0; \{3, 4^{16}, 6^5\})$	720896
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2, 6^6\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2, 6^6\})$	87380

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2, 6^6\})$	699052
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4, 6^6\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4, 6^6\})$	349520
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6, 6^6\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6, 6^6\})$	174784
12	$\mathcal{O}(0; \{3^{11}, 4^6, 6^6\})$	1398080
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8, 6^6\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8, 6^6\})$	87296
12	$\mathcal{O}(0; \{2, 3^8, 4^8, 6^6\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}, 6^6\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}, 6^6\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}, 6^6\})$	176128
12	$\mathcal{O}(0; \{3^2, 4^{14}, 6^6\})$	704512
12	$\mathcal{O}(0; \{2^{19}, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6^7\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6^7\})$	349524
12	$\mathcal{O}(0; \{2^{16}, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6^7\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6^7\})$	174768
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6^7\})$	1398096
12	$\mathcal{O}(0; \{2^{13}, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6^7\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6^7\})$	87360
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6^7\})$	699072
12	$\mathcal{O}(0; \{2^{10}, 4^8, 6^7\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6^7\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6^7\})$	349440
12	$\mathcal{O}(0; \{2^7, 4^{10}, 6^7\})$	21504
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6^7\})$	175104
12	$\mathcal{O}(0; \{2^4, 4^{12}, 6^7\})$	86016
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6^7\})$	700416
12	$\mathcal{O}(0; \{2, 4^{14}, 6^7\})$	344064
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^8\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^8\})$	174764
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^8\})$	1398100

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^8\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^8\})$	87376
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^8\})$	699056
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^8\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^8\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^8\})$	349504
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^8\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^8\})$	174848
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^8\})$	87040
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^8\})$	699392
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^8\})$	348160
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^9\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^9\})$	87380
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^9\})$	699052
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^9\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^9\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^9\})$	349520
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^9\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^9\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^9\})$	87296
12	$\mathcal{O}(0; \{3^5, 4^8, 6^9\})$	699136
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^9\})$	349184
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^{10}\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^{10}\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^{10}\})$	349524
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^{10}\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^{10}\})$	174768
12	$\mathcal{O}(0; \{2^8, 4^6, 6^{10}\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^{10}\})$	87360
12	$\mathcal{O}(0; \{3^6, 4^6, 6^{10}\})$	699072
12	$\mathcal{O}(0; \{2^5, 4^8, 6^{10}\})$	43776
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^{10}\})$	349440
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^{10}\})$	175104
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^{11}\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^{11}\})$	174764
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^{11}\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^{11}\})$	87376
12	$\mathcal{O}(0; \{3^7, 4^4, 6^{11}\})$	699056

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^{11}\})$	43712
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^{11}\})$	349504
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^{11}\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^{12}\})$	10924
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^{12}\})$	87380
12	$\mathcal{O}(0; \{3^8, 4^2, 6^{12}\})$	699052
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^{12}\})$	43696
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^{12}\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^{12}\})$	174784
12	$\mathcal{O}(0; \{2^9, 4^2, 6^{13}\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^{13}\})$	43692
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^{13}\})$	349524
12	$\mathcal{O}(0; \{2^6, 4^4, 6^{13}\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^{13}\})$	174768
12	$\mathcal{O}(0; \{2^3, 4^6, 6^{13}\})$	87360
12	$\mathcal{O}(0; \{4^8, 6^{13}\})$	349440
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^{14}\})$	21844
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^{14}\})$	174764
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^{14}\})$	87376
12	$\mathcal{O}(0; \{3, 4^6, 6^{14}\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^{15}\})$	87380
12	$\mathcal{O}(0; \{3^2, 4^4, 6^{15}\})$	349520
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{16}\})$	43692
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{16}\})$	349524
12	$\mathcal{O}(0; \{2, 4^4, 6^{16}\})$	174768
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{17}\})$	174764
12	$\mathcal{O}(0; \{2^{29}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{25}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{21}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^{17}, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{13}, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^{16}, 4, 12\})$	87380
12	$\mathcal{O}(0; \{2^5, 3^{19}, 4, 12\})$	699052
12	$\mathcal{O}(0; \{2, 3^{22}, 4, 12\})$	5592404
12	$\mathcal{O}(0; \{2^{26}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{22}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^{13}, 4^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{16}, 4^3, 12\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{19}, 4^3, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{23}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^{19}, 3^4, 4^5, 12\})$	320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^{13}, 4^5, 12\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{16}, 4^5, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{20}, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4^7, 12\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4^7, 12\})$	699136
12	$\mathcal{O}(0; \{3^{16}, 4^7, 12\})$	5592320
12	$\mathcal{O}(0; \{2^{17}, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^7, 4^9, 12\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^9, 12\})$	349184
12	$\mathcal{O}(0; \{2, 3^{13}, 4^9, 12\})$	2796544
12	$\mathcal{O}(0; \{2^{14}, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^{11}, 12\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^7, 4^{11}, 12\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^{11}, 12\})$	1396736
12	$\mathcal{O}(0; \{2^{11}, 3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^7, 3^4, 4^{13}, 12\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^7, 4^{13}, 12\})$	704512
12	$\mathcal{O}(0; \{2^8, 3, 4^{15}, 12\})$	65536
12	$\mathcal{O}(0; \{2^4, 3^4, 4^{15}, 12\})$	327680
12	$\mathcal{O}(0; \{3^7, 4^{15}, 12\})$	2818048
12	$\mathcal{O}(0; \{2^5, 3, 4^{17}, 12\})$	262144
12	$\mathcal{O}(0; \{2, 3^4, 4^{17}, 12\})$	1310720
12	$\mathcal{O}(0; \{2^2, 3, 4^{19}, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{26}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{22}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{14}, 4, 6, 12\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{17}, 4, 6, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{20}, 4, 6, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{23}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^{19}, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{14}, 4^3, 6, 12\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{17}, 4^3, 6, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{20}, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^{16}, 3^5, 4^5, 6, 12\})$	1344

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^{11}, 4^5, 6, 12\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^{14}, 4^5, 6, 12\})$	699072
12	$\mathcal{O}(0; \{3^{17}, 4^5, 6, 12\})$	5592384
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^8, 4^7, 6, 12\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^7, 6, 12\})$	349440
12	$\mathcal{O}(0; \{2, 3^{14}, 4^7, 6, 12\})$	2796288
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^9, 6, 12\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^8, 4^9, 6, 12\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^9, 6, 12\})$	1397760
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^7, 3^5, 4^{11}, 6, 12\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^8, 4^{11}, 6, 12\})$	700416
12	$\mathcal{O}(0; \{2^8, 3^2, 4^{13}, 6, 12\})$	49152
12	$\mathcal{O}(0; \{2^4, 3^5, 4^{13}, 6, 12\})$	344064
12	$\mathcal{O}(0; \{3^8, 4^{13}, 6, 12\})$	2801664
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{15}, 6, 12\})$	196608
12	$\mathcal{O}(0; \{2, 3^5, 4^{15}, 6, 12\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{17}, 6, 12\})$	786432
12	$\mathcal{O}(0; \{2^{27}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4, 6^2, 12\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4, 6^2, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{24}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^3, 6^2, 12\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^3, 6^2, 12\})$	699056
12	$\mathcal{O}(0; \{3^{18}, 4^3, 6^2, 12\})$	5592400
12	$\mathcal{O}(0; \{2^{21}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^9, 4^5, 6^2, 12\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^5, 6^2, 12\})$	349504
12	$\mathcal{O}(0; \{2, 3^{15}, 4^5, 6^2, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{18}, 4^7, 6^2, 12\})$	256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^7, 6^2, 12\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^9, 4^7, 6^2, 12\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^7, 6^2, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{15}, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^6, 4^9, 6^2, 12\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^9, 4^9, 6^2, 12\})$	699392
12	$\mathcal{O}(0; \{2^{12}, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{11}, 6^2, 12\})$	45056
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{11}, 6^2, 12\})$	348160
12	$\mathcal{O}(0; \{3^9, 4^{11}, 6^2, 12\})$	2797568
12	$\mathcal{O}(0; \{2^9, 4^{13}, 6^2, 12\})$	16384
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{13}, 6^2, 12\})$	180224
12	$\mathcal{O}(0; \{2, 3^6, 4^{13}, 6^2, 12\})$	1392640
12	$\mathcal{O}(0; \{2^6, 4^{15}, 6^2, 12\})$	65536
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{15}, 6^2, 12\})$	720896
12	$\mathcal{O}(0; \{2^3, 4^{17}, 6^2, 12\})$	262144
12	$\mathcal{O}(0; \{4^{19}, 6^2, 12\})$	1048576
12	$\mathcal{O}(0; \{2^{24}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4, 6^3, 12\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4, 6^3, 12\})$	699052
12	$\mathcal{O}(0; \{3^{19}, 4, 6^3, 12\})$	5592404
12	$\mathcal{O}(0; \{2^{21}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^3, 6^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^3, 6^3, 12\})$	349520
12	$\mathcal{O}(0; \{2, 3^{16}, 4^3, 6^3, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{18}, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^5, 6^3, 12\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^5, 6^3, 12\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^5, 6^3, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{15}, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^7, 4^7, 6^3, 12\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^7, 6^3, 12\})$	699136
12	$\mathcal{O}(0; \{2^{12}, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^4, 4^9, 6^3, 12\})$	44032

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^7, 4^9, 6^3, 12\})$	349184
12	$\mathcal{O}(0; \{3^{10}, 4^9, 6^3, 12\})$	2796544
12	$\mathcal{O}(0; \{2^9, 3, 4^{11}, 6^3, 12\})$	20480
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{11}, 6^3, 12\})$	176128
12	$\mathcal{O}(0; \{2, 3^7, 4^{11}, 6^3, 12\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3, 4^{13}, 6^3, 12\})$	81920
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{13}, 6^3, 12\})$	704512
12	$\mathcal{O}(0; \{2^3, 3, 4^{15}, 6^3, 12\})$	327680
12	$\mathcal{O}(0; \{3, 4^{17}, 6^3, 12\})$	1310720
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4, 6^4, 12\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4, 6^4, 12\})$	349524
12	$\mathcal{O}(0; \{2, 3^{17}, 4, 6^4, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^3, 6^4, 12\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^3, 6^4, 12\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^3, 6^4, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^8, 4^5, 6^4, 12\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^5, 6^4, 12\})$	699072
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^5, 4^7, 6^4, 12\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^8, 4^7, 6^4, 12\})$	349440
12	$\mathcal{O}(0; \{3^{11}, 4^7, 6^4, 12\})$	2796288
12	$\mathcal{O}(0; \{2^9, 3^2, 4^9, 6^4, 12\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^5, 4^9, 6^4, 12\})$	175104
12	$\mathcal{O}(0; \{2, 3^8, 4^9, 6^4, 12\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{11}, 6^4, 12\})$	86016
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{11}, 6^4, 12\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{13}, 6^4, 12\})$	344064
12	$\mathcal{O}(0; \{3^2, 4^{15}, 6^4, 12\})$	1376256
12	$\mathcal{O}(0; \{2^{22}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4, 6^5, 12\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4, 6^5, 12\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4, 6^5, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{19}, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^3, 6^5, 12\})$	1360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^9, 4^3, 6^5, 12\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^3, 6^5, 12\})$	699056
12	$\mathcal{O}(0; \{2^{16}, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^6, 4^5, 6^5, 12\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^9, 4^5, 6^5, 12\})$	349504
12	$\mathcal{O}(0; \{3^{12}, 4^5, 6^5, 12\})$	2796224
12	$\mathcal{O}(0; \{2^{13}, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^9, 3^3, 4^7, 6^5, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^6, 4^7, 6^5, 12\})$	174848
12	$\mathcal{O}(0; \{2, 3^9, 4^7, 6^5, 12\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 4^9, 6^5, 12\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^3, 4^9, 6^5, 12\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^6, 4^9, 6^5, 12\})$	699392
12	$\mathcal{O}(0; \{2^7, 4^{11}, 6^5, 12\})$	45056
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{11}, 6^5, 12\})$	348160
12	$\mathcal{O}(0; \{2^4, 4^{13}, 6^5, 12\})$	180224
12	$\mathcal{O}(0; \{3^3, 4^{13}, 6^5, 12\})$	1392640
12	$\mathcal{O}(0; \{2, 4^{15}, 6^5, 12\})$	720896
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 6^6, 12\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 6^6, 12\})$	699052
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 6^6, 12\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 6^6, 12\})$	349520
12	$\mathcal{O}(0; \{3^{13}, 4^3, 6^6, 12\})$	2796208
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 6^6, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 6^6, 12\})$	174784
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 6^6, 12\})$	1398080
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 6^6, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 6^6, 12\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 6^6, 12\})$	699136
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 6^6, 12\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 6^6, 12\})$	349184
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 6^6, 12\})$	176128
12	$\mathcal{O}(0; \{3^4, 4^{11}, 6^6, 12\})$	1396736
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 6^6, 12\})$	704512
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6^7, 12\})$	684

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6^7, 12\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6^7, 12\})$	349524
12	$\mathcal{O}(0; \{3^{14}, 4, 6^7, 12\})$	2796204
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6^7, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6^7, 12\})$	174768
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6^7, 12\})$	1398096
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6^7, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6^7, 12\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6^7, 12\})$	699072
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6^7, 12\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6^7, 12\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6^7, 12\})$	175104
12	$\mathcal{O}(0; \{3^5, 4^9, 6^7, 12\})$	1397760
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6^7, 12\})$	700416
12	$\mathcal{O}(0; \{2^{17}, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^8, 12\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^8, 12\})$	174764
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^8, 12\})$	1398100
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^8, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^8, 12\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^8, 12\})$	699056
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^8, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^8, 12\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^8, 12\})$	349504
12	$\mathcal{O}(0; \{2^8, 4^7, 6^8, 12\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^8, 12\})$	174848
12	$\mathcal{O}(0; \{3^6, 4^7, 6^8, 12\})$	1398016
12	$\mathcal{O}(0; \{2^5, 4^9, 6^8, 12\})$	87040
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^8, 12\})$	699392
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^8, 12\})$	348160
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^9, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^9, 12\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^9, 12\})$	699052
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^9, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^9, 12\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^9, 12\})$	349520
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^9, 12\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^9, 12\})$	174784

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^5, 6^9, 12\})$	1398080
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^9, 12\})$	87296
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^9, 12\})$	699136
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^9, 12\})$	349184
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^{10}, 12\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^{10}, 12\})$	349524
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^{10}, 12\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^{10}, 12\})$	174768
12	$\mathcal{O}(0; \{3^8, 4^3, 6^{10}, 12\})$	1398096
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^{10}, 12\})$	87360
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^{10}, 12\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^{10}, 12\})$	349440
12	$\mathcal{O}(0; \{2^{12}, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^{11}, 12\})$	21844
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^{11}, 12\})$	174764
12	$\mathcal{O}(0; \{3^9, 4, 6^{11}, 12\})$	1398100
12	$\mathcal{O}(0; \{2^9, 4^3, 6^{11}, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^{11}, 12\})$	87376
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^{11}, 12\})$	699056
12	$\mathcal{O}(0; \{2^6, 4^5, 6^{11}, 12\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^{11}, 12\})$	349504
12	$\mathcal{O}(0; \{2^3, 4^7, 6^{11}, 12\})$	174848
12	$\mathcal{O}(0; \{4^9, 6^{11}, 12\})$	699392
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^{12}, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^{12}, 12\})$	87380
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^{12}, 12\})$	699052
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^{12}, 12\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^{12}, 12\})$	349520
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^{12}, 12\})$	174784
12	$\mathcal{O}(0; \{3, 4^7, 6^{12}, 12\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^{13}, 12\})$	43692
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^{13}, 12\})$	349524
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^{13}, 12\})$	174768
12	$\mathcal{O}(0; \{3^2, 4^5, 6^{13}, 12\})$	699072
12	$\mathcal{O}(0; \{2^7, 4, 6^{14}, 12\})$	21844
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^{14}, 12\})$	174764
12	$\mathcal{O}(0; \{2^4, 4^3, 6^{14}, 12\})$	87376
12	$\mathcal{O}(0; \{3^3, 4^3, 6^{14}, 12\})$	699056
12	$\mathcal{O}(0; \{2, 4^5, 6^{14}, 12\})$	349504
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^{15}, 12\})$	87380
12	$\mathcal{O}(0; \{3^4, 4, 6^{15}, 12\})$	699052
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^{15}, 12\})$	349520

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{16}, 12\})$	349524
12	$\mathcal{O}(0; \{2^2, 4, 6^{17}, 12\})$	174764
12	$\mathcal{O}(0; \{2^{30}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{26}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{22}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{18}, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{14}, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^6, 3^{18}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^2, 3^{21}, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{27}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{23}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{19}, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{15}, 4^2, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{18}, 4^2, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{24}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{20}, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{16}, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^{12}, 4^4, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{15}, 4^4, 12^2\})$	1398080
12	$\mathcal{O}(0; \{3^{18}, 4^4, 12^2\})$	11184832
12	$\mathcal{O}(0; \{2^{21}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^{17}, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{13}, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^9, 4^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^{12}, 4^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2, 3^{15}, 4^6, 12^2\})$	5592320
12	$\mathcal{O}(0; \{2^{18}, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^8, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^9, 4^8, 12^2\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^8, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{15}, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^7, 3^6, 4^{10}, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^9, 4^{10}, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{12}, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^8, 3^3, 4^{12}, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^4, 3^6, 4^{12}, 12^2\})$	704512
12	$\mathcal{O}(0; \{3^9, 4^{12}, 12^2\})$	5586944

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 4^{14}, 12^2\})$	65536
12	$\mathcal{O}(0; \{2^5, 3^3, 4^{14}, 12^2\})$	327680
12	$\mathcal{O}(0; \{2, 3^6, 4^{14}, 12^2\})$	2818048
12	$\mathcal{O}(0; \{2^6, 4^{16}, 12^2\})$	262144
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{16}, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^3, 4^{18}, 12^2\})$	1048576
12	$\mathcal{O}(0; \{4^{20}, 12^2\})$	4194304
12	$\mathcal{O}(0; \{2^{27}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{23}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{19}, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{15}, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^7, 3^{16}, 6, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^3, 3^{19}, 6, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{24}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{20}, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^{13}, 4^2, 6, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{16}, 4^2, 6, 12^2\})$	1398096
12	$\mathcal{O}(0; \{3^{19}, 4^2, 6, 12^2\})$	11184816
12	$\mathcal{O}(0; \{2^{21}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^{17}, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^{10}, 4^4, 6, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^{13}, 4^4, 6, 12^2\})$	699072
12	$\mathcal{O}(0; \{2, 3^{16}, 4^4, 6, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^6, 6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^6, 6, 12^2\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^6, 6, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{15}, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^8, 6, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^7, 4^8, 6, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^8, 6, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^{12}, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^8, 3^4, 4^{10}, 6, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^7, 4^{10}, 6, 12^2\})$	700416
12	$\mathcal{O}(0; \{3^{10}, 4^{10}, 6, 12^2\})$	5591040
12	$\mathcal{O}(0; \{2^9, 3, 4^{12}, 6, 12^2\})$	49152
12	$\mathcal{O}(0; \{2^5, 3^4, 4^{12}, 6, 12^2\})$	344064
12	$\mathcal{O}(0; \{2, 3^7, 4^{12}, 6, 12^2\})$	2801664

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3, 4^{14}, 6, 12^2\})$	196608
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{14}, 6, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^3, 3, 4^{16}, 6, 12^2\})$	786432
12	$\mathcal{O}(0; \{3, 4^{18}, 6, 12^2\})$	3145728
12	$\mathcal{O}(0; \{2^{24}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{20}, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{16}, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^8, 3^{14}, 6^2, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^4, 3^{17}, 6^2, 12^2\})$	1398100
12	$\mathcal{O}(0; \{3^{20}, 6^2, 12^2\})$	11184812
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^2, 6^2, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^2, 6^2, 12^2\})$	699056
12	$\mathcal{O}(0; \{2, 3^{17}, 4^2, 6^2, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^4, 6^2, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^4, 6^2, 12^2\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^4, 6^2, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^8, 4^6, 6^2, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^6, 6^2, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^5, 4^8, 6^2, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^8, 4^8, 6^2, 12^2\})$	699392
12	$\mathcal{O}(0; \{3^{11}, 4^8, 6^2, 12^2\})$	5592064
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{10}, 6^2, 12^2\})$	45056
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{10}, 6^2, 12^2\})$	348160
12	$\mathcal{O}(0; \{2, 3^8, 4^{10}, 6^2, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{12}, 6^2, 12^2\})$	180224
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{12}, 6^2, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{14}, 6^2, 12^2\})$	720896
12	$\mathcal{O}(0; \{3^2, 4^{16}, 6^2, 12^2\})$	2883584
12	$\mathcal{O}(0; \{2^{25}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{21}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{17}, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{13}, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^{12}, 6^3, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^5, 3^{15}, 6^3, 12^2\})$	699052

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{18}, 6^3, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{22}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^2, 6^3, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^2, 6^3, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^2, 6^3, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{19}, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^9, 4^4, 6^3, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^4, 6^3, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{16}, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^8, 3^6, 4^6, 6^3, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^9, 4^6, 6^3, 12^2\})$	699136
12	$\mathcal{O}(0; \{3^{12}, 4^6, 6^3, 12^2\})$	5592320
12	$\mathcal{O}(0; \{2^{13}, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^3, 4^8, 6^3, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^6, 4^8, 6^3, 12^2\})$	349184
12	$\mathcal{O}(0; \{2, 3^9, 4^8, 6^3, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 4^{10}, 6^3, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{10}, 6^3, 12^2\})$	176128
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{10}, 6^3, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^7, 4^{12}, 6^3, 12^2\})$	81920
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{12}, 6^3, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^4, 4^{14}, 6^3, 12^2\})$	327680
12	$\mathcal{O}(0; \{3^3, 4^{14}, 6^3, 12^2\})$	2818048
12	$\mathcal{O}(0; \{2, 4^{16}, 6^3, 12^2\})$	1310720
12	$\mathcal{O}(0; \{2^{22}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^{18}, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^4, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^6, 3^{13}, 6^4, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^2, 3^{16}, 6^4, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{19}, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2, 6^4, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2, 6^4, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{16}, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4, 6^4, 12^2\})$	87360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4, 6^4, 12^2\})$	699072
12	$\mathcal{O}(0; \{3^{13}, 4^4, 6^4, 12^2\})$	5592384
12	$\mathcal{O}(0; \{2^{13}, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6, 6^4, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6, 6^4, 12^2\})$	349440
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6, 6^4, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^{10}, 3, 4^8, 6^4, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8, 6^4, 12^2\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8, 6^4, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3, 4^{10}, 6^4, 12^2\})$	86016
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}, 6^4, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^4, 3, 4^{12}, 6^4, 12^2\})$	344064
12	$\mathcal{O}(0; \{3^4, 4^{12}, 6^4, 12^2\})$	2801664
12	$\mathcal{O}(0; \{2, 3, 4^{14}, 6^4, 12^2\})$	1376256
12	$\mathcal{O}(0; \{2^{19}, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^{15}, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^8, 6^5, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^7, 3^{11}, 6^5, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^3, 3^{14}, 6^5, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6^5, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6^5, 12^2\})$	699056
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6^5, 12^2\})$	5592400
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6^5, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6^5, 12^2\})$	349504
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6^5, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6^5, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6^5, 12^2\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6^5, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6^5, 12^2\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6^5, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6^5, 12^2\})$	348160
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6^5, 12^2\})$	2797568
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6^5, 12^2\})$	1392640
12	$\mathcal{O}(0; \{2^{20}, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^{16}, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^8, 3^9, 6^6, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^4, 3^{12}, 6^6, 12^2\})$	699052
12	$\mathcal{O}(0; \{3^{15}, 6^6, 12^2\})$	5592404
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^6, 12^2\})$	688

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^6, 12^2\})$	349520
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^6, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^6, 12^2\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^6, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^6, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^6, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^8, 4^8, 6^6, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^6, 12^2\})$	349184
12	$\mathcal{O}(0; \{3^6, 4^8, 6^6, 12^2\})$	2796544
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^6, 12^2\})$	176128
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^6, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^6, 12^2\})$	704512
12	$\mathcal{O}(0; \{2^{17}, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^7, 6^7, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6^7, 12^2\})$	349524
12	$\mathcal{O}(0; \{2, 3^{13}, 6^7, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^7, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^7, 12^2\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^7, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^7, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^7, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^7, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^7, 12^2\})$	349440
12	$\mathcal{O}(0; \{3^7, 4^6, 6^7, 12^2\})$	2796288
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^7, 12^2\})$	175104
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^7, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^7, 12^2\})$	700416
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^8, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^6, 3^8, 6^8, 12^2\})$	174764
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^8, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^8, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^8, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^8, 12^2\})$	43712

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^8, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^8, 4^4, 6^8, 12^2\})$	2796224
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^8, 12^2\})$	174848
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^8, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^8, 12^2\})$	699392
12	$\mathcal{O}(0; \{2^{15}, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^9, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^6, 6^9, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^3, 3^9, 6^9, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^9, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^9, 12^2\})$	349520
12	$\mathcal{O}(0; \{3^9, 4^2, 6^9, 12^2\})$	2796208
12	$\mathcal{O}(0; \{2^9, 4^4, 6^9, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^9, 12^2\})$	174784
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^9, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2^6, 4^6, 6^9, 12^2\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^9, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^3, 4^8, 6^9, 12^2\})$	349184
12	$\mathcal{O}(0; \{4^{10}, 6^9, 12^2\})$	1396736
12	$\mathcal{O}(0; \{2^{12}, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^4, 6^{10}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^4, 3^7, 6^{10}, 12^2\})$	349524
12	$\mathcal{O}(0; \{3^{10}, 6^{10}, 12^2\})$	2796204
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^{10}, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^{10}, 12^2\})$	174768
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^{10}, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^{10}, 12^2\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^{10}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^{10}, 12^2\})$	349440
12	$\mathcal{O}(0; \{3, 4^8, 6^{10}, 12^2\})$	1397760
12	$\mathcal{O}(0; \{2^9, 3^2, 6^{11}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^5, 6^{11}, 12^2\})$	174764
12	$\mathcal{O}(0; \{2, 3^8, 6^{11}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^{11}, 12^2\})$	87376
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^{11}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^{11}, 12^2\})$	349504
12	$\mathcal{O}(0; \{3^2, 4^6, 6^{11}, 12^2\})$	1398016
12	$\mathcal{O}(0; \{2^{10}, 6^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^3, 6^{12}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^2, 3^6, 6^{12}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^7, 4^2, 6^{12}, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^{12}, 12^2\})$	349520

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 4^4, 6^{12}, 12^2\})$	174784
12	$\mathcal{O}(0; \{3^3, 4^4, 6^{12}, 12^2\})$	1398080
12	$\mathcal{O}(0; \{2, 4^6, 6^{12}, 12^2\})$	699136
12	$\mathcal{O}(0; \{2^7, 3, 6^{13}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^3, 3^4, 6^{13}, 12^2\})$	349524
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^{13}, 12^2\})$	174768
12	$\mathcal{O}(0; \{3^4, 4^2, 6^{13}, 12^2\})$	1398096
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^{13}, 12^2\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^2, 6^{14}, 12^2\})$	174764
12	$\mathcal{O}(0; \{3^5, 6^{14}, 12^2\})$	1398100
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{14}, 12^2\})$	699056
12	$\mathcal{O}(0; \{2^5, 6^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2, 3^3, 6^{15}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{15}, 12^2\})$	349520
12	$\mathcal{O}(0; \{2^2, 3, 6^{16}, 12^2\})$	349524
12	$\mathcal{O}(0; \{6^{18}, 12^2\})$	699052
12	$\mathcal{O}(0; \{2^{24}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{20}, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{16}, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^{11}, 4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^8, 3^{14}, 4, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^{17}, 4, 12^3\})$	2796208
12	$\mathcal{O}(0; \{3^{20}, 4, 12^3\})$	22369616
12	$\mathcal{O}(0; \{2^{21}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^{17}, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^{11}, 4^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{14}, 4^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{17}, 4^3, 12^3\})$	11184832
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^5, 12^3\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^5, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^8, 4^7, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^7, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^8, 3^5, 4^9, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^8, 4^9, 12^3\})$	1396736
12	$\mathcal{O}(0; \{3^{11}, 4^9, 12^3\})$	11186176
12	$\mathcal{O}(0; \{2^9, 3^2, 4^{11}, 12^3\})$	81920

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^5, 4^{11}, 12^3\})$	704512
12	$\mathcal{O}(0; \{2, 3^8, 4^{11}, 12^3\})$	5586944
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{13}, 12^3\})$	327680
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{13}, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{15}, 12^3\})$	1310720
12	$\mathcal{O}(0; \{3^2, 4^{17}, 12^3\})$	5242880
12	$\mathcal{O}(0; \{2^{25}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{21}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{17}, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^{12}, 4, 6, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{15}, 4, 6, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{18}, 4, 6, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{22}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^{18}, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{14}, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^9, 4^3, 6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^{12}, 4^3, 6, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{15}, 4^3, 6, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{19}, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^9, 4^5, 6, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^5, 6, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{16}, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^6, 4^7, 6, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^9, 4^7, 6, 12^3\})$	1397760
12	$\mathcal{O}(0; \{3^{12}, 4^7, 6, 12^3\})$	11185152
12	$\mathcal{O}(0; \{2^{13}, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^9, 3^3, 4^9, 6, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^5, 3^6, 4^9, 6, 12^3\})$	700416
12	$\mathcal{O}(0; \{2, 3^9, 4^9, 6, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^{10}, 4^{11}, 6, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^6, 3^3, 4^{11}, 6, 12^3\})$	344064
12	$\mathcal{O}(0; \{2^2, 3^6, 4^{11}, 6, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^7, 4^{13}, 6, 12^3\})$	196608
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{13}, 6, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^4, 4^{15}, 6, 12^3\})$	786432
12	$\mathcal{O}(0; \{3^3, 4^{15}, 6, 12^3\})$	5505024
12	$\mathcal{O}(0; \{2, 4^{17}, 6, 12^3\})$	3145728
12	$\mathcal{O}(0; \{2^{22}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4, 6^2, 12^3\})$	1360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4, 6^2, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4, 6^2, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4, 6^2, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{19}, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^3, 6^2, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^3, 6^2, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{16}, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^7, 4^5, 6^2, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^5, 6^2, 12^3\})$	1398016
12	$\mathcal{O}(0; \{3^{13}, 4^5, 6^2, 12^3\})$	11184896
12	$\mathcal{O}(0; \{2^{13}, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^4, 4^7, 6^2, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^7, 4^7, 6^2, 12^3\})$	699392
12	$\mathcal{O}(0; \{2, 3^{10}, 4^7, 6^2, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^{10}, 3, 4^9, 6^2, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^4, 4^9, 6^2, 12^3\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^7, 4^9, 6^2, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^7, 3, 4^{11}, 6^2, 12^3\})$	180224
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{11}, 6^2, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^4, 3, 4^{13}, 6^2, 12^3\})$	720896
12	$\mathcal{O}(0; \{3^4, 4^{13}, 6^2, 12^3\})$	5570560
12	$\mathcal{O}(0; \{2, 3, 4^{15}, 6^2, 12^3\})$	2883584
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4, 6^3, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4, 6^3, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^8, 4^3, 6^3, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^3, 6^3, 12^3\})$	1398080
12	$\mathcal{O}(0; \{3^{14}, 4^3, 6^3, 12^3\})$	11184832
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^9, 3^5, 4^5, 6^3, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^8, 4^5, 6^3, 12^3\})$	699136
12	$\mathcal{O}(0; \{2, 3^{11}, 4^5, 6^3, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^7, 6^3, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^5, 4^7, 6^3, 12^3\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^8, 4^7, 6^3, 12^3\})$	2796544

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^9, 6^3, 12^3\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^5, 4^9, 6^3, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{11}, 6^3, 12^3\})$	704512
12	$\mathcal{O}(0; \{3^5, 4^{11}, 6^3, 12^3\})$	5586944
12	$\mathcal{O}(0; \{2, 3^2, 4^{13}, 6^3, 12^3\})$	2818048
12	$\mathcal{O}(0; \{2^{20}, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 6^4, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 6^4, 12^3\})$	1398096
12	$\mathcal{O}(0; \{3^{15}, 4, 6^4, 12^3\})$	11184816
12	$\mathcal{O}(0; \{2^{17}, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 6^4, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 6^4, 12^3\})$	699072
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 6^4, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^{14}, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 6^4, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 6^4, 12^3\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 6^4, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^{11}, 4^7, 6^4, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 6^4, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 6^4, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^8, 4^9, 6^4, 12^3\})$	86016
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 6^4, 12^3\})$	700416
12	$\mathcal{O}(0; \{3^6, 4^9, 6^4, 12^3\})$	5591040
12	$\mathcal{O}(0; \{2^5, 4^{11}, 6^4, 12^3\})$	344064
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 6^4, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^2, 4^{13}, 6^4, 12^3\})$	1376256
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6^5, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6^5, 12^3\})$	699056
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6^5, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6^5, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6^5, 12^3\})$	349504
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6^5, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6^5, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6^5, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6^5, 12^3\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6^5, 12^3\})$	699392

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^7, 6^5, 12^3\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6^5, 12^3\})$	348160
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6^5, 12^3\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6^5, 12^3\})$	1392640
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^6, 12^3\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^6, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^6, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^6, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^6, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^6, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^8, 4^5, 6^6, 12^3\})$	5592320
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^6, 12^3\})$	349184
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^6, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^6, 12^3\})$	1396736
12	$\mathcal{O}(0; \{2^{15}, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^7, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^7, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^7, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^7, 12^3\})$	699072
12	$\mathcal{O}(0; \{3^9, 4^3, 6^7, 12^3\})$	5592384
12	$\mathcal{O}(0; \{2^9, 4^5, 6^7, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^7, 12^3\})$	349440
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^7, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2^6, 4^7, 6^7, 12^3\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^7, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^3, 4^9, 6^7, 12^3\})$	700416
12	$\mathcal{O}(0; \{4^{11}, 6^7, 12^3\})$	2801664
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^8, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^8, 12^3\})$	699056
12	$\mathcal{O}(0; \{3^{10}, 4, 6^8, 12^3\})$	5592400
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^8, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^8, 12^3\})$	349504
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^8, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^8, 12^3\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^8, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^8, 12^3\})$	699392
12	$\mathcal{O}(0; \{3, 4^9, 6^8, 12^3\})$	2797568

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^9, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^9, 12^3\})$	349520
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^9, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^9, 12^3\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^9, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^9, 12^3\})$	699136
12	$\mathcal{O}(0; \{3^2, 4^7, 6^9, 12^3\})$	2796544
12	$\mathcal{O}(0; \{2^{10}, 4, 6^{10}, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^{10}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^{10}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^7, 4^3, 6^{10}, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^{10}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^4, 4^5, 6^{10}, 12^3\})$	349440
12	$\mathcal{O}(0; \{3^3, 4^5, 6^{10}, 12^3\})$	2796288
12	$\mathcal{O}(0; \{2, 4^7, 6^{10}, 12^3\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^{11}, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^{11}, 12^3\})$	699056
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^{11}, 12^3\})$	349504
12	$\mathcal{O}(0; \{3^4, 4^3, 6^{11}, 12^3\})$	2796224
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^{11}, 12^3\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^{12}, 12^3\})$	349520
12	$\mathcal{O}(0; \{3^5, 4, 6^{12}, 12^3\})$	2796208
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^{12}, 12^3\})$	1398080
12	$\mathcal{O}(0; \{2^5, 4, 6^{13}, 12^3\})$	174768
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^{13}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^2, 4^3, 6^{13}, 12^3\})$	699072
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{14}, 12^3\})$	699056
12	$\mathcal{O}(0; \{4, 6^{16}, 12^3\})$	1398096
12	$\mathcal{O}(0; \{2^{25}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{21}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{17}, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{13}, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^9, 3^{13}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^5, 3^{16}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2, 3^{19}, 12^4\})$	22369616
12	$\mathcal{O}(0; \{2^{22}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^{18}, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^{10}, 4^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^{13}, 4^2, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{16}, 4^2, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{19}, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^4, 12^4\})$	11008

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^4, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^4, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{16}, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^7, 4^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{3^{13}, 4^6, 12^4\})$	22369280
12	$\mathcal{O}(0; \{2^{13}, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^9, 3^4, 4^8, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^7, 4^8, 12^4\})$	1396736
12	$\mathcal{O}(0; \{2, 3^{10}, 4^8, 12^4\})$	11186176
12	$\mathcal{O}(0; \{2^{10}, 3, 4^{10}, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^6, 3^4, 4^{10}, 12^4\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^7, 4^{10}, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^7, 3, 4^{12}, 12^4\})$	327680
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{12}, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^4, 3, 4^{14}, 12^4\})$	1310720
12	$\mathcal{O}(0; \{3^4, 4^{14}, 12^4\})$	11272192
12	$\mathcal{O}(0; \{2, 3, 4^{16}, 12^4\})$	5242880
12	$\mathcal{O}(0; \{2^{22}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^{18}, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{14}, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^6, 3^{14}, 6, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^2, 3^{17}, 6, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{19}, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^{15}, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^{11}, 4^2, 6, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{14}, 4^2, 6, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^8, 3^8, 4^4, 6, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^4, 6, 12^4\})$	2796288
12	$\mathcal{O}(0; \{3^{14}, 4^4, 6, 12^4\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^5, 4^6, 6, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^8, 4^6, 6, 12^4\})$	1397760
12	$\mathcal{O}(0; \{2, 3^{11}, 4^6, 6, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^8, 6, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^5, 4^8, 6, 12^4\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^8, 4^8, 6, 12^4\})$	5591040

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^2, 4^{10}, 6, 12^4\})$	344064
12	$\mathcal{O}(0; \{2^3, 3^5, 4^{10}, 6, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{12}, 6, 12^4\})$	1376256
12	$\mathcal{O}(0; \{3^5, 4^{12}, 6, 12^4\})$	11206656
12	$\mathcal{O}(0; \{2, 3^2, 4^{14}, 6, 12^4\})$	5505024
12	$\mathcal{O}(0; \{2^{23}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^{19}, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{15}, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^7, 3^{12}, 6^2, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^3, 3^{15}, 6^2, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{20}, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2, 6^2, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2, 6^2, 12^4\})$	2796224
12	$\mathcal{O}(0; \{3^{15}, 4^2, 6^2, 12^4\})$	22369600
12	$\mathcal{O}(0; \{2^{17}, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4, 6^2, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4, 6^2, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4, 6^2, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^{14}, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6, 6^2, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6, 6^2, 12^4\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6, 6^2, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^{11}, 4^8, 6^2, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8, 6^2, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8, 6^2, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^8, 4^{10}, 6^2, 12^4\})$	180224
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}, 6^2, 12^4\})$	1392640
12	$\mathcal{O}(0; \{3^6, 4^{10}, 6^2, 12^4\})$	11190272
12	$\mathcal{O}(0; \{2^5, 4^{12}, 6^2, 12^4\})$	720896
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}, 6^2, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^2, 4^{14}, 6^2, 12^4\})$	2883584
12	$\mathcal{O}(0; \{2^{20}, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^{16}, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^8, 3^{10}, 6^3, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^4, 3^{13}, 6^3, 12^4\})$	2796208
12	$\mathcal{O}(0; \{3^{16}, 6^3, 12^4\})$	22369616
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6^3, 12^4\})$	21824

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6^3, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6^3, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6^3, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6^3, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6^3, 12^4\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6^3, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6^3, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6^3, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6^3, 12^4\})$	176128
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6^3, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3^7, 4^8, 6^3, 12^4\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6^3, 12^4\})$	704512
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6^3, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6^3, 12^4\})$	2818048
12	$\mathcal{O}(0; \{2^{17}, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^{13}, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^8, 6^4, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^5, 3^{11}, 6^4, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2, 3^{14}, 6^4, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^4, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^4, 12^4\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^4, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^4, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^4, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^4, 12^4\})$	175104
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^4, 12^4\})$	1397760
12	$\mathcal{O}(0; \{3^8, 4^6, 6^4, 12^4\})$	11185152
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^4, 12^4\})$	700416
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^4, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^4, 12^4\})$	2801664
12	$\mathcal{O}(0; \{2^{18}, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6^5, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^6, 3^9, 6^5, 12^4\})$	699056
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6^5, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^5, 12^4\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^5, 12^4\})$	2796224

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^5, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^5, 12^4\})$	1398016
12	$\mathcal{O}(0; \{3^9, 4^4, 6^5, 12^4\})$	11184896
12	$\mathcal{O}(0; \{2^9, 4^6, 6^5, 12^4\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^5, 12^4\})$	699392
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^5, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2^6, 4^8, 6^5, 12^4\})$	348160
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^5, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^5, 12^4\})$	1392640
12	$\mathcal{O}(0; \{4^{12}, 6^5, 12^4\})$	5570560
12	$\mathcal{O}(0; \{2^{15}, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^7, 6^6, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^6, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^6, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^6, 12^4\})$	1398080
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^6, 12^4\})$	11184832
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^6, 12^4\})$	699136
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^6, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^6, 12^4\})$	349184
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^6, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^6, 12^4\})$	1396736
12	$\mathcal{O}(0; \{3, 4^{10}, 6^6, 12^4\})$	5586944
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^5, 6^7, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^4, 3^8, 6^7, 12^4\})$	1398096
12	$\mathcal{O}(0; \{3^{11}, 6^7, 12^4\})$	11184816
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^7, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^7, 12^4\})$	699072
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^7, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^7, 12^4\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^7, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^7, 12^4\})$	1397760
12	$\mathcal{O}(0; \{3^2, 4^8, 6^7, 12^4\})$	5591040
12	$\mathcal{O}(0; \{2^{13}, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^3, 6^8, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^6, 6^8, 12^4\})$	699056
12	$\mathcal{O}(0; \{2, 3^9, 6^8, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^8, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^8, 12^4\})$	349504

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^8, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^7, 4^4, 6^8, 12^4\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^8, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^4, 4^6, 6^8, 12^4\})$	699392
12	$\mathcal{O}(0; \{3^3, 4^6, 6^8, 12^4\})$	5592064
12	$\mathcal{O}(0; \{2, 4^8, 6^8, 12^4\})$	2797568
12	$\mathcal{O}(0; \{2^{10}, 3, 6^9, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^4, 6^9, 12^4\})$	349520
12	$\mathcal{O}(0; \{2^2, 3^7, 6^9, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^9, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^9, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^9, 12^4\})$	699136
12	$\mathcal{O}(0; \{3^4, 4^4, 6^9, 12^4\})$	5592320
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^9, 12^4\})$	2796544
12	$\mathcal{O}(0; \{2^7, 3^2, 6^{10}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^3, 3^5, 6^{10}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^{10}, 12^4\})$	699072
12	$\mathcal{O}(0; \{3^5, 4^2, 6^{10}, 12^4\})$	5592384
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^{10}, 12^4\})$	2796288
12	$\mathcal{O}(0; \{2^8, 6^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^4, 3^3, 6^{11}, 12^4\})$	699056
12	$\mathcal{O}(0; \{3^6, 6^{11}, 12^4\})$	5592400
12	$\mathcal{O}(0; \{2^5, 4^2, 6^{11}, 12^4\})$	349504
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^{11}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{2^2, 4^4, 6^{11}, 12^4\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3, 6^{12}, 12^4\})$	349520
12	$\mathcal{O}(0; \{2, 3^4, 6^{12}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{12}, 12^4\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^2, 6^{13}, 12^4\})$	1398096
12	$\mathcal{O}(0; \{2^3, 6^{14}, 12^4\})$	699056
12	$\mathcal{O}(0; \{4^2, 6^{14}, 12^4\})$	2796224
12	$\mathcal{O}(0; \{3, 6^{15}, 12^4\})$	2796208
12	$\mathcal{O}(0; \{2^{23}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^{19}, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{15}, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^{12}, 4, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^{15}, 4, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{20}, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^9, 4^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^3, 12^5\})$	5592320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{15}, 4^3, 12^5\})$	44739328
12	$\mathcal{O}(0; \{2^{17}, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^9, 3^6, 4^5, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^9, 4^5, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2, 3^{12}, 4^5, 12^5\})$	22369280
12	$\mathcal{O}(0; \{2^{14}, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^7, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^6, 4^7, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^9, 4^7, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^{11}, 4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^7, 3^3, 4^9, 12^5\})$	704512
12	$\mathcal{O}(0; \{2^3, 3^6, 4^9, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^8, 4^{11}, 12^5\})$	327680
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{11}, 12^5\})$	2818048
12	$\mathcal{O}(0; \{3^6, 4^{11}, 12^5\})$	22347776
12	$\mathcal{O}(0; \{2^5, 4^{13}, 12^5\})$	1310720
12	$\mathcal{O}(0; \{2, 3^3, 4^{13}, 12^5\})$	11272192
12	$\mathcal{O}(0; \{2^2, 4^{15}, 12^5\})$	5242880
12	$\mathcal{O}(0; \{2^{20}, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^{16}, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^{10}, 4, 6, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^{13}, 4, 6, 12^5\})$	5592384
12	$\mathcal{O}(0; \{3^{16}, 4, 6, 12^5\})$	44739264
12	$\mathcal{O}(0; \{2^{17}, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^7, 4^3, 6, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^3, 6, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2, 3^{13}, 4^3, 6, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^{14}, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^5, 6, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^7, 4^5, 6, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^5, 6, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^{11}, 3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^4, 4^7, 6, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^7, 4^7, 6, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^8, 3, 4^9, 6, 12^5\})$	344064
12	$\mathcal{O}(0; \{2^4, 3^4, 4^9, 6, 12^5\})$	2801664
12	$\mathcal{O}(0; \{3^7, 4^9, 6, 12^5\})$	22364160
12	$\mathcal{O}(0; \{2^5, 3, 4^{11}, 6, 12^5\})$	1376256
12	$\mathcal{O}(0; \{2, 3^4, 4^{11}, 6, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2^2, 3, 4^{13}, 6, 12^5\})$	5505024

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 6^2, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 6^2, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 6^2, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 6^2, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 6^2, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 6^2, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 6^2, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 6^2, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 6^2, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 6^2, 12^5\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 6^2, 12^5\})$	2797568
12	$\mathcal{O}(0; \{3^8, 4^7, 6^2, 12^5\})$	22368256
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 6^2, 12^5\})$	1392640
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 6^2, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 6^2, 12^5\})$	5570560
12	$\mathcal{O}(0; \{2^{18}, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6^3, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6^3, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6^3, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6^3, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6^3, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6^3, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6^3, 12^5\})$	2796544
12	$\mathcal{O}(0; \{3^9, 4^5, 6^3, 12^5\})$	22369280
12	$\mathcal{O}(0; \{2^9, 4^7, 6^3, 12^5\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6^3, 12^5\})$	1396736
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6^3, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2^6, 4^9, 6^3, 12^5\})$	704512
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6^3, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6^3, 12^5\})$	2818048
12	$\mathcal{O}(0; \{4^{13}, 6^3, 12^5\})$	11272192
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^4, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^4, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^4, 12^5\})$	43776

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^4, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^4, 12^5\})$	2796288
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^4, 12^5\})$	22369536
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^4, 12^5\})$	175104
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^4, 12^5\})$	1397760
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^4, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^4, 12^5\})$	700416
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^4, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^4, 12^5\})$	2801664
12	$\mathcal{O}(0; \{3, 4^{11}, 6^4, 12^5\})$	11206656
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^5, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^5, 12^5\})$	2796224
12	$\mathcal{O}(0; \{3^{11}, 4, 6^5, 12^5\})$	22369600
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^5, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^5, 12^5\})$	1398016
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^5, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^5, 12^5\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^5, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^5, 12^5\})$	2797568
12	$\mathcal{O}(0; \{3^2, 4^9, 6^5, 12^5\})$	11190272
12	$\mathcal{O}(0; \{2^{13}, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^6, 12^5\})$	1398080
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^6, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^6, 12^5\})$	699136
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^6, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^7, 4^5, 6^6, 12^5\})$	349184
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^6, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^4, 4^7, 6^6, 12^5\})$	1396736
12	$\mathcal{O}(0; \{3^3, 4^7, 6^6, 12^5\})$	11186176
12	$\mathcal{O}(0; \{2, 4^9, 6^6, 12^5\})$	5586944
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^7, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^7, 12^5\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^7, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^7, 12^5\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^7, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^7, 12^5\})$	1397760
12	$\mathcal{O}(0; \{3^4, 4^5, 6^7, 12^5\})$	11185152
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^7, 12^5\})$	5591040
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^8, 12^5\})$	349504
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^8, 12^5\})$	2796224

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^8, 12^5\})$	1398016
12	$\mathcal{O}(0; \{3^5, 4^3, 6^8, 12^5\})$	11184896
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^8, 12^5\})$	5592064
12	$\mathcal{O}(0; \{2^8, 4, 6^9, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^9, 12^5\})$	1398080
12	$\mathcal{O}(0; \{3^6, 4, 6^9, 12^5\})$	11184832
12	$\mathcal{O}(0; \{2^5, 4^3, 6^9, 12^5\})$	699136
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^9, 12^5\})$	5592320
12	$\mathcal{O}(0; \{2^2, 4^5, 6^9, 12^5\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^{10}, 12^5\})$	699072
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^{10}, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^{10}, 12^5\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^{11}, 12^5\})$	2796224
12	$\mathcal{O}(0; \{2^3, 4, 6^{12}, 12^5\})$	1398080
12	$\mathcal{O}(0; \{4^3, 6^{12}, 12^5\})$	5592320
12	$\mathcal{O}(0; \{3, 4, 6^{13}, 12^5\})$	5592384
12	$\mathcal{O}(0; \{2^{20}, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^{16}, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{12}, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^8, 3^{11}, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^4, 3^{14}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{3^{17}, 12^6\})$	89478464
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2, 12^6\})$	44739328
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8, 12^6\})$	704512
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8, 12^6\})$	5586944
12	$\mathcal{O}(0; \{3^8, 4^8, 12^6\})$	44744704
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}, 12^6\})$	2818048
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}, 12^6\})$	22347776
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}, 12^6\})$	11272192
12	$\mathcal{O}(0; \{2^{21}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^{17}, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{13}, 3^6, 6, 12^6\})$	87360

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^9, 6, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^5, 3^{12}, 6, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2, 3^{15}, 6, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{18}, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{15}, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^{12}, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6, 12^6\})$	5591040
12	$\mathcal{O}(0; \{3^9, 4^6, 6, 12^6\})$	44740608
12	$\mathcal{O}(0; \{2^9, 4^8, 6, 12^6\})$	344064
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6, 12^6\})$	2801664
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2^6, 4^{10}, 6, 12^6\})$	1376256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^3, 4^{12}, 6, 12^6\})$	5505024
12	$\mathcal{O}(0; \{4^{14}, 6, 12^6\})$	22020096
12	$\mathcal{O}(0; \{2^{18}, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^{14}, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^{10}, 3^7, 6^2, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^6, 3^{10}, 6^2, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2^2, 3^{13}, 6^2, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^2, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^2, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^2, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^2, 12^6\})$	5592064
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^2, 12^6\})$	44739584
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^2, 12^6\})$	348160
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^2, 12^6\})$	2797568
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^2, 12^6\})$	22368256
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^2, 12^6\})$	1392640
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^2, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^2, 12^6\})$	5570560
12	$\mathcal{O}(0; \{3, 4^{12}, 6^2, 12^6\})$	22282240

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^8, 6^3, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6^3, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^3, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^3, 12^6\})$	5592320
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^3, 12^6\})$	44739328
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^3, 12^6\})$	349184
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^3, 12^6\})$	2796544
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^3, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^3, 12^6\})$	1396736
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^3, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^3, 12^6\})$	5586944
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^3, 12^6\})$	22347776
12	$\mathcal{O}(0; \{2^{16}, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3^6, 6^4, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^4, 3^9, 6^4, 12^6\})$	5592384
12	$\mathcal{O}(0; \{3^{12}, 6^4, 12^6\})$	44739264
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^4, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^4, 12^6\})$	2796288
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^4, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^4, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^4, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^7, 4^6, 6^4, 12^6\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^4, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^4, 4^8, 6^4, 12^6\})$	2801664
12	$\mathcal{O}(0; \{3^3, 4^8, 6^4, 12^6\})$	22364160
12	$\mathcal{O}(0; \{2, 4^{10}, 6^4, 12^6\})$	11206656
12	$\mathcal{O}(0; \{2^{13}, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^9, 3^4, 6^5, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^7, 6^5, 12^6\})$	2796224
12	$\mathcal{O}(0; \{2, 3^{10}, 6^5, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^5, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^5, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^5, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^5, 12^6\})$	699392
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^5, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^5, 12^6\})$	2797568
12	$\mathcal{O}(0; \{3^4, 4^6, 6^5, 12^6\})$	22368256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^5, 12^6\})$	11190272
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^5, 6^6, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2^2, 3^8, 6^6, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^6, 12^6\})$	699136
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^6, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^6, 12^6\})$	2796544
12	$\mathcal{O}(0; \{3^5, 4^4, 6^6, 12^6\})$	22369280
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^6, 12^6\})$	11186176
12	$\mathcal{O}(0; \{2^{11}, 6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^3, 6^7, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^3, 3^6, 6^7, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^8, 4^2, 6^7, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^7, 12^6\})$	2796288
12	$\mathcal{O}(0; \{3^6, 4^2, 6^7, 12^6\})$	22369536
12	$\mathcal{O}(0; \{2^5, 4^4, 6^7, 12^6\})$	1397760
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^7, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^2, 4^6, 6^7, 12^6\})$	5591040
12	$\mathcal{O}(0; \{2^8, 3, 6^8, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^4, 3^4, 6^8, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3^7, 6^8, 12^6\})$	22369600
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^8, 12^6\})$	1398016
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^8, 12^6\})$	11184896
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^8, 12^6\})$	5592064
12	$\mathcal{O}(0; \{2^5, 3^2, 6^9, 12^6\})$	1398080
12	$\mathcal{O}(0; \{2, 3^5, 6^9, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^9, 12^6\})$	5592320
12	$\mathcal{O}(0; \{2^6, 6^{10}, 12^6\})$	699072
12	$\mathcal{O}(0; \{2^2, 3^3, 6^{10}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{10}, 12^6\})$	2796288
12	$\mathcal{O}(0; \{4^4, 6^{10}, 12^6\})$	11185152
12	$\mathcal{O}(0; \{2^3, 3, 6^{11}, 12^6\})$	2796224
12	$\mathcal{O}(0; \{3, 4^2, 6^{11}, 12^6\})$	11184896
12	$\mathcal{O}(0; \{3^2, 6^{12}, 12^6\})$	11184832
12	$\mathcal{O}(0; \{2, 6^{13}, 12^6\})$	5592384
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 12^7\})$	2796544

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 12^7\})$	11186176
12	$\mathcal{O}(0; \{3^{10}, 4^5, 12^7\})$	89477120
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 12^7\})$	704512
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 12^7\})$	5586944
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 12^7\})$	44744704
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 12^7\})$	2818048
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 12^7\})$	11272192
12	$\mathcal{O}(0; \{3, 4^{13}, 12^7\})$	45088768
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6, 12^7\})$	11185152
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6, 12^7\})$	89478144
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6, 12^7\})$	700416
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6, 12^7\})$	5591040
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6, 12^7\})$	2801664
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6, 12^7\})$	11206656
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6, 12^7\})$	44826624
12	$\mathcal{O}(0; \{2^{16}, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^2, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^2, 12^7\})$	11184896
12	$\mathcal{O}(0; \{3^{12}, 4, 6^2, 12^7\})$	89478400
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^2, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^2, 12^7\})$	5592064
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^2, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^2, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^2, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^2, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^7, 4^7, 6^2, 12^7\})$	1392640
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^2, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^4, 4^9, 6^2, 12^7\})$	5570560
12	$\mathcal{O}(0; \{3^3, 4^9, 6^2, 12^7\})$	44761088

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^{11}, 6^2, 12^7\})$	22282240
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^3, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^3, 12^7\})$	5592320
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^3, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^3, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^3, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^3, 12^7\})$	1396736
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^3, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^3, 12^7\})$	5586944
12	$\mathcal{O}(0; \{3^4, 4^7, 6^3, 12^7\})$	44744704
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^3, 12^7\})$	22347776
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^4, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^4, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^4, 12^7\})$	1397760
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^4, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^4, 12^7\})$	5591040
12	$\mathcal{O}(0; \{3^5, 4^5, 6^4, 12^7\})$	44740608
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^4, 12^7\})$	22364160
12	$\mathcal{O}(0; \{2^{11}, 4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^5, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^5, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^8, 4^3, 6^5, 12^7\})$	699392
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^5, 12^7\})$	5592064
12	$\mathcal{O}(0; \{3^6, 4^3, 6^5, 12^7\})$	44739584
12	$\mathcal{O}(0; \{2^5, 4^5, 6^5, 12^7\})$	2797568
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^5, 12^7\})$	22368256
12	$\mathcal{O}(0; \{2^2, 4^7, 6^5, 12^7\})$	11190272
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^6, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^6, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3^7, 4, 6^6, 12^7\})$	44739328
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^6, 12^7\})$	2796544
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^6, 12^7\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^6, 12^7\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^7, 12^7\})$	2796288
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^7, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^7, 12^7\})$	11185152
12	$\mathcal{O}(0; \{2^6, 4, 6^8, 12^7\})$	1398016
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^8, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^3, 4^3, 6^8, 12^7\})$	5592064
12	$\mathcal{O}(0; \{4^5, 6^8, 12^7\})$	22368256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^9, 12^7\})$	5592320
12	$\mathcal{O}(0; \{3, 4^3, 6^9, 12^7\})$	22369280
12	$\mathcal{O}(0; \{3^2, 4, 6^{10}, 12^7\})$	22369536
12	$\mathcal{O}(0; \{2, 4, 6^{11}, 12^7\})$	11184896
12	$\mathcal{O}(0; \{2^{19}, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^{15}, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^{11}, 3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^7, 3^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^3, 3^{12}, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{16}, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 12^8\})$	22369280
12	$\mathcal{O}(0; \{3^{12}, 4^2, 12^8\})$	178957312
12	$\mathcal{O}(0; \{2^{13}, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 12^8\})$	11186176
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 12^8\})$	89477120
12	$\mathcal{O}(0; \{2^{10}, 4^6, 12^8\})$	704512
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^7, 4^8, 12^8\})$	2818048
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^4, 4^{10}, 12^8\})$	11272192
12	$\mathcal{O}(0; \{3^3, 4^{10}, 12^8\})$	89391104
12	$\mathcal{O}(0; \{2, 4^{12}, 12^8\})$	45088768
12	$\mathcal{O}(0; \{2^{16}, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^8, 3^7, 6, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6, 12^8\})$	22369536
12	$\mathcal{O}(0; \{3^{13}, 6, 12^8\})$	178957056
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6, 12^8\})$	11185152
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6, 12^8\})$	2801664
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6, 12^8\})$	11206656
12	$\mathcal{O}(0; \{3^4, 4^8, 6, 12^8\})$	89456640
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6, 12^8\})$	44826624

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^9, 3^5, 6^2, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^5, 3^8, 6^2, 12^8\})$	11184896
12	$\mathcal{O}(0; \{2, 3^{11}, 6^2, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^2, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^2, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^2, 12^8\})$	2797568
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^2, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^2, 12^8\})$	11190272
12	$\mathcal{O}(0; \{3^5, 4^6, 6^2, 12^8\})$	89473024
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^2, 12^8\})$	44761088
12	$\mathcal{O}(0; \{2^{14}, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^3, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^6, 3^6, 6^3, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2^2, 3^9, 6^3, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^3, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^3, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^8, 4^4, 6^3, 12^8\})$	1396736
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^3, 12^8\})$	11186176
12	$\mathcal{O}(0; \{3^6, 4^4, 6^3, 12^8\})$	89477120
12	$\mathcal{O}(0; \{2^5, 4^6, 6^3, 12^8\})$	5586944
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^3, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^2, 4^8, 6^3, 12^8\})$	22347776
12	$\mathcal{O}(0; \{2^{11}, 3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^7, 3^4, 6^4, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^3, 3^7, 6^4, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^4, 12^8\})$	1397760
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^4, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3^7, 4^2, 6^4, 12^8\})$	89478144
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^4, 12^8\})$	5591040
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^4, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^4, 12^8\})$	22364160
12	$\mathcal{O}(0; \{2^8, 3^2, 6^5, 12^8\})$	1398016
12	$\mathcal{O}(0; \{2^4, 3^5, 6^5, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^8, 6^5, 12^8\})$	89478400
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^5, 12^8\})$	5592064
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^5, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^5, 12^8\})$	22368256
12	$\mathcal{O}(0; \{2^9, 6^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 3^3, 6^6, 12^8\})$	5592320
12	$\mathcal{O}(0; \{2, 3^6, 6^6, 12^8\})$	44739328

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 4^2, 6^6, 12^8\})$	2796544
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^6, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2^3, 4^4, 6^6, 12^8\})$	11186176
12	$\mathcal{O}(0; \{4^6, 6^6, 12^8\})$	44744704
12	$\mathcal{O}(0; \{2^6, 3, 6^7, 12^8\})$	2796288
12	$\mathcal{O}(0; \{2^2, 3^4, 6^7, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^7, 12^8\})$	11185152
12	$\mathcal{O}(0; \{3, 4^4, 6^7, 12^8\})$	44740608
12	$\mathcal{O}(0; \{2^3, 3^2, 6^8, 12^8\})$	11184896
12	$\mathcal{O}(0; \{3^2, 4^2, 6^8, 12^8\})$	44739584
12	$\mathcal{O}(0; \{2^4, 6^9, 12^8\})$	5592320
12	$\mathcal{O}(0; \{3^3, 6^9, 12^8\})$	44739328
12	$\mathcal{O}(0; \{2, 4^2, 6^9, 12^8\})$	22369280
12	$\mathcal{O}(0; \{2, 3, 6^{10}, 12^8\})$	22369536
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 12^9\})$	22369280
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 12^9\})$	178957312
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 12^9\})$	5586944
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 12^9\})$	22347776
12	$\mathcal{O}(0; \{3^5, 4^7, 12^9\})$	178978816
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 12^9\})$	89391104
12	$\mathcal{O}(0; \{2^{14}, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^8, 4^5, 6, 12^9\})$	2801664
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6, 12^9\})$	22364160
12	$\mathcal{O}(0; \{3^6, 4^5, 6, 12^9\})$	178962432
12	$\mathcal{O}(0; \{2^5, 4^7, 6, 12^9\})$	11206656
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2^2, 4^9, 6, 12^9\})$	44826624
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^2, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^2, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^2, 12^9\})$	2797568

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^2, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3^7, 4^3, 6^2, 12^9\})$	178958336
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^2, 12^9\})$	11190272
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^2, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^2, 12^9\})$	44761088
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^3, 12^9\})$	2796544
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^3, 12^9\})$	22369280
12	$\mathcal{O}(0; \{3^8, 4, 6^3, 12^9\})$	178957312
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^3, 12^9\})$	11186176
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^3, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^3, 12^9\})$	44744704
12	$\mathcal{O}(0; \{2^9, 4, 6^4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^4, 12^9\})$	11185152
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^4, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2^6, 4^3, 6^4, 12^9\})$	5591040
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^4, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2^3, 4^5, 6^4, 12^9\})$	22364160
12	$\mathcal{O}(0; \{4^7, 6^4, 12^9\})$	89456640
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^5, 12^9\})$	5592064
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^5, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^5, 12^9\})$	22368256
12	$\mathcal{O}(0; \{3, 4^5, 6^5, 12^9\})$	89473024
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^6, 12^9\})$	22369280
12	$\mathcal{O}(0; \{3^2, 4^3, 6^6, 12^9\})$	89477120
12	$\mathcal{O}(0; \{2^4, 4, 6^7, 12^9\})$	11185152
12	$\mathcal{O}(0; \{3^3, 4, 6^7, 12^9\})$	89478144
12	$\mathcal{O}(0; \{2, 4^3, 6^7, 12^9\})$	44740608
12	$\mathcal{O}(0; \{2, 3, 4, 6^8, 12^9\})$	44739584
12	$\mathcal{O}(0; \{2^{14}, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{2^{10}, 3^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^6, 3^7, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2^2, 3^{10}, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 12^{10}\})$	5586944
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{3^7, 4^4, 12^{10}\})$	357908480
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 12^{10}\})$	22347776
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 12^{10}\})$	178978816
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 12^{10}\})$	89391104
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^7, 3^5, 6, 12^{10}\})$	11185152

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^8, 6, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6, 12^{10}\})$	5591040
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{3^8, 4^2, 6, 12^{10}\})$	357912576
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6, 12^{10}\})$	22364160
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6, 12^{10}\})$	89456640
12	$\mathcal{O}(0; \{2^{12}, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{3^9, 6^2, 12^{10}\})$	357913600
12	$\mathcal{O}(0; \{2^9, 4^2, 6^2, 12^{10}\})$	2797568
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^2, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^2, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2^6, 4^4, 6^2, 12^{10}\})$	11190272
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^2, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^3, 4^6, 6^2, 12^{10}\})$	44761088
12	$\mathcal{O}(0; \{4^8, 6^2, 12^{10}\})$	179044352
12	$\mathcal{O}(0; \{2^9, 3, 6^3, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{2, 3^7, 6^3, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^3, 12^{10}\})$	11186176
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^3, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^3, 12^{10}\})$	44744704
12	$\mathcal{O}(0; \{3, 4^6, 6^3, 12^{10}\})$	178978816
12	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 12^{10}\})$	11185152
12	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^4, 12^{10}\})$	44740608
12	$\mathcal{O}(0; \{3^2, 4^4, 6^4, 12^{10}\})$	178962432
12	$\mathcal{O}(0; \{2^7, 6^5, 12^{10}\})$	5592064
12	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^4, 4^2, 6^5, 12^{10}\})$	22368256
12	$\mathcal{O}(0; \{3^3, 4^2, 6^5, 12^{10}\})$	178958336
12	$\mathcal{O}(0; \{2, 4^4, 6^5, 12^{10}\})$	89473024
12	$\mathcal{O}(0; \{2^4, 3, 6^6, 12^{10}\})$	22369280
12	$\mathcal{O}(0; \{3^4, 6^6, 12^{10}\})$	178957312
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^6, 12^{10}\})$	89477120
12	$\mathcal{O}(0; \{2, 3^2, 6^7, 12^{10}\})$	89478144
12	$\mathcal{O}(0; \{2^2, 6^8, 12^{10}\})$	44739584
12	$\mathcal{O}(0; \{2^{12}, 4, 12^{11}\})$	1396736
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{3^9, 4, 12^{11}\})$	715829248

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 4^3, 12^{11}\})$	5586944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 12^{11}\})$	357908480
12	$\mathcal{O}(0; \{2^6, 4^5, 12^{11}\})$	22347776
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^3, 4^7, 12^{11}\})$	89391104
12	$\mathcal{O}(0; \{4^9, 12^{11}\})$	357564416
12	$\mathcal{O}(0; \{2^9, 3, 4, 6, 12^{11}\})$	5591040
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^7, 4, 6, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6, 12^{11}\})$	22364160
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6, 12^{11}\})$	89456640
12	$\mathcal{O}(0; \{3, 4^7, 6, 12^{11}\})$	357826560
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^2, 12^{11}\})$	22368256
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^2, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^2, 12^{11}\})$	89473024
12	$\mathcal{O}(0; \{3^2, 4^5, 6^2, 12^{11}\})$	357892096
12	$\mathcal{O}(0; \{2^7, 4, 6^3, 12^{11}\})$	11186176
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^3, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^4, 4^3, 6^3, 12^{11}\})$	44744704
12	$\mathcal{O}(0; \{3^3, 4^3, 6^3, 12^{11}\})$	357908480
12	$\mathcal{O}(0; \{2, 4^5, 6^3, 12^{11}\})$	178978816
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^4, 12^{11}\})$	44740608
12	$\mathcal{O}(0; \{3^4, 4, 6^4, 12^{11}\})$	357912576
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^4, 12^{11}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^5, 12^{11}\})$	178958336
12	$\mathcal{O}(0; \{2^2, 4, 6^6, 12^{11}\})$	89477120
12	$\mathcal{O}(0; \{2^9, 3^2, 12^{12}\})$	11186176
12	$\mathcal{O}(0; \{2^5, 3^5, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{2, 3^8, 12^{12}\})$	715829248
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 12^{12}\})$	44744704
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 12^{12}\})$	178978816
12	$\mathcal{O}(0; \{3^2, 4^6, 12^{12}\})$	715915264
12	$\mathcal{O}(0; \{2^{10}, 6, 12^{12}\})$	5591040
12	$\mathcal{O}(0; \{2^6, 3^3, 6, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2^2, 3^6, 6, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^7, 4^2, 6, 12^{12}\})$	22364160
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^4, 4^4, 6, 12^{12}\})$	89456640
12	$\mathcal{O}(0; \{3^3, 4^4, 6, 12^{12}\})$	715849728
12	$\mathcal{O}(0; \{2, 4^6, 6, 12^{12}\})$	357826560

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3, 6^2, 12^{12}\})$	22368256
12	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 12^{12}\})$	89473024
12	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 12^{12}\})$	715833344
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 12^{12}\})$	357892096
12	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 12^{12}\})$	89477120
12	$\mathcal{O}(0; \{3^5, 6^3, 12^{12}\})$	715829248
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 12^{12}\})$	357908480
12	$\mathcal{O}(0; \{2^5, 6^4, 12^{12}\})$	44740608
12	$\mathcal{O}(0; \{2, 3^3, 6^4, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 12^{12}\})$	178962432
12	$\mathcal{O}(0; \{2^2, 3, 6^5, 12^{12}\})$	178958336
12	$\mathcal{O}(0; \{6^7, 12^{12}\})$	357912576
12	$\mathcal{O}(0; \{2^7, 3, 4, 12^{13}\})$	44744704
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 12^{13}\})$	178978816
12	$\mathcal{O}(0; \{3^4, 4^3, 12^{13}\})$	1431633920
12	$\mathcal{O}(0; \{2, 3, 4^5, 12^{13}\})$	715915264
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 12^{13}\})$	178962432
12	$\mathcal{O}(0; \{3^5, 4, 6, 12^{13}\})$	1431650304
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 12^{13}\})$	715849728
12	$\mathcal{O}(0; \{2^5, 4, 6^2, 12^{13}\})$	89473024
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 12^{13}\})$	357892096
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 12^{13}\})$	357908480
12	$\mathcal{O}(0; \{4, 6^5, 12^{13}\})$	715833344
12	$\mathcal{O}(0; \{2^8, 12^{14}\})$	44744704
12	$\mathcal{O}(0; \{2^4, 3^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{3^6, 12^{14}\})$	2863316992
12	$\mathcal{O}(0; \{2^5, 4^2, 12^{14}\})$	178978816
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 12^{14}\})$	1431633920
12	$\mathcal{O}(0; \{2^2, 4^4, 12^{14}\})$	715915264
12	$\mathcal{O}(0; \{2^5, 3, 6, 12^{14}\})$	178962432
12	$\mathcal{O}(0; \{2, 3^4, 6, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12^{14}\})$	715849728
12	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12^{14}\})$	715833344
12	$\mathcal{O}(0; \{2^3, 6^3, 12^{14}\})$	357908480
12	$\mathcal{O}(0; \{4^2, 6^3, 12^{14}\})$	1431633920
12	$\mathcal{O}(0; \{3, 6^4, 12^{14}\})$	1431650304
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^{15}\})$	1431633920
12	$\mathcal{O}(0; \{2^3, 4, 6, 12^{15}\})$	715849728
12	$\mathcal{O}(0; \{4^3, 6, 12^{15}\})$	2863398912
12	$\mathcal{O}(0; \{3, 4, 6^2, 12^{15}\})$	286333376

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3, 12^{16}\})$	1431633920
12	$\mathcal{O}(0; \{3, 4^2, 12^{16}\})$	5726535680
12	$\mathcal{O}(0; \{3^2, 6, 12^{16}\})$	5726601216
12	$\mathcal{O}(0; \{2, 6^2, 12^{16}\})$	2863333376
12	$\mathcal{O}(0; \{2, 4, 12^{17}\})$	5726535680
13	$\mathcal{O}(6; \{13^4\})$	37183743855479676
13	$\mathcal{O}(0; \{13^{17}\})$	170662392826187460
14	$\mathcal{O}(6; \{2^2, 7^2\})$	340163474251776
14	$\mathcal{O}(6; \{7, 14^2\})$	1700817371258880
14	$\mathcal{O}(5; \{2^6, 7^2\})$	1735527929856
14	$\mathcal{O}(5; \{2^4, 7, 14^2\})$	8677639649280
14	$\mathcal{O}(5; \{2^2, 14^4\})$	53801365825536
14	$\mathcal{O}(4; \{2^{10}, 7^2\})$	8854734336
14	$\mathcal{O}(4; \{2^3, 7^5, 14\})$	9837609847296
14	$\mathcal{O}(4; \{2^8, 7, 14^2\})$	44273671680
14	$\mathcal{O}(4; \{2, 7^4, 14^3\})$	59016804349440
14	$\mathcal{O}(4; \{2^6, 14^4\})$	274496764416
14	$\mathcal{O}(3; \{2^{14}, 7^2\})$	45177216
14	$\mathcal{O}(3; \{2^2, 7^9\})$	10840047093120
14	$\mathcal{O}(3; \{2^7, 7^5, 14\})$	50191886976
14	$\mathcal{O}(3; \{2^{12}, 7, 14^2\})$	225886080
14	$\mathcal{O}(3; \{7^8, 14^2\})$	65040327735936
14	$\mathcal{O}(3; \{2^5, 7^4, 14^3\})$	301106144640
14	$\mathcal{O}(3; \{2^{10}, 14^4\})$	1400493696
14	$\mathcal{O}(3; \{2^3, 7^3, 14^5\})$	1806682045056
14	$\mathcal{O}(3; \{2, 7^2, 14^7\})$	10840047093120
14	$\mathcal{O}(2; \{2^{18}, 7^2\})$	230496
14	$\mathcal{O}(2; \{2^6, 7^9\})$	55306362720
14	$\mathcal{O}(2; \{2^{11}, 7^5, 14\})$	256081056
14	$\mathcal{O}(2; \{2^{16}, 7, 14^2\})$	1152480
14	$\mathcal{O}(2; \{2^4, 7^8, 14^2\})$	331838406816
14	$\mathcal{O}(2; \{2^9, 7^4, 14^3\})$	1536255840
14	$\mathcal{O}(2; \{2^{14}, 14^4\})$	7145376
14	$\mathcal{O}(2; \{2^2, 7^7, 14^4\})$	1991030210400
14	$\mathcal{O}(2; \{2^7, 7^3, 14^5\})$	9217765536
14	$\mathcal{O}(2; \{7^6, 14^6\})$	11946181492896
14	$\mathcal{O}(2; \{2^5, 7^2, 14^7\})$	55306362720
14	$\mathcal{O}(2; \{2^3, 7, 14^9\})$	331838406816
14	$\mathcal{O}(2; \{2, 14^{11}\})$	1991030210400
14	$\mathcal{O}(1; \{2^{22}, 7^2\})$	1176
14	$\mathcal{O}(1; \{2^{10}, 7^9\})$	282175320
14	$\mathcal{O}(1; \{2^{15}, 7^5, 14\})$	1306536
14	$\mathcal{O}(1; \{2^3, 7^{12}, 14\})$	365699432280

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^{20}, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{2^8, 7^8, 14^2\})$	1693053096
14	$\mathcal{O}(1; \{2^{13}, 7^4, 14^3\})$	7838040
14	$\mathcal{O}(1; \{2, 7^{11}, 14^3\})$	2194196594856
14	$\mathcal{O}(1; \{2^{18}, 14^4\})$	36456
14	$\mathcal{O}(1; \{2^6, 7^7, 14^4\})$	10158317400
14	$\mathcal{O}(1; \{2^{11}, 7^3, 14^5\})$	47029416
14	$\mathcal{O}(1; \{2^4, 7^6, 14^6\})$	60949905576
14	$\mathcal{O}(1; \{2^9, 7^2, 14^7\})$	282175320
14	$\mathcal{O}(1; \{2^2, 7^5, 14^8\})$	365699432280
14	$\mathcal{O}(1; \{2^7, 7, 14^9\})$	1693053096
14	$\mathcal{O}(1; \{7^4, 14^{10}\})$	2194196594856
14	$\mathcal{O}(1; \{2^5, 14^{11}\})$	10158317400
14	$\mathcal{O}(0; \{2^{26}, 7^2\})$	6
14	$\mathcal{O}(0; \{2^{14}, 7^9\})$	1439670
14	$\mathcal{O}(0; \{2^2, 7^{16}\})$	403015701066
14	$\mathcal{O}(0; \{2^{19}, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^7, 7^{12}, 14\})$	1865813430
14	$\mathcal{O}(0; \{2^{24}, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{2^{12}, 7^8, 14^2\})$	8638026
14	$\mathcal{O}(0; \{7^{15}, 14^2\})$	2418094206390
14	$\mathcal{O}(0; \{2^{17}, 7^4, 14^3\})$	39990
14	$\mathcal{O}(0; \{2^5, 7^{11}, 14^3\})$	11194880586
14	$\mathcal{O}(0; \{2^{22}, 14^4\})$	186
14	$\mathcal{O}(0; \{2^{10}, 7^7, 14^4\})$	51828150
14	$\mathcal{O}(0; \{2^{15}, 7^3, 14^5\})$	239946
14	$\mathcal{O}(0; \{2^3, 7^{10}, 14^5\})$	67169283510
14	$\mathcal{O}(0; \{2^8, 7^6, 14^6\})$	310968906
14	$\mathcal{O}(0; \{2^{13}, 7^2, 14^7\})$	1439670
14	$\mathcal{O}(0; \{2, 7^9, 14^7\})$	403015701066
14	$\mathcal{O}(0; \{2^6, 7^5, 14^8\})$	1865813430
14	$\mathcal{O}(0; \{2^{11}, 7, 14^9\})$	8638026
14	$\mathcal{O}(0; \{2^4, 7^4, 14^{10}\})$	11194880586
14	$\mathcal{O}(0; \{2^9, 14^{11}\})$	51828150
14	$\mathcal{O}(0; \{2^2, 7^3, 14^{12}\})$	67169283510
14	$\mathcal{O}(0; \{7^2, 14^{14}\})$	403015701066
15	$\mathcal{O}(6; \{15^2\})$	1037970703125000
15	$\mathcal{O}(5; \{3^2, 5^2, 15\})$	13839609375000
15	$\mathcal{O}(5; \{3^3, 15^2\})$	23066015625000
15	$\mathcal{O}(4; \{3^4, 5^4\})$	799621875000
15	$\mathcal{O}(4; \{3^5, 5^2, 15\})$	676603125000
15	$\mathcal{O}(4; \{3^6, 15^2\})$	881634375000
15	$\mathcal{O}(4; \{5^5, 15^2\})$	16792059375000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(4; \{3, 5^3, 15^3\})$	12609421875000
15	$\mathcal{O}(4; \{3^2, 5, 15^4\})$	11502253125000
15	$\mathcal{O}(3; \{3^7, 5^4\})$	24877125000
15	$\mathcal{O}(3; \{3^8, 5^2, 15\})$	23236875000
15	$\mathcal{O}(3; \{3^2, 5^7, 15\})$	298616625000
15	$\mathcal{O}(3; \{3^9, 15^2\})$	31073625000
15	$\mathcal{O}(3; \{3^3, 5^5, 15^2\})$	373156875000
15	$\mathcal{O}(3; \{3^4, 5^3, 15^3\})$	392293125000
15	$\mathcal{O}(3; \{3^5, 5, 15^4\})$	395026875000
15	$\mathcal{O}(3; \{5^4, 15^5\})$	5971876875000
15	$\mathcal{O}(3; \{3, 5^2, 15^6\})$	6270949125000
15	$\mathcal{O}(3; \{3^2, 15^7\})$	6343666875000
15	$\mathcal{O}(2; \{3^{10}, 5^4\})$	900315000
15	$\mathcal{O}(2; \{3^4, 5^9\})$	15925005000
15	$\mathcal{O}(2; \{3^{11}, 5^2, 15\})$	829845000
15	$\mathcal{O}(2; \{3^5, 5^7, 15\})$	14599035000
15	$\mathcal{O}(2; \{3^{12}, 15^2\})$	1106055000
15	$\mathcal{O}(2; \{3^6, 5^5, 15^2\})$	14262885000
15	$\mathcal{O}(2; \{5^{10}, 15^2\})$	339738705000
15	$\mathcal{O}(2; \{3^7, 5^3, 15^3\})$	14197275000
15	$\mathcal{O}(2; \{3, 5^8, 15^3\})$	254803725000
15	$\mathcal{O}(2; \{3^8, 5, 15^4\})$	14107365000
15	$\mathcal{O}(2; \{3^2, 5^6, 15^4\})$	233571195000
15	$\mathcal{O}(2; \{3^3, 5^4, 15^5\})$	228258405000
15	$\mathcal{O}(2; \{3^4, 5^2, 15^6\})$	226948635000
15	$\mathcal{O}(2; \{3^5, 15^7\})$	226547685000
15	$\mathcal{O}(2; \{5^3, 15^8\})$	3652186725000
15	$\mathcal{O}(2; \{3, 5, 15^9\})$	3630970395000
15	$\mathcal{O}(1; \{3^{13}, 5^4\})$	31941000
15	$\mathcal{O}(1; \{3^7, 5^9\})$	495444600
15	$\mathcal{O}(1; \{3^{14}, 5^2, 15\})$	29489400
15	$\mathcal{O}(1; \{3^8, 5^7, 15\})$	501381000
15	$\mathcal{O}(1; \{3^2, 5^{12}, 15\})$	6039797400
15	$\mathcal{O}(1; \{3^{15}, 15^2\})$	39321000
15	$\mathcal{O}(1; \{3^9, 5^5, 15^2\})$	502702200
15	$\mathcal{O}(1; \{3^3, 5^{10}, 15^2\})$	7549749000
15	$\mathcal{O}(1; \{3^{10}, 5^3, 15^3\})$	503685000
15	$\mathcal{O}(1; \{3^4, 5^8, 15^3\})$	7927227000
15	$\mathcal{O}(1; \{3^{11}, 5, 15^4\})$	501319800
15	$\mathcal{O}(1; \{3^5, 5^6, 15^4\})$	8021637000
15	$\mathcal{O}(1; \{3^6, 5^4, 15^5\})$	8045076600
15	$\mathcal{O}(1; \{5^9, 15^5\})$	120795957000
15	$\mathcal{O}(1; \{3^7, 5^2, 15^6\})$	8051589000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3, 5^7, 15^6\})$	126835745400
15	$\mathcal{O}(1; \{3^8, 15^7\})$	8050606200
15	$\mathcal{O}(1; \{3^2, 5^5, 15^7\})$	128345733000
15	$\mathcal{O}(1; \{3^3, 5^3, 15^8\})$	128723067000
15	$\mathcal{O}(1; \{3^4, 5, 15^9\})$	128818053000
15	$\mathcal{O}(1; \{5^2, 15^{11}\})$	2059570913400
15	$\mathcal{O}(1; \{3, 15^{12}\})$	2061081477000
15	$\mathcal{O}(0; \{3^{16}, 5^4\})$	1135992
15	$\mathcal{O}(0; \{3^{10}, 5^9\})$	17930376
15	$\mathcal{O}(0; \{3^4, 5^{14}\})$	322122552
15	$\mathcal{O}(0; \{3^{17}, 5^2, 15\})$	1048584
15	$\mathcal{O}(0; \{3^{11}, 5^7, 15\})$	17905528
15	$\mathcal{O}(0; \{3^5, 5^{12}, 15\})$	295278984
15	$\mathcal{O}(0; \{3^{18}, 15^2\})$	1398104
15	$\mathcal{O}(0; \{3^{12}, 5^5, 15^2\})$	17893512
15	$\mathcal{O}(0; \{3^6, 5^{10}, 15^2\})$	288568184
15	$\mathcal{O}(0; \{5^{15}, 15^2\})$	6871947672
15	$\mathcal{O}(0; \{3^{13}, 5^3, 15^3\})$	17913720
15	$\mathcal{O}(0; \{3^7, 5^8, 15^3\})$	286890120
15	$\mathcal{O}(0; \{3, 5^{13}, 15^3\})$	5153960760
15	$\mathcal{O}(0; \{3^{14}, 5, 15^4\})$	17825928
15	$\mathcal{O}(0; \{3^8, 5^6, 15^4\})$	286472056
15	$\mathcal{O}(0; \{3^2, 5^{11}, 15^4\})$	4724464008
15	$\mathcal{O}(0; \{3^9, 5^4, 15^5\})$	286361736
15	$\mathcal{O}(0; \{3^3, 5^9, 15^5\})$	4617089912
15	$\mathcal{O}(0; \{3^{10}, 5^2, 15^6\})$	286357368
15	$\mathcal{O}(0; \{3^4, 5^7, 15^6\})$	4590246024
15	$\mathcal{O}(0; \{3^{11}, 15^7\})$	286263432
15	$\mathcal{O}(0; \{3^5, 5^5, 15^7\})$	4583536504
15	$\mathcal{O}(0; \{3^6, 5^3, 15^8\})$	4581853320
15	$\mathcal{O}(0; \{5^8, 15^8\})$	73873437560
15	$\mathcal{O}(0; \{3^7, 5, 15^9\})$	4581455736
15	$\mathcal{O}(0; \{3, 5^6, 15^9\})$	73443940488
15	$\mathcal{O}(0; \{3^2, 5^4, 15^{10}\})$	73336567672
15	$\mathcal{O}(0; \{3^3, 5^2, 15^{11}\})$	73309718664
15	$\mathcal{O}(0; \{3^4, 15^{12}\})$	73303029624
15	$\mathcal{O}(0; \{5, 15^{14}\})$	1172955564168
16	$\mathcal{O}(5; \{2, 4, 16^2\})$	17592186044416
16	$\mathcal{O}(4; \{2^5, 4, 16^2\})$	68719476736
16	$\mathcal{O}(4; \{2^2, 4^3, 16^2\})$	274877906944
16	$\mathcal{O}(4; \{2^3, 8^2, 16^2\})$	549755813888
16	$\mathcal{O}(4; \{4^2, 8^2, 16^2\})$	2199023255552
16	$\mathcal{O}(4; \{2, 8, 16^4\})$	8796093022208

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(3; \{2^9, 4, 16^2\})$	268435456
16	$\mathcal{O}(3; \{2^6, 4^3, 16^2\})$	1073741824
16	$\mathcal{O}(3; \{2^3, 4^5, 16^2\})$	4294967296
16	$\mathcal{O}(3; \{4^7, 16^2\})$	17179869184
16	$\mathcal{O}(3; \{2^7, 8^2, 16^2\})$	2147483648
16	$\mathcal{O}(3; \{2^4, 4^2, 8^2, 16^2\})$	8589934592
16	$\mathcal{O}(3; \{2, 4^4, 8^2, 16^2\})$	34359738368
16	$\mathcal{O}(3; \{2^2, 4, 8^4, 16^2\})$	68719476736
16	$\mathcal{O}(3; \{8^6, 16^2\})$	549755813888
16	$\mathcal{O}(3; \{2^5, 8, 16^4\})$	34359738368
16	$\mathcal{O}(3; \{2^2, 4^2, 8, 16^4\})$	137438953472
16	$\mathcal{O}(3; \{4, 8^3, 16^4\})$	1099511627776
16	$\mathcal{O}(3; \{2^3, 16^6\})$	549755813888
16	$\mathcal{O}(3; \{4^2, 16^6\})$	2199023255552
16	$\mathcal{O}(2; \{2^{13}, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{2^{10}, 4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^7, 4^5, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2^4, 4^7, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2, 4^9, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^{11}, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^8, 4^2, 8^2, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2^5, 4^4, 8^2, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^2, 4^6, 8^2, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^6, 4, 8^4, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^3, 4^3, 8^4, 16^2\})$	1073741824
16	$\mathcal{O}(2; \{4^5, 8^4, 16^2\})$	4294967296
16	$\mathcal{O}(2; \{2^4, 8^6, 16^2\})$	2147483648
16	$\mathcal{O}(2; \{2, 4^2, 8^6, 16^2\})$	8589934592
16	$\mathcal{O}(2; \{2^9, 8, 16^4\})$	134217728
16	$\mathcal{O}(2; \{2^6, 4^2, 8, 16^4\})$	536870912
16	$\mathcal{O}(2; \{2^3, 4^4, 8, 16^4\})$	2147483648
16	$\mathcal{O}(2; \{4^6, 8, 16^4\})$	8589934592
16	$\mathcal{O}(2; \{2^4, 4, 8^3, 16^4\})$	4294967296
16	$\mathcal{O}(2; \{2, 4^3, 8^3, 16^4\})$	17179869184
16	$\mathcal{O}(2; \{2^2, 8^5, 16^4\})$	34359738368
16	$\mathcal{O}(2; \{2^7, 16^6\})$	2147483648
16	$\mathcal{O}(2; \{2^4, 4^2, 16^6\})$	8589934592
16	$\mathcal{O}(2; \{2, 4^4, 16^6\})$	34359738368
16	$\mathcal{O}(2; \{2^2, 4, 8^2, 16^6\})$	68719476736
16	$\mathcal{O}(2; \{8^4, 16^6\})$	549755813888
16	$\mathcal{O}(2; \{4, 8, 16^8\})$	1099511627776
16	$\mathcal{O}(1; \{2^{17}, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^{14}, 4^3, 16^2\})$	16384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^{11}, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^8, 4^7, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^5, 4^9, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^2, 4^{11}, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{15}, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^{12}, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^9, 4^4, 8^2, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^6, 4^6, 8^2, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^3, 4^8, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(1; \{4^{10}, 8^2, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^{10}, 4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^7, 4^3, 8^4, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^4, 4^5, 8^4, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2, 4^7, 8^4, 16^2\})$	67108864
16	$\mathcal{O}(1; \{2^8, 8^6, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^5, 4^2, 8^6, 16^2\})$	33554432
16	$\mathcal{O}(1; \{2^2, 4^4, 8^6, 16^2\})$	134217728
16	$\mathcal{O}(1; \{2^3, 4, 8^8, 16^2\})$	268435456
16	$\mathcal{O}(1; \{4^3, 8^8, 16^2\})$	1073741824
16	$\mathcal{O}(1; \{2, 8^{10}, 16^2\})$	2147483648
16	$\mathcal{O}(1; \{2^{13}, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^{10}, 4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^7, 4^4, 8, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2^4, 4^6, 8, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2, 4^8, 8, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^8, 4, 8^3, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^5, 4^3, 8^3, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^2, 4^5, 8^3, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^6, 8^5, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^3, 4^2, 8^5, 16^4\})$	536870912
16	$\mathcal{O}(1; \{4^4, 8^5, 16^4\})$	2147483648
16	$\mathcal{O}(1; \{2, 4, 8^7, 16^4\})$	4294967296
16	$\mathcal{O}(1; \{2^{11}, 16^6\})$	8388608
16	$\mathcal{O}(1; \{2^8, 4^2, 16^6\})$	33554432
16	$\mathcal{O}(1; \{2^5, 4^4, 16^6\})$	134217728
16	$\mathcal{O}(1; \{2^2, 4^6, 16^6\})$	536870912
16	$\mathcal{O}(1; \{2^6, 4, 8^2, 16^6\})$	268435456
16	$\mathcal{O}(1; \{2^3, 4^3, 8^2, 16^6\})$	1073741824
16	$\mathcal{O}(1; \{4^5, 8^2, 16^6\})$	4294967296
16	$\mathcal{O}(1; \{2^4, 8^4, 16^6\})$	2147483648
16	$\mathcal{O}(1; \{2, 4^2, 8^4, 16^6\})$	8589934592
16	$\mathcal{O}(1; \{2^4, 4, 8, 16^8\})$	4294967296
16	$\mathcal{O}(1; \{2, 4^3, 8, 16^8\})$	17179869184

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^2, 8^3, 16^8\})$	34359738368
16	$\mathcal{O}(1; \{2^2, 4, 16^{10}\})$	68719476736
16	$\mathcal{O}(1; \{8^2, 16^{10}\})$	549755813888
16	$\mathcal{O}(0; \{2^{21}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^{18}, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^{15}, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^{12}, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^9, 4^9, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^6, 4^{11}, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^3, 4^{13}, 16^2\})$	65536
16	$\mathcal{O}(0; \{4^{15}, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{19}, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^{16}, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^{13}, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^{10}, 4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^7, 4^8, 8^2, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^4, 4^{10}, 8^2, 16^2\})$	131072
16	$\mathcal{O}(0; \{2, 4^{12}, 8^2, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^{14}, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^{11}, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^8, 4^5, 8^4, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^5, 4^7, 8^4, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^2, 4^9, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^{12}, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^9, 4^2, 8^6, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^6, 4^4, 8^6, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^3, 4^6, 8^6, 16^2\})$	2097152
16	$\mathcal{O}(0; \{4^8, 8^6, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^7, 4, 8^8, 16^2\})$	1048576
16	$\mathcal{O}(0; \{2^4, 4^3, 8^8, 16^2\})$	4194304
16	$\mathcal{O}(0; \{2, 4^5, 8^8, 16^2\})$	16777216
16	$\mathcal{O}(0; \{2^5, 8^{10}, 16^2\})$	8388608
16	$\mathcal{O}(0; \{2^2, 4^2, 8^{10}, 16^2\})$	33554432
16	$\mathcal{O}(0; \{4, 8^{12}, 16^2\})$	268435456
16	$\mathcal{O}(0; \{2^{17}, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^{14}, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^{11}, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^8, 4^6, 8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^5, 4^8, 8, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^2, 4^{10}, 8, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^{12}, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^9, 4^3, 8^3, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^6, 4^5, 8^3, 16^4\})$	1048576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 4^7, 8^3, 16^4\})$	4194304
16	$\mathcal{O}(0; \{4^9, 8^3, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^{10}, 8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^7, 4^2, 8^5, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^4, 4^4, 8^5, 16^4\})$	8388608
16	$\mathcal{O}(0; \{2, 4^6, 8^5, 16^4\})$	33554432
16	$\mathcal{O}(0; \{2^5, 4, 8^7, 16^4\})$	16777216
16	$\mathcal{O}(0; \{2^2, 4^3, 8^7, 16^4\})$	67108864
16	$\mathcal{O}(0; \{2^3, 8^9, 16^4\})$	134217728
16	$\mathcal{O}(0; \{4^2, 8^9, 16^4\})$	536870912
16	$\mathcal{O}(0; \{2^{15}, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^{12}, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^9, 4^4, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^6, 4^6, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^3, 4^8, 16^6\})$	8388608
16	$\mathcal{O}(0; \{4^{10}, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^{10}, 4, 8^2, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^7, 4^3, 8^2, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^4, 4^5, 8^2, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2, 4^7, 8^2, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^8, 8^4, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^5, 4^2, 8^4, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^2, 4^4, 8^4, 16^6\})$	134217728
16	$\mathcal{O}(0; \{2^3, 4, 8^6, 16^6\})$	268435456
16	$\mathcal{O}(0; \{4^3, 8^6, 16^6\})$	1073741824
16	$\mathcal{O}(0; \{2, 8^8, 16^6\})$	2147483648
16	$\mathcal{O}(0; \{2^8, 4, 8, 16^8\})$	16777216
16	$\mathcal{O}(0; \{2^5, 4^3, 8, 16^8\})$	67108864
16	$\mathcal{O}(0; \{2^2, 4^5, 8, 16^8\})$	268435456
16	$\mathcal{O}(0; \{2^6, 8^3, 16^8\})$	134217728
16	$\mathcal{O}(0; \{2^3, 4^2, 8^3, 16^8\})$	536870912
16	$\mathcal{O}(0; \{4^4, 8^3, 16^8\})$	2147483648
16	$\mathcal{O}(0; \{2, 4, 8^5, 16^8\})$	4294967296
16	$\mathcal{O}(0; \{2^6, 4, 16^{10}\})$	268435456
16	$\mathcal{O}(0; \{2^3, 4^3, 16^{10}\})$	1073741824
16	$\mathcal{O}(0; \{4^5, 16^{10}\})$	4294967296
16	$\mathcal{O}(0; \{2^4, 8^2, 16^{10}\})$	2147483648
16	$\mathcal{O}(0; \{2, 4^2, 8^2, 16^{10}\})$	8589934592
16	$\mathcal{O}(0; \{2^2, 8, 16^{12}\})$	34359738368
16	$\mathcal{O}(0; \{16^{14}\})$	549755813888
17	$\mathcal{O}(2; \{17^9\})$	337618789125360
18	$\mathcal{O}(5; \{18^2\})$	21422803359744
18	$\mathcal{O}(4; \{2, 3, 9^2, 18\})$	396718580736

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(4; \{2^4, 18^2\})$	66119763456
18	$\mathcal{O}(4; \{3^3, 18^2\})$	528958107648
18	$\mathcal{O}(4; \{2, 3, 6, 18^2\})$	264479053824
18	$\mathcal{O}(3; \{2^2, 3^2, 9^4\})$	22039921152
18	$\mathcal{O}(3; \{2^3, 6, 9^4\})$	11019960576
18	$\mathcal{O}(3; \{3, 6^2, 9^4\})$	44079842304
18	$\mathcal{O}(3; \{2^5, 3, 9^2, 18\})$	1224440064
18	$\mathcal{O}(3; \{2, 3^4, 9^2, 18\})$	9795520512
18	$\mathcal{O}(3; \{2^2, 3^2, 6, 9^2, 18\})$	4897760256
18	$\mathcal{O}(3; \{2^3, 6^2, 9^2, 18\})$	2448880128
18	$\mathcal{O}(3; \{3, 6^3, 9^2, 18\})$	9795520512
18	$\mathcal{O}(3; \{2, 9^5, 18\})$	181829349504
18	$\mathcal{O}(3; \{2^8, 18^2\})$	204073344
18	$\mathcal{O}(3; \{2^4, 3^3, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{3^6, 18^2\})$	13060694016
18	$\mathcal{O}(3; \{2^5, 3, 6, 18^2\})$	816293376
18	$\mathcal{O}(3; \{2, 3^4, 6, 18^2\})$	6530347008
18	$\mathcal{O}(3; \{2^2, 3^2, 6^2, 18^2\})$	3265173504
18	$\mathcal{O}(3; \{2^3, 6^3, 18^2\})$	1632586752
18	$\mathcal{O}(3; \{3, 6^4, 18^2\})$	6530347008
18	$\mathcal{O}(3; \{3^2, 9^3, 18^2\})$	110199605760
18	$\mathcal{O}(3; \{2, 6, 9^3, 18^2\})$	55099802880
18	$\mathcal{O}(3; \{2^3, 3, 9, 18^3\})$	11019960576
18	$\mathcal{O}(3; \{3^2, 6, 9, 18^3\})$	44079842304
18	$\mathcal{O}(3; \{2, 6^2, 9, 18^3\})$	22039921152
18	$\mathcal{O}(3; \{2, 3, 18^5\})$	55099802880
18	$\mathcal{O}(2; \{2^6, 3^2, 9^4\})$	68024448
18	$\mathcal{O}(2; \{2^2, 3^5, 9^4\})$	544195584
18	$\mathcal{O}(2; \{2^7, 6, 9^4\})$	34012224
18	$\mathcal{O}(2; \{2^3, 3^3, 6, 9^4\})$	272097792
18	$\mathcal{O}(2; \{2^4, 3, 6^2, 9^4\})$	136048896
18	$\mathcal{O}(2; \{3^4, 6^2, 9^4\})$	1088391168
18	$\mathcal{O}(2; \{2, 3^2, 6^3, 9^4\})$	544195584
18	$\mathcal{O}(2; \{2^2, 6^4, 9^4\})$	272097792
18	$\mathcal{O}(2; \{2^2, 3, 9^7\})$	6428310336
18	$\mathcal{O}(2; \{6^2, 9^7\})$	12856620672
18	$\mathcal{O}(2; \{2^9, 3, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^5, 3^4, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{2, 3^7, 9^2, 18\})$	241864704
18	$\mathcal{O}(2; \{2^6, 3^2, 6, 9^2, 18\})$	15116544
18	$\mathcal{O}(2; \{2^2, 3^5, 6, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^7, 6^2, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2^3, 3^3, 6^2, 9^2, 18\})$	60466176

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^4, 3, 6^3, 9^2, 18\})$	30233088
18	$\mathcal{O}(2; \{3^4, 6^3, 9^2, 18\})$	241864704
18	$\mathcal{O}(2; \{2, 3^2, 6^4, 9^2, 18\})$	120932352
18	$\mathcal{O}(2; \{2^2, 6^5, 9^2, 18\})$	60466176
18	$\mathcal{O}(2; \{2^5, 9^5, 18\})$	561201696
18	$\mathcal{O}(2; \{2, 3^3, 9^5, 18\})$	4489613568
18	$\mathcal{O}(2; \{2^2, 3, 6, 9^5, 18\})$	2244806784
18	$\mathcal{O}(2; \{6^3, 9^5, 18\})$	4489613568
18	$\mathcal{O}(2; \{2^{12}, 18^2\})$	629856
18	$\mathcal{O}(2; \{2^8, 3^3, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^4, 3^6, 18^2\})$	40310784
18	$\mathcal{O}(2; \{3^9, 18^2\})$	322486272
18	$\mathcal{O}(2; \{2^9, 3, 6, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2^5, 3^4, 6, 18^2\})$	20155392
18	$\mathcal{O}(2; \{2, 3^7, 6, 18^2\})$	161243136
18	$\mathcal{O}(2; \{2^6, 3^2, 6^2, 18^2\})$	10077696
18	$\mathcal{O}(2; \{2^2, 3^5, 6^2, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^7, 6^3, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^3, 3^3, 6^3, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3, 6^4, 18^2\})$	20155392
18	$\mathcal{O}(2; \{3^4, 6^4, 18^2\})$	161243136
18	$\mathcal{O}(2; \{2, 3^2, 6^5, 18^2\})$	80621568
18	$\mathcal{O}(2; \{2^2, 6^6, 18^2\})$	40310784
18	$\mathcal{O}(2; \{2^4, 3^2, 9^3, 18^2\})$	340122240
18	$\mathcal{O}(2; \{3^5, 9^3, 18^2\})$	2720977920
18	$\mathcal{O}(2; \{2^5, 6, 9^3, 18^2\})$	170061120
18	$\mathcal{O}(2; \{2, 3^3, 6, 9^3, 18^2\})$	1360488960
18	$\mathcal{O}(2; \{2^2, 3, 6^2, 9^3, 18^2\})$	680244480
18	$\mathcal{O}(2; \{6^4, 9^3, 18^2\})$	1360488960
18	$\mathcal{O}(2; \{3, 9^6, 18^2\})$	39488192064
18	$\mathcal{O}(2; \{2^7, 3, 9, 18^3\})$	34012224
18	$\mathcal{O}(2; \{2^3, 3^4, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{2^4, 3^2, 6, 9, 18^3\})$	136048896
18	$\mathcal{O}(2; \{3^5, 6, 9, 18^3\})$	1088391168
18	$\mathcal{O}(2; \{2^5, 6^2, 9, 18^3\})$	68024448
18	$\mathcal{O}(2; \{2, 3^3, 6^2, 9, 18^3\})$	544195584
18	$\mathcal{O}(2; \{2^2, 3, 6^3, 9, 18^3\})$	272097792
18	$\mathcal{O}(2; \{6^5, 9, 18^3\})$	544195584
18	$\mathcal{O}(2; \{2^3, 9^4, 18^3\})$	3214155168
18	$\mathcal{O}(2; \{3, 6, 9^4, 18^3\})$	12856620672
18	$\mathcal{O}(2; \{2^2, 3^2, 9^2, 18^4\})$	2244806784
18	$\mathcal{O}(2; \{2^3, 6, 9^2, 18^4\})$	1122403392
18	$\mathcal{O}(2; \{3, 6^2, 9^2, 18^4\})$	4489613568

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^5, 3, 18^5\})$	170061120
18	$\mathcal{O}(2; \{2, 3^4, 18^5\})$	1360488960
18	$\mathcal{O}(2; \{2^2, 3^2, 6, 18^5\})$	680244480
18	$\mathcal{O}(2; \{2^3, 6^2, 18^5\})$	340122240
18	$\mathcal{O}(2; \{3, 6^3, 18^5\})$	1360488960
18	$\mathcal{O}(2; \{2, 9^3, 18^5\})$	19744096032
18	$\mathcal{O}(2; \{3^2, 9, 18^6\})$	12856620672
18	$\mathcal{O}(2; \{2, 6, 9, 18^6\})$	6428310336
18	$\mathcal{O}(1; \{2^{10}, 3^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^6, 3^5, 9^4\})$	1679616
18	$\mathcal{O}(1; \{2^2, 3^8, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2^{11}, 6, 9^4\})$	104976
18	$\mathcal{O}(1; \{2^7, 3^3, 6, 9^4\})$	839808
18	$\mathcal{O}(1; \{2^3, 3^6, 6, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^8, 3, 6^2, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^4, 6^2, 9^4\})$	3359232
18	$\mathcal{O}(1; \{3^7, 6^2, 9^4\})$	26873856
18	$\mathcal{O}(1; \{2^5, 3^2, 6^3, 9^4\})$	1679616
18	$\mathcal{O}(1; \{2, 3^5, 6^3, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2^6, 6^4, 9^4\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^3, 6^4, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^3, 3, 6^5, 9^4\})$	3359232
18	$\mathcal{O}(1; \{3^2, 6^6, 9^4\})$	13436928
18	$\mathcal{O}(1; \{2, 6^7, 9^4\})$	6718464
18	$\mathcal{O}(1; \{2^6, 3, 9^7\})$	19840464
18	$\mathcal{O}(1; \{2^2, 3^4, 9^7\})$	158723712
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^7\})$	79361856
18	$\mathcal{O}(1; \{2^4, 6^2, 9^7\})$	39680928
18	$\mathcal{O}(1; \{3^3, 6^2, 9^7\})$	317447424
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^7\})$	158723712
18	$\mathcal{O}(1; \{2^2, 9^{10}\})$	2181033864
18	$\mathcal{O}(1; \{2^{13}, 3, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2^9, 3^4, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^5, 3^7, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{2, 3^{10}, 9^2, 18\})$	5971968
18	$\mathcal{O}(1; \{2^{10}, 3^2, 6, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^6, 3^5, 6, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{2^2, 3^8, 6, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^{11}, 6^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^7, 3^3, 6^2, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^3, 3^6, 6^2, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^8, 3, 6^3, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^4, 3^4, 6^3, 9^2, 18\})$	746496

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{3^7, 6^3, 9^2, 18\})$	5971968
18	$\mathcal{O}(1; \{2^5, 3^2, 6^4, 9^2, 18\})$	373248
18	$\mathcal{O}(1; \{2, 3^5, 6^4, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2^6, 6^5, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^2, 3^3, 6^5, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^3, 3, 6^6, 9^2, 18\})$	746496
18	$\mathcal{O}(1; \{3^2, 6^7, 9^2, 18\})$	2985984
18	$\mathcal{O}(1; \{2, 6^8, 9^2, 18\})$	1492992
18	$\mathcal{O}(1; \{2^9, 9^5, 18\})$	1732104
18	$\mathcal{O}(1; \{2^5, 3^3, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{2, 3^6, 9^5, 18\})$	110854656
18	$\mathcal{O}(1; \{2^6, 3, 6, 9^5, 18\})$	6928416
18	$\mathcal{O}(1; \{2^2, 3^4, 6, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 9^5, 18\})$	27713664
18	$\mathcal{O}(1; \{2^4, 6^3, 9^5, 18\})$	13856832
18	$\mathcal{O}(1; \{3^3, 6^3, 9^5, 18\})$	110854656
18	$\mathcal{O}(1; \{2, 3, 6^4, 9^5, 18\})$	55427328
18	$\mathcal{O}(1; \{2, 3^2, 9^8, 18\})$	1445519520
18	$\mathcal{O}(1; \{2^2, 6, 9^8, 18\})$	722759760
18	$\mathcal{O}(1; \{2^{16}, 18^2\})$	1944
18	$\mathcal{O}(1; \{2^{12}, 3^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^8, 3^6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^4, 3^9, 18^2\})$	995328
18	$\mathcal{O}(1; \{3^{12}, 18^2\})$	7962624
18	$\mathcal{O}(1; \{2^{13}, 3, 6, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^9, 3^4, 6, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^5, 3^7, 6, 18^2\})$	497664
18	$\mathcal{O}(1; \{2, 3^{10}, 6, 18^2\})$	3981312
18	$\mathcal{O}(1; \{2^{10}, 3^2, 6^2, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^6, 3^5, 6^2, 18^2\})$	248832
18	$\mathcal{O}(1; \{2^2, 3^8, 6^2, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^{11}, 6^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^7, 3^3, 6^3, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^3, 3^6, 6^3, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3, 6^4, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 3^4, 6^4, 18^2\})$	497664
18	$\mathcal{O}(1; \{3^7, 6^4, 18^2\})$	3981312
18	$\mathcal{O}(1; \{2^5, 3^2, 6^5, 18^2\})$	248832
18	$\mathcal{O}(1; \{2, 3^5, 6^5, 18^2\})$	1990656
18	$\mathcal{O}(1; \{2^6, 6^6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^2, 3^3, 6^6, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^3, 3, 6^7, 18^2\})$	497664
18	$\mathcal{O}(1; \{3^2, 6^8, 18^2\})$	1990656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2, 6^9, 18^2\})$	995328
18	$\mathcal{O}(1; \{2^8, 3^2, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^4, 3^5, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{3^8, 9^3, 18^2\})$	67184640
18	$\mathcal{O}(1; \{2^9, 6, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{2^5, 3^3, 6, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{2, 3^6, 6, 9^3, 18^2\})$	33592320
18	$\mathcal{O}(1; \{2^6, 3, 6^2, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 9^3, 18^2\})$	8398080
18	$\mathcal{O}(1; \{2^4, 6^4, 9^3, 18^2\})$	4199040
18	$\mathcal{O}(1; \{3^3, 6^4, 9^3, 18^2\})$	33592320
18	$\mathcal{O}(1; \{2, 3, 6^5, 9^3, 18^2\})$	16796160
18	$\mathcal{O}(1; \{2^4, 3, 9^6, 18^2\})$	121877136
18	$\mathcal{O}(1; \{3^4, 9^6, 18^2\})$	975017088
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^6, 18^2\})$	487508544
18	$\mathcal{O}(1; \{2^2, 6^2, 9^6, 18^2\})$	243754272
18	$\mathcal{O}(1; \{9^9, 18^2\})$	13047939432
18	$\mathcal{O}(1; \{2^{11}, 3, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{2^7, 3^4, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2^3, 3^7, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^8, 3^2, 6, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^5, 6, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{3^8, 6, 9, 18^3\})$	26873856
18	$\mathcal{O}(1; \{2^9, 6^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{2, 3^6, 6^2, 9, 18^3\})$	13436928
18	$\mathcal{O}(1; \{2^6, 3, 6^3, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 9, 18^3\})$	3359232
18	$\mathcal{O}(1; \{2^4, 6^5, 9, 18^3\})$	1679616
18	$\mathcal{O}(1; \{3^3, 6^5, 9, 18^3\})$	13436928
18	$\mathcal{O}(1; \{2, 3, 6^6, 9, 18^3\})$	6718464
18	$\mathcal{O}(1; \{2^7, 9^4, 18^3\})$	9920232
18	$\mathcal{O}(1; \{2^3, 3^3, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{2^4, 3, 6, 9^4, 18^3\})$	39680928
18	$\mathcal{O}(1; \{3^4, 6, 9^4, 18^3\})$	317447424
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9^4, 18^3\})$	158723712
18	$\mathcal{O}(1; \{2^2, 6^3, 9^4, 18^3\})$	79361856
18	$\mathcal{O}(1; \{6, 9^7, 18^3\})$	4362067728
18	$\mathcal{O}(1; \{2^6, 3^2, 9^2, 18^4\})$	6928416
18	$\mathcal{O}(1; \{2^2, 3^5, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{2^7, 6, 9^2, 18^4\})$	3464208

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9^2, 18^4\})$	13856832
18	$\mathcal{O}(1; \{3^4, 6^2, 9^2, 18^4\})$	110854656
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9^2, 18^4\})$	55427328
18	$\mathcal{O}(1; \{2^2, 6^4, 9^2, 18^4\})$	27713664
18	$\mathcal{O}(1; \{2^2, 3, 9^5, 18^4\})$	722759760
18	$\mathcal{O}(1; \{6^2, 9^5, 18^4\})$	1445519520
18	$\mathcal{O}(1; \{2^9, 3, 18^5\})$	524880
18	$\mathcal{O}(1; \{2^5, 3^4, 18^5\})$	4199040
18	$\mathcal{O}(1; \{2, 3^7, 18^5\})$	33592320
18	$\mathcal{O}(1; \{2^6, 3^2, 6, 18^5\})$	2099520
18	$\mathcal{O}(1; \{2^2, 3^5, 6, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^7, 6^2, 18^5\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^4, 3, 6^3, 18^5\})$	4199040
18	$\mathcal{O}(1; \{3^4, 6^3, 18^5\})$	33592320
18	$\mathcal{O}(1; \{2, 3^2, 6^4, 18^5\})$	16796160
18	$\mathcal{O}(1; \{2^2, 6^5, 18^5\})$	8398080
18	$\mathcal{O}(1; \{2^5, 9^3, 18^5\})$	60938568
18	$\mathcal{O}(1; \{2, 3^3, 9^3, 18^5\})$	487508544
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^3, 18^5\})$	243754272
18	$\mathcal{O}(1; \{6^3, 9^3, 18^5\})$	487508544
18	$\mathcal{O}(1; \{2^4, 3^2, 9, 18^6\})$	39680928
18	$\mathcal{O}(1; \{3^5, 9, 18^6\})$	317447424
18	$\mathcal{O}(1; \{2^5, 6, 9, 18^6\})$	19840464
18	$\mathcal{O}(1; \{2, 3^3, 6, 9, 18^6\})$	158723712
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9, 18^6\})$	79361856
18	$\mathcal{O}(1; \{6^4, 9, 18^6\})$	158723712
18	$\mathcal{O}(1; \{3, 9^4, 18^6\})$	4362067728
18	$\mathcal{O}(1; \{2^3, 9^2, 18^7\})$	361379880
18	$\mathcal{O}(1; \{3, 6, 9^2, 18^7\})$	1445519520
18	$\mathcal{O}(1; \{2^2, 3^2, 18^8\})$	243754272
18	$\mathcal{O}(1; \{2^3, 6, 18^8\})$	121877136
18	$\mathcal{O}(1; \{3, 6^2, 18^8\})$	487508544
18	$\mathcal{O}(1; \{2, 9, 18^9\})$	2181033864
18	$\mathcal{O}(0; \{2^{14}, 3^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^{10}, 3^5, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^6, 3^8, 9^4\})$	41472
18	$\mathcal{O}(0; \{2^2, 3^{11}, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^{15}, 6, 9^4\})$	324
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^7, 3^6, 6, 9^4\})$	20736
18	$\mathcal{O}(0; \{2^3, 3^9, 6, 9^4\})$	165888

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{12}, 3, 6^2, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^4, 6^2, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^7, 6^2, 9^4\})$	82944
18	$\mathcal{O}(0; \{3^{10}, 6^2, 9^4\})$	663552
18	$\mathcal{O}(0; \{2^9, 3^2, 6^3, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^5, 6^3, 9^4\})$	41472
18	$\mathcal{O}(0; \{2, 3^8, 6^3, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 6^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^3, 6^4, 9^4\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^6, 6^4, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^7, 3, 6^5, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^4, 6^5, 9^4\})$	82944
18	$\mathcal{O}(0; \{2^4, 3^2, 6^6, 9^4\})$	41472
18	$\mathcal{O}(0; \{3^5, 6^6, 9^4\})$	331776
18	$\mathcal{O}(0; \{2^5, 6^7, 9^4\})$	20736
18	$\mathcal{O}(0; \{2, 3^3, 6^7, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^2, 3, 6^8, 9^4\})$	82944
18	$\mathcal{O}(0; \{6^{10}, 9^4\})$	165888
18	$\mathcal{O}(0; \{2^{10}, 3, 9^7\})$	61236
18	$\mathcal{O}(0; \{2^6, 3^4, 9^7\})$	489888
18	$\mathcal{O}(0; \{2^2, 3^7, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^7\})$	244944
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^8, 6^2, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^7\})$	979776
18	$\mathcal{O}(0; \{3^6, 6^2, 9^7\})$	7838208
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^7\})$	489888
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^7\})$	1959552
18	$\mathcal{O}(0; \{2^3, 6^5, 9^7\})$	979776
18	$\mathcal{O}(0; \{3, 6^6, 9^7\})$	3919104
18	$\mathcal{O}(0; \{2^6, 9^{10}\})$	6731586
18	$\mathcal{O}(0; \{2^2, 3^3, 9^{10}\})$	53852688
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^{10}\})$	26926344
18	$\mathcal{O}(0; \{3^2, 6^2, 9^{10}\})$	107705376
18	$\mathcal{O}(0; \{2, 6^3, 9^{10}\})$	53852688
18	$\mathcal{O}(0; \{2^{17}, 3, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^{13}, 3^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^9, 3^7, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^5, 3^{10}, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2, 3^{13}, 9^2, 18\})$	147456
18	$\mathcal{O}(0; \{2^{14}, 3^2, 6, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^{10}, 3^5, 6, 9^2, 18\})$	1152

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^8, 6, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2^2, 3^{11}, 6, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^{15}, 6^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6^2, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^7, 3^6, 6^2, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^3, 3^9, 6^2, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{12}, 3, 6^3, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^8, 3^4, 6^3, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^4, 3^7, 6^3, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{3^{10}, 6^3, 9^2, 18\})$	147456
18	$\mathcal{O}(0; \{2^9, 3^2, 6^4, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^5, 3^5, 6^4, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{2, 3^8, 6^4, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^{10}, 6^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^6, 3^3, 6^5, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^2, 3^6, 6^5, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^7, 3, 6^6, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^3, 3^4, 6^6, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{2^4, 3^2, 6^7, 9^2, 18\})$	9216
18	$\mathcal{O}(0; \{3^5, 6^7, 9^2, 18\})$	73728
18	$\mathcal{O}(0; \{2^5, 6^8, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2, 3^3, 6^8, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^2, 3, 6^9, 9^2, 18\})$	18432
18	$\mathcal{O}(0; \{6^{11}, 9^2, 18\})$	36864
18	$\mathcal{O}(0; \{2^{13}, 9^5, 18\})$	5346
18	$\mathcal{O}(0; \{2^9, 3^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^5, 3^6, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{2, 3^9, 9^5, 18\})$	2737152
18	$\mathcal{O}(0; \{2^{10}, 3, 6, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^6, 3^4, 6, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{2^2, 3^7, 6, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^8, 6^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{3^6, 6^3, 9^5, 18\})$	2737152
18	$\mathcal{O}(0; \{2^5, 3, 6^4, 9^5, 18\})$	171072
18	$\mathcal{O}(0; \{2, 3^4, 6^4, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 9^5, 18\})$	684288
18	$\mathcal{O}(0; \{2^3, 6^6, 9^5, 18\})$	342144
18	$\mathcal{O}(0; \{3, 6^7, 9^5, 18\})$	1368576
18	$\mathcal{O}(0; \{2^5, 3^2, 9^8, 18\})$	4461480
18	$\mathcal{O}(0; \{2, 3^5, 9^8, 18\})$	35691840

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 6, 9^8, 18\})$	2230740
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^8, 18\})$	8922960
18	$\mathcal{O}(0; \{3^2, 6^3, 9^8, 18\})$	35691840
18	$\mathcal{O}(0; \{2, 6^4, 9^8, 18\})$	17845920
18	$\mathcal{O}(0; \{2, 3, 9^{11}, 18\})$	483965604
18	$\mathcal{O}(0; \{2^{20}, 18^2\})$	6
18	$\mathcal{O}(0; \{2^{16}, 3^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^{12}, 3^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^8, 3^9, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^4, 3^{12}, 18^2\})$	24576
18	$\mathcal{O}(0; \{3^{15}, 18^2\})$	196608
18	$\mathcal{O}(0; \{2^{17}, 3, 6, 18^2\})$	24
18	$\mathcal{O}(0; \{2^{13}, 3^4, 6, 18^2\})$	192
18	$\mathcal{O}(0; \{2^9, 3^7, 6, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^5, 3^{10}, 6, 18^2\})$	12288
18	$\mathcal{O}(0; \{2, 3^{13}, 6, 18^2\})$	98304
18	$\mathcal{O}(0; \{2^{14}, 3^2, 6^2, 18^2\})$	96
18	$\mathcal{O}(0; \{2^{10}, 3^5, 6^2, 18^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3^8, 6^2, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^2, 3^{11}, 6^2, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{15}, 6^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^{11}, 3^3, 6^3, 18^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3^6, 6^3, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^3, 3^9, 6^3, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^{12}, 3, 6^4, 18^2\})$	192
18	$\mathcal{O}(0; \{2^8, 3^4, 6^4, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^4, 3^7, 6^4, 18^2\})$	12288
18	$\mathcal{O}(0; \{3^{10}, 6^4, 18^2\})$	98304
18	$\mathcal{O}(0; \{2^9, 3^2, 6^5, 18^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^5, 6^5, 18^2\})$	6144
18	$\mathcal{O}(0; \{2, 3^8, 6^5, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^{10}, 6^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^6, 3^3, 6^6, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^2, 3^6, 6^6, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^7, 3, 6^7, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^3, 3^4, 6^7, 18^2\})$	12288
18	$\mathcal{O}(0; \{2^4, 3^2, 6^8, 18^2\})$	6144
18	$\mathcal{O}(0; \{3^5, 6^8, 18^2\})$	49152
18	$\mathcal{O}(0; \{2^5, 6^9, 18^2\})$	3072
18	$\mathcal{O}(0; \{2, 3^3, 6^9, 18^2\})$	24576
18	$\mathcal{O}(0; \{2^2, 3, 6^{10}, 18^2\})$	12288
18	$\mathcal{O}(0; \{6^{12}, 18^2\})$	24576

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^{12}, 3^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2^8, 3^5, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^4, 3^8, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{3^{11}, 9^3, 18^2\})$	1658880
18	$\mathcal{O}(0; \{2^{13}, 6, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2^9, 3^3, 6, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^5, 3^6, 6, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{2, 3^9, 6, 9^3, 18^2\})$	829440
18	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^8, 6^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{3^6, 6^4, 9^3, 18^2\})$	829440
18	$\mathcal{O}(0; \{2^5, 3, 6^5, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2, 3^4, 6^5, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 9^3, 18^2\})$	207360
18	$\mathcal{O}(0; \{2^3, 6^7, 9^3, 18^2\})$	103680
18	$\mathcal{O}(0; \{3, 6^8, 9^3, 18^2\})$	414720
18	$\mathcal{O}(0; \{2^8, 3, 9^6, 18^2\})$	376164
18	$\mathcal{O}(0; \{2^4, 3^4, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{3^7, 9^6, 18^2\})$	24074496
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^6, 18^2\})$	1504656
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^6, 18^2\})$	12037248
18	$\mathcal{O}(0; \{2^6, 6^2, 9^6, 18^2\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^6, 18^2\})$	3009312
18	$\mathcal{O}(0; \{3^2, 6^4, 9^6, 18^2\})$	12037248
18	$\mathcal{O}(0; \{2, 6^5, 9^6, 18^2\})$	6018624
18	$\mathcal{O}(0; \{2^4, 9^9, 18^2\})$	40271418
18	$\mathcal{O}(0; \{3^3, 9^9, 18^2\})$	322171344
18	$\mathcal{O}(0; \{2, 3, 6, 9^9, 18^2\})$	161085672
18	$\mathcal{O}(0; \{2^{15}, 3, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^{11}, 3^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^7, 3^7, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2^3, 3^{10}, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^8, 3^5, 6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^4, 3^8, 6, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{3^{11}, 6, 9, 18^3\})$	663552
18	$\mathcal{O}(0; \{2^{13}, 6^2, 9, 18^3\})$	648

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{2, 3^9, 6^2, 9, 18^3\})$	331776
18	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^8, 6^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{3^6, 6^5, 9, 18^3\})$	331776
18	$\mathcal{O}(0; \{2^5, 3, 6^6, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2, 3^4, 6^6, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 9, 18^3\})$	82944
18	$\mathcal{O}(0; \{2^3, 6^8, 9, 18^3\})$	41472
18	$\mathcal{O}(0; \{3, 6^9, 9, 18^3\})$	165888
18	$\mathcal{O}(0; \{2^{11}, 9^4, 18^3\})$	30618
18	$\mathcal{O}(0; \{2^7, 3^3, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{2^3, 3^6, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^8, 3, 6, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{3^7, 6, 9^4, 18^3\})$	7838208
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9^4, 18^3\})$	489888
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9^4, 18^3\})$	3919104
18	$\mathcal{O}(0; \{2^6, 6^3, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9^4, 18^3\})$	979776
18	$\mathcal{O}(0; \{3^2, 6^5, 9^4, 18^3\})$	3919104
18	$\mathcal{O}(0; \{2, 6^6, 9^4, 18^3\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 9^7, 18^3\})$	26926344
18	$\mathcal{O}(0; \{2^4, 6, 9^7, 18^3\})$	13463172
18	$\mathcal{O}(0; \{3^3, 6, 9^7, 18^3\})$	107705376
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^7, 18^3\})$	53852688
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^6, 3^5, 9^2, 18^4\})$	171072
18	$\mathcal{O}(0; \{2^2, 3^8, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2^{11}, 6, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{3^7, 6^2, 9^2, 18^4\})$	2737152
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9^2, 18^4\})$	171072

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2^6, 6^4, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9^2, 18^4\})$	342144
18	$\mathcal{O}(0; \{3^2, 6^6, 9^2, 18^4\})$	1368576
18	$\mathcal{O}(0; \{2, 6^7, 9^2, 18^4\})$	684288
18	$\mathcal{O}(0; \{2^6, 3, 9^5, 18^4\})$	2230740
18	$\mathcal{O}(0; \{2^2, 3^4, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^5, 18^4\})$	8922960
18	$\mathcal{O}(0; \{2^4, 6^2, 9^5, 18^4\})$	4461480
18	$\mathcal{O}(0; \{3^3, 6^2, 9^5, 18^4\})$	35691840
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^5, 18^4\})$	17845920
18	$\mathcal{O}(0; \{2^2, 9^8, 18^4\})$	241982802
18	$\mathcal{O}(0; \{2^{13}, 3, 18^5\})$	1620
18	$\mathcal{O}(0; \{2^9, 3^4, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^5, 3^7, 18^5\})$	103680
18	$\mathcal{O}(0; \{2, 3^{10}, 18^5\})$	829440
18	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^6, 3^5, 6, 18^5\})$	51840
18	$\mathcal{O}(0; \{2^2, 3^8, 6, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^{11}, 6^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^8, 3, 6^3, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 18^5\})$	103680
18	$\mathcal{O}(0; \{3^7, 6^3, 18^5\})$	829440
18	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 18^5\})$	51840
18	$\mathcal{O}(0; \{2, 3^5, 6^4, 18^5\})$	414720
18	$\mathcal{O}(0; \{2^6, 6^5, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^3, 3, 6^6, 18^5\})$	103680
18	$\mathcal{O}(0; \{3^2, 6^7, 18^5\})$	414720
18	$\mathcal{O}(0; \{2, 6^8, 18^5\})$	207360
18	$\mathcal{O}(0; \{2^9, 9^3, 18^5\})$	188082
18	$\mathcal{O}(0; \{2^5, 3^3, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{2, 3^6, 9^3, 18^5\})$	12037248
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^3, 18^5\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^3, 18^5\})$	3009312
18	$\mathcal{O}(0; \{2^4, 6^3, 9^3, 18^5\})$	1504656
18	$\mathcal{O}(0; \{3^3, 6^3, 9^3, 18^5\})$	12037248
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^3, 18^5\})$	6018624
18	$\mathcal{O}(0; \{2, 3^2, 9^6, 18^5\})$	161085672

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 6, 9^6, 18^5\})$	80542836
18	$\mathcal{O}(0; \{2^8, 3^2, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2^4, 3^5, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{3^8, 9, 18^6\})$	7838208
18	$\mathcal{O}(0; \{2^9, 6, 9, 18^6\})$	61236
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{2, 3^6, 6, 9, 18^6\})$	3919104
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9, 18^6\})$	979776
18	$\mathcal{O}(0; \{2^4, 6^4, 9, 18^6\})$	489888
18	$\mathcal{O}(0; \{3^3, 6^4, 9, 18^6\})$	3919104
18	$\mathcal{O}(0; \{2, 3, 6^5, 9, 18^6\})$	1959552
18	$\mathcal{O}(0; \{2^4, 3, 9^4, 18^6\})$	13463172
18	$\mathcal{O}(0; \{3^4, 9^4, 18^6\})$	107705376
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^4, 18^6\})$	53852688
18	$\mathcal{O}(0; \{2^2, 6^2, 9^4, 18^6\})$	26926344
18	$\mathcal{O}(0; \{9^7, 18^6\})$	1450833930
18	$\mathcal{O}(0; \{2^7, 9^2, 18^7\})$	1115370
18	$\mathcal{O}(0; \{2^3, 3^3, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^2, 18^7\})$	4461480
18	$\mathcal{O}(0; \{3^4, 6, 9^2, 18^7\})$	35691840
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^2, 18^7\})$	17845920
18	$\mathcal{O}(0; \{2^2, 6^3, 9^2, 18^7\})$	8922960
18	$\mathcal{O}(0; \{6, 9^5, 18^7\})$	483965604
18	$\mathcal{O}(0; \{2^6, 3^2, 18^8\})$	752328
18	$\mathcal{O}(0; \{2^2, 3^5, 18^8\})$	6018624
18	$\mathcal{O}(0; \{2^7, 6, 18^8\})$	376164
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 18^8\})$	1504656
18	$\mathcal{O}(0; \{3^4, 6^2, 18^8\})$	12037248
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 18^8\})$	6018624
18	$\mathcal{O}(0; \{2^2, 6^4, 18^8\})$	3009312
18	$\mathcal{O}(0; \{2^2, 3, 9^3, 18^8\})$	80542836
18	$\mathcal{O}(0; \{6^2, 9^3, 18^8\})$	161085672
18	$\mathcal{O}(0; \{2^5, 9, 18^9\})$	6731586
18	$\mathcal{O}(0; \{2, 3^3, 9, 18^9\})$	53852688
18	$\mathcal{O}(0; \{2^2, 3, 6, 9, 18^9\})$	26926344
18	$\mathcal{O}(0; \{6^3, 9, 18^9\})$	53852688
18	$\mathcal{O}(0; \{3, 9^2, 18^{10}\})$	483965604
18	$\mathcal{O}(0; \{2^3, 18^{11}\})$	40271418
18	$\mathcal{O}(0; \{3, 6, 18^{11}\})$	161085672
19	$\mathcal{O}(0; \{19^{12}\})$	60885862180326

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(4; \{2^2, 20^2\})$	204800000000
20	$\mathcal{O}(3; \{2^2, 4^2, 5^3\})$	1536000000
20	$\mathcal{O}(3; \{4^2, 5^2, 10^2\})$	6656000000
20	$\mathcal{O}(3; \{4, 5^4, 20\})$	26112000000
20	$\mathcal{O}(3; \{2^3, 4, 5, 10, 20\})$	1536000000
20	$\mathcal{O}(3; \{4^3, 5, 10, 20\})$	6144000000
20	$\mathcal{O}(3; \{2, 4, 10^3, 20\})$	6656000000
20	$\mathcal{O}(3; \{2^6, 20^2\})$	512000000
20	$\mathcal{O}(3; \{2^3, 4^2, 20^2\})$	2048000000
20	$\mathcal{O}(3; \{4^4, 20^2\})$	8192000000
20	$\mathcal{O}(3; \{2, 5^2, 10, 20^2\})$	26112000000
20	$\mathcal{O}(3; \{2, 4, 5, 20^3\})$	26624000000
20	$\mathcal{O}(2; \{2^6, 4^2, 5^3\})$	3840000
20	$\mathcal{O}(2; \{2^3, 4^4, 5^3\})$	15360000
20	$\mathcal{O}(2; \{4^6, 5^3\})$	61440000
20	$\mathcal{O}(2; \{2, 4^2, 5^5, 10\})$	262400000
20	$\mathcal{O}(2; \{2^4, 4^2, 5^2, 10^2\})$	16640000
20	$\mathcal{O}(2; \{2, 4^4, 5^2, 10^2\})$	66560000
20	$\mathcal{O}(2; \{2^2, 4^2, 5, 10^4\})$	65280000
20	$\mathcal{O}(2; \{4^2, 10^6\})$	262400000
20	$\mathcal{O}(2; \{2^4, 4, 5^4, 20\})$	65280000
20	$\mathcal{O}(2; \{2, 4^3, 5^4, 20\})$	261120000
20	$\mathcal{O}(2; \{2^7, 4, 5, 10, 20\})$	3840000
20	$\mathcal{O}(2; \{2^4, 4^3, 5, 10, 20\})$	15360000
20	$\mathcal{O}(2; \{2, 4^5, 5, 10, 20\})$	61440000
20	$\mathcal{O}(2; \{2^2, 4, 5^3, 10^2, 20\})$	262400000
20	$\mathcal{O}(2; \{2^5, 4, 10^3, 20\})$	16640000
20	$\mathcal{O}(2; \{2^2, 4^3, 10^3, 20\})$	66560000
20	$\mathcal{O}(2; \{4, 5^2, 10^4, 20\})$	1048320000
20	$\mathcal{O}(2; \{2^{10}, 20^2\})$	1280000
20	$\mathcal{O}(2; \{2^7, 4^2, 20^2\})$	5120000
20	$\mathcal{O}(2; \{2^4, 4^4, 20^2\})$	20480000
20	$\mathcal{O}(2; \{2, 4^6, 20^2\})$	81920000
20	$\mathcal{O}(2; \{2^2, 5^5, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^5, 5^2, 10, 20^2\})$	65280000
20	$\mathcal{O}(2; \{2^2, 4^2, 5^2, 10, 20^2\})$	261120000
20	$\mathcal{O}(2; \{5^4, 10^2, 20^2\})$	4194560000
20	$\mathcal{O}(2; \{2^3, 5, 10^3, 20^2\})$	262400000
20	$\mathcal{O}(2; \{4^2, 5, 10^3, 20^2\})$	1049600000
20	$\mathcal{O}(2; \{2, 10^5, 20^2\})$	1048320000
20	$\mathcal{O}(2; \{2^5, 4, 5, 20^3\})$	66560000
20	$\mathcal{O}(2; \{2^2, 4^3, 5, 20^3\})$	266240000
20	$\mathcal{O}(2; \{4, 5^3, 10, 20^3\})$	4193280000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2^3, 4, 10^2, 20^3\})$	261120000
20	$\mathcal{O}(2; \{4^3, 10^2, 20^3\})$	1044480000
20	$\mathcal{O}(2; \{2^3, 5^2, 20^4\})$	1049600000
20	$\mathcal{O}(2; \{4^2, 5^2, 20^4\})$	4198400000
20	$\mathcal{O}(2; \{2, 5, 10^2, 20^4\})$	4193280000
20	$\mathcal{O}(2; \{2, 4, 10, 20^5\})$	4198400000
20	$\mathcal{O}(1; \{2^{10}, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{2^7, 4^4, 5^3\})$	38400
20	$\mathcal{O}(1; \{2^4, 4^6, 5^3\})$	153600
20	$\mathcal{O}(1; \{2, 4^8, 5^3\})$	614400
20	$\mathcal{O}(1; \{2^2, 4^2, 5^8\})$	10486400
20	$\mathcal{O}(1; \{2^5, 4^2, 5^5, 10\})$	656000
20	$\mathcal{O}(1; \{2^2, 4^4, 5^5, 10\})$	2624000
20	$\mathcal{O}(1; \{2^8, 4^2, 5^2, 10^2\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^4, 5^2, 10^2\})$	166400
20	$\mathcal{O}(1; \{2^2, 4^6, 5^2, 10^2\})$	665600
20	$\mathcal{O}(1; \{4^2, 5^7, 10^2\})$	41942400
20	$\mathcal{O}(1; \{2^3, 4^2, 5^4, 10^3\})$	2620800
20	$\mathcal{O}(1; \{4^4, 5^4, 10^3\})$	10483200
20	$\mathcal{O}(1; \{2^6, 4^2, 5, 10^4\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^4, 5, 10^4\})$	652800
20	$\mathcal{O}(1; \{4^6, 5, 10^4\})$	2611200
20	$\mathcal{O}(1; \{2, 4^2, 5^3, 10^5\})$	10486400
20	$\mathcal{O}(1; \{2^4, 4^2, 10^6\})$	656000
20	$\mathcal{O}(1; \{2, 4^4, 10^6\})$	2624000
20	$\mathcal{O}(1; \{2^8, 4, 5^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^5, 4^3, 5^4, 20\})$	652800
20	$\mathcal{O}(1; \{2^2, 4^5, 5^4, 20\})$	2611200
20	$\mathcal{O}(1; \{4, 5^9, 20\})$	167772800
20	$\mathcal{O}(1; \{2^{11}, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{2^8, 4^3, 5, 10, 20\})$	38400
20	$\mathcal{O}(1; \{2^5, 4^5, 5, 10, 20\})$	153600
20	$\mathcal{O}(1; \{2^2, 4^7, 5, 10, 20\})$	614400
20	$\mathcal{O}(1; \{2^3, 4, 5^6, 10, 20\})$	10486400
20	$\mathcal{O}(1; \{4^3, 5^6, 10, 20\})$	41945600
20	$\mathcal{O}(1; \{2^6, 4, 5^3, 10^2, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4^3, 5^3, 10^2, 20\})$	2624000
20	$\mathcal{O}(1; \{4^5, 5^3, 10^2, 20\})$	10496000
20	$\mathcal{O}(1; \{2^9, 4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^6, 4^3, 10^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^3, 4^5, 10^3, 20\})$	665600
20	$\mathcal{O}(1; \{4^7, 10^3, 20\})$	2662400
20	$\mathcal{O}(1; \{2, 4, 5^5, 10^3, 20\})$	41942400

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^4, 4, 5^2, 10^4, 20\})$	2620800
20	$\mathcal{O}(1; \{2, 4^3, 5^2, 10^4, 20\})$	10483200
20	$\mathcal{O}(1; \{2^2, 4, 5, 10^6, 20\})$	10486400
20	$\mathcal{O}(1; \{4, 10^8, 20\})$	41942400
20	$\mathcal{O}(1; \{2^{14}, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^{11}, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{2^8, 4^4, 20^2\})$	51200
20	$\mathcal{O}(1; \{2^5, 4^6, 20^2\})$	204800
20	$\mathcal{O}(1; \{2^2, 4^8, 20^2\})$	819200
20	$\mathcal{O}(1; \{2^6, 5^5, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^3, 4^2, 5^5, 20^2\})$	10483200
20	$\mathcal{O}(1; \{4^4, 5^5, 20^2\})$	41932800
20	$\mathcal{O}(1; \{2^9, 5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^6, 4^2, 5^2, 10, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^3, 4^4, 5^2, 10, 20^2\})$	2611200
20	$\mathcal{O}(1; \{4^6, 5^2, 10, 20^2\})$	10444800
20	$\mathcal{O}(1; \{2, 5^7, 10, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^4, 5^4, 10^2, 20^2\})$	10486400
20	$\mathcal{O}(1; \{2, 4^2, 5^4, 10^2, 20^2\})$	41945600
20	$\mathcal{O}(1; \{2^7, 5, 10^3, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 4^2, 5, 10^3, 20^2\})$	2624000
20	$\mathcal{O}(1; \{2, 4^4, 5, 10^3, 20^2\})$	10496000
20	$\mathcal{O}(1; \{2^2, 5^3, 10^4, 20^2\})$	41942400
20	$\mathcal{O}(1; \{2^5, 10^5, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^2, 4^2, 10^5, 20^2\})$	10483200
20	$\mathcal{O}(1; \{5^2, 10^6, 20^2\})$	167772800
20	$\mathcal{O}(1; \{2^9, 4, 5, 20^3\})$	166400
20	$\mathcal{O}(1; \{2^6, 4^3, 5, 20^3\})$	665600
20	$\mathcal{O}(1; \{2^3, 4^5, 5, 20^3\})$	2662400
20	$\mathcal{O}(1; \{4^7, 5, 20^3\})$	10649600
20	$\mathcal{O}(1; \{2, 4, 5^6, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^4, 4, 5^3, 10, 20^3\})$	10483200
20	$\mathcal{O}(1; \{2, 4^3, 5^3, 10, 20^3\})$	41932800
20	$\mathcal{O}(1; \{2^7, 4, 10^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^4, 4^3, 10^2, 20^3\})$	2611200
20	$\mathcal{O}(1; \{2, 4^5, 10^2, 20^3\})$	10444800
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 10^3, 20^3\})$	41945600
20	$\mathcal{O}(1; \{4, 5, 10^5, 20^3\})$	167769600
20	$\mathcal{O}(1; \{2^7, 5^2, 20^4\})$	2624000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^2, 20^4\})$	10496000
20	$\mathcal{O}(1; \{2, 4^4, 5^2, 20^4\})$	41984000
20	$\mathcal{O}(1; \{2^2, 5^4, 10, 20^4\})$	167769600
20	$\mathcal{O}(1; \{2^5, 5, 10^2, 20^4\})$	10483200

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10^2, 20^4\})$	41932800
20	$\mathcal{O}(1; \{5^3, 10^3, 20^4\})$	671091200
20	$\mathcal{O}(1; \{2^3, 10^4, 20^4\})$	41945600
20	$\mathcal{O}(1; \{4^2, 10^4, 20^4\})$	167782400
20	$\mathcal{O}(1; \{2^2, 4, 5^3, 20^5\})$	167782400
20	$\mathcal{O}(1; \{2^5, 4, 10, 20^5\})$	10496000
20	$\mathcal{O}(1; \{2^2, 4^3, 10, 20^5\})$	41984000
20	$\mathcal{O}(1; \{4, 5^2, 10^2, 20^5\})$	671078400
20	$\mathcal{O}(1; \{5^4, 20^6\})$	2684364800
20	$\mathcal{O}(1; \{2^3, 5, 10, 20^6\})$	167782400
20	$\mathcal{O}(1; \{4^2, 5, 10, 20^6\})$	671129600
20	$\mathcal{O}(1; \{2, 10^3, 20^6\})$	671078400
20	$\mathcal{O}(1; \{2^3, 4, 20^7\})$	167731200
20	$\mathcal{O}(1; \{4^3, 20^7\})$	670924800
20	$\mathcal{O}(1; \{2, 5, 20^8\})$	2684313600
20	$\mathcal{O}(0; \{2^{14}, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^{11}, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{2^8, 4^6, 5^3\})$	384
20	$\mathcal{O}(0; \{2^5, 4^8, 5^3\})$	1536
20	$\mathcal{O}(0; \{2^2, 4^{10}, 5^3\})$	6144
20	$\mathcal{O}(0; \{2^6, 4^2, 5^8\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^4, 5^8\})$	104864
20	$\mathcal{O}(0; \{4^6, 5^8\})$	419456
20	$\mathcal{O}(0; \{2^9, 4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{2^6, 4^4, 5^5, 10\})$	6560
20	$\mathcal{O}(0; \{2^3, 4^6, 5^5, 10\})$	26240
20	$\mathcal{O}(0; \{4^8, 5^5, 10\})$	104960
20	$\mathcal{O}(0; \{2, 4^2, 5^{10}, 10\})$	1677720
20	$\mathcal{O}(0; \{2^{12}, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{2^9, 4^4, 5^2, 10^2\})$	416
20	$\mathcal{O}(0; \{2^6, 4^6, 5^2, 10^2\})$	1664
20	$\mathcal{O}(0; \{2^3, 4^8, 5^2, 10^2\})$	6656
20	$\mathcal{O}(0; \{4^{10}, 5^2, 10^2\})$	26624
20	$\mathcal{O}(0; \{2^4, 4^2, 5^7, 10^2\})$	104856
20	$\mathcal{O}(0; \{2, 4^4, 5^7, 10^2\})$	419424
20	$\mathcal{O}(0; \{2^7, 4^2, 5^4, 10^3\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^4, 5^4, 10^3\})$	26208
20	$\mathcal{O}(0; \{2, 4^6, 5^4, 10^3\})$	104832
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5, 10^4\})$	408
20	$\mathcal{O}(0; \{2^7, 4^4, 5, 10^4\})$	1632
20	$\mathcal{O}(0; \{2^4, 4^6, 5, 10^4\})$	6528
20	$\mathcal{O}(0; \{2, 4^8, 5, 10^4\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^2, 5^6, 10^4\})$	419432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3, 10^5\})$	26216
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3, 10^5\})$	104864
20	$\mathcal{O}(0; \{2^8, 4^2, 10^6\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^4, 10^6\})$	6560
20	$\mathcal{O}(0; \{2^2, 4^6, 10^6\})$	26240
20	$\mathcal{O}(0; \{4^2, 5^5, 10^6\})$	1677720
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^7\})$	104856
20	$\mathcal{O}(0; \{4^4, 5^2, 10^7\})$	419424
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^9\})$	419432
20	$\mathcal{O}(0; \{2^{12}, 4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{2^9, 4^3, 5^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^5, 5^4, 20\})$	6528
20	$\mathcal{O}(0; \{2^3, 4^7, 5^4, 20\})$	26112
20	$\mathcal{O}(0; \{4^9, 5^4, 20\})$	104448
20	$\mathcal{O}(0; \{2^4, 4, 5^9, 20\})$	419432
20	$\mathcal{O}(0; \{2, 4^3, 5^9, 20\})$	1677728
20	$\mathcal{O}(0; \{2^{15}, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{2^{12}, 4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{2^9, 4^5, 5, 10, 20\})$	384
20	$\mathcal{O}(0; \{2^6, 4^7, 5, 10, 20\})$	1536
20	$\mathcal{O}(0; \{2^3, 4^9, 5, 10, 20\})$	6144
20	$\mathcal{O}(0; \{4^{11}, 5, 10, 20\})$	24576
20	$\mathcal{O}(0; \{2^7, 4, 5^6, 10, 20\})$	26216
20	$\mathcal{O}(0; \{2^4, 4^3, 5^6, 10, 20\})$	104864
20	$\mathcal{O}(0; \{2, 4^5, 5^6, 10, 20\})$	419456
20	$\mathcal{O}(0; \{2^{10}, 4, 5^3, 10^2, 20\})$	1640
20	$\mathcal{O}(0; \{2^7, 4^3, 5^3, 10^2, 20\})$	6560
20	$\mathcal{O}(0; \{2^4, 4^5, 5^3, 10^2, 20\})$	26240
20	$\mathcal{O}(0; \{2, 4^7, 5^3, 10^2, 20\})$	104960
20	$\mathcal{O}(0; \{2^2, 4, 5^8, 10^2, 20\})$	1677720
20	$\mathcal{O}(0; \{2^{13}, 4, 10^3, 20\})$	104
20	$\mathcal{O}(0; \{2^{10}, 4^3, 10^3, 20\})$	416
20	$\mathcal{O}(0; \{2^7, 4^5, 10^3, 20\})$	1664
20	$\mathcal{O}(0; \{2^4, 4^7, 10^3, 20\})$	6656
20	$\mathcal{O}(0; \{2, 4^9, 10^3, 20\})$	26624
20	$\mathcal{O}(0; \{2^5, 4, 5^5, 10^3, 20\})$	104856
20	$\mathcal{O}(0; \{2^2, 4^3, 5^5, 10^3, 20\})$	419424
20	$\mathcal{O}(0; \{2^8, 4, 5^2, 10^4, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4^3, 5^2, 10^4, 20\})$	26208
20	$\mathcal{O}(0; \{2^2, 4^5, 5^2, 10^4, 20\})$	104832
20	$\mathcal{O}(0; \{4, 5^7, 10^4, 20\})$	6710888
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 10^5, 20\})$	419432
20	$\mathcal{O}(0; \{4^3, 5^4, 10^5, 20\})$	1677728

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^6, 4, 5, 10^6, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10^6, 20\})$	104864
20	$\mathcal{O}(0; \{4^5, 5, 10^6, 20\})$	419456
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^7, 20\})$	1677720
20	$\mathcal{O}(0; \{2^4, 4, 10^8, 20\})$	104856
20	$\mathcal{O}(0; \{2, 4^3, 10^8, 20\})$	419424
20	$\mathcal{O}(0; \{2^{18}, 20^2\})$	8
20	$\mathcal{O}(0; \{2^{15}, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{2^{12}, 4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{2^9, 4^6, 20^2\})$	512
20	$\mathcal{O}(0; \{2^6, 4^8, 20^2\})$	2048
20	$\mathcal{O}(0; \{2^3, 4^{10}, 20^2\})$	8192
20	$\mathcal{O}(0; \{4^{12}, 20^2\})$	32768
20	$\mathcal{O}(0; \{2^{10}, 5^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^7, 4^2, 5^5, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^4, 4^4, 5^5, 20^2\})$	104832
20	$\mathcal{O}(0; \{2, 4^6, 5^5, 20^2\})$	419328
20	$\mathcal{O}(0; \{2^2, 5^{10}, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{13}, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2^{10}, 4^2, 5^2, 10, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^4, 5^2, 10, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^4, 4^6, 5^2, 10, 20^2\})$	26112
20	$\mathcal{O}(0; \{2, 4^8, 5^2, 10, 20^2\})$	104448
20	$\mathcal{O}(0; \{2^5, 5^7, 10, 20^2\})$	419432
20	$\mathcal{O}(0; \{2^2, 4^2, 5^7, 10, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^8, 5^4, 10^2, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^5, 4^2, 5^4, 10^2, 20^2\})$	104864
20	$\mathcal{O}(0; \{2^2, 4^4, 5^4, 10^2, 20^2\})$	419456
20	$\mathcal{O}(0; \{5^9, 10^2, 20^2\})$	26843544
20	$\mathcal{O}(0; \{2^{11}, 5, 10^3, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^8, 4^2, 5, 10^3, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^5, 4^4, 5, 10^3, 20^2\})$	26240
20	$\mathcal{O}(0; \{2^2, 4^6, 5, 10^3, 20^2\})$	104960
20	$\mathcal{O}(0; \{2^3, 5^6, 10^3, 20^2\})$	1677720
20	$\mathcal{O}(0; \{4^2, 5^6, 10^3, 20^2\})$	6710880
20	$\mathcal{O}(0; \{2^6, 5^3, 10^4, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10^4, 20^2\})$	419424
20	$\mathcal{O}(0; \{4^4, 5^3, 10^4, 20^2\})$	1677696
20	$\mathcal{O}(0; \{2^9, 10^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4^2, 10^5, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^3, 4^4, 10^5, 20^2\})$	104832
20	$\mathcal{O}(0; \{4^6, 10^5, 20^2\})$	419328
20	$\mathcal{O}(0; \{2, 5^5, 10^5, 20^2\})$	6710888

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^4, 5^2, 10^6, 20^2\})$	419432
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^6, 20^2\})$	1677728
20	$\mathcal{O}(0; \{2^2, 5, 10^8, 20^2\})$	1677720
20	$\mathcal{O}(0; \{10^{10}, 20^2\})$	6710888
20	$\mathcal{O}(0; \{2^{13}, 4, 5, 20^3\})$	416
20	$\mathcal{O}(0; \{2^{10}, 4^3, 5, 20^3\})$	1664
20	$\mathcal{O}(0; \{2^7, 4^5, 5, 20^3\})$	6656
20	$\mathcal{O}(0; \{2^4, 4^7, 5, 20^3\})$	26624
20	$\mathcal{O}(0; \{2, 4^9, 5, 20^3\})$	106496
20	$\mathcal{O}(0; \{2^5, 4, 5^6, 20^3\})$	419424
20	$\mathcal{O}(0; \{2^2, 4^3, 5^6, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^8, 4, 5^3, 10, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^5, 4^3, 5^3, 10, 20^3\})$	104832
20	$\mathcal{O}(0; \{2^2, 4^5, 5^3, 10, 20^3\})$	419328
20	$\mathcal{O}(0; \{4, 5^8, 10, 20^3\})$	26843552
20	$\mathcal{O}(0; \{2^{11}, 4, 10^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^8, 4^3, 10^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^5, 4^5, 10^2, 20^3\})$	26112
20	$\mathcal{O}(0; \{2^2, 4^7, 10^2, 20^3\})$	104448
20	$\mathcal{O}(0; \{2^3, 4, 5^5, 10^2, 20^3\})$	1677728
20	$\mathcal{O}(0; \{4^3, 5^5, 10^2, 20^3\})$	6710912
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 10^3, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 10^3, 20^3\})$	419456
20	$\mathcal{O}(0; \{4^5, 5^2, 10^3, 20^3\})$	1677824
20	$\mathcal{O}(0; \{2, 4, 5^4, 10^4, 20^3\})$	6710880
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^5, 20^3\})$	419424
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^5, 20^3\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4, 10^7, 20^3\})$	1677728
20	$\mathcal{O}(0; \{2^{11}, 5^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2^8, 4^2, 5^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^5, 4^4, 5^2, 20^4\})$	104960
20	$\mathcal{O}(0; \{2^2, 4^6, 5^2, 20^4\})$	419840
20	$\mathcal{O}(0; \{2^3, 5^7, 20^4\})$	6710880
20	$\mathcal{O}(0; \{4^2, 5^7, 20^4\})$	26843520
20	$\mathcal{O}(0; \{2^6, 5^4, 10, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^3, 4^2, 5^4, 10, 20^4\})$	1677696
20	$\mathcal{O}(0; \{4^4, 5^4, 10, 20^4\})$	6710784
20	$\mathcal{O}(0; \{2^9, 5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 10^2, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 10^2, 20^4\})$	419328
20	$\mathcal{O}(0; \{4^6, 5, 10^2, 20^4\})$	1677312
20	$\mathcal{O}(0; \{2, 5^6, 10^2, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^4, 5^3, 10^3, 20^4\})$	1677728

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10^3, 20^4\})$	6710912
20	$\mathcal{O}(0; \{2^7, 10^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 4^2, 10^4, 20^4\})$	419456
20	$\mathcal{O}(0; \{2, 4^4, 10^4, 20^4\})$	1677824
20	$\mathcal{O}(0; \{2^2, 5^2, 10^5, 20^4\})$	6710880
20	$\mathcal{O}(0; \{5, 10^7, 20^4\})$	26843552
20	$\mathcal{O}(0; \{2^6, 4, 5^3, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^3, 4^3, 5^3, 20^5\})$	1677824
20	$\mathcal{O}(0; \{4^5, 5^3, 20^5\})$	6711296
20	$\mathcal{O}(0; \{2^9, 4, 10, 20^5\})$	26240
20	$\mathcal{O}(0; \{2^6, 4^3, 10, 20^5\})$	104960
20	$\mathcal{O}(0; \{2^3, 4^5, 10, 20^5\})$	419840
20	$\mathcal{O}(0; \{4^7, 10, 20^5\})$	1679360
20	$\mathcal{O}(0; \{2, 4, 5^5, 10, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 10^2, 20^5\})$	1677696
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 10^2, 20^5\})$	6710784
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^4, 20^5\})$	6710912
20	$\mathcal{O}(0; \{4, 10^6, 20^5\})$	26843520
20	$\mathcal{O}(0; \{2^4, 5^4, 20^6\})$	6710912
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 20^6\})$	26843648
20	$\mathcal{O}(0; \{2^7, 5, 10, 20^6\})$	419456
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10, 20^6\})$	1677824
20	$\mathcal{O}(0; \{2, 4^4, 5, 10, 20^6\})$	6711296
20	$\mathcal{O}(0; \{2^2, 5^3, 10^2, 20^6\})$	26843520
20	$\mathcal{O}(0; \{2^5, 10^3, 20^6\})$	1677696
20	$\mathcal{O}(0; \{2^2, 4^2, 10^3, 20^6\})$	6710784
20	$\mathcal{O}(0; \{5^2, 10^4, 20^6\})$	107374208
20	$\mathcal{O}(0; \{2^7, 4, 20^7\})$	419328
20	$\mathcal{O}(0; \{2^4, 4^3, 20^7\})$	1677312
20	$\mathcal{O}(0; \{2, 4^5, 20^7\})$	6709248
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10, 20^7\})$	26843648
20	$\mathcal{O}(0; \{4, 5, 10^3, 20^7\})$	107374080
20	$\mathcal{O}(0; \{2^5, 5, 20^8\})$	6710784
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 20^8\})$	26843136
20	$\mathcal{O}(0; \{5^3, 10, 20^8\})$	429496832
20	$\mathcal{O}(0; \{2^3, 10^2, 20^8\})$	26843648
20	$\mathcal{O}(0; \{4^2, 10^2, 20^8\})$	107374592
20	$\mathcal{O}(0; \{4, 5^2, 20^9\})$	429496320
20	$\mathcal{O}(0; \{2, 10, 20^{10}\})$	429496320
21	$\mathcal{O}(4; \{3, 7, 21\})$	453874312332
21	$\mathcal{O}(3; \{3^4, 7, 21\})$	5145967260
21	$\mathcal{O}(3; \{7^3, 21^2\})$	190400788620
21	$\mathcal{O}(3; \{3, 21^4\})$	159524985060

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(2; \{3^2, 7^6\})$	2592820692
21	$\mathcal{O}(2; \{3^7, 7, 21\})$	100352196
21	$\mathcal{O}(2; \{3^3, 7^3, 21^2\})$	2158739100
21	$\mathcal{O}(2; \{3^4, 21^4\})$	3110918076
21	$\mathcal{O}(2; \{7^2, 21^5\})$	77772951900
21	$\mathcal{O}(1; \{3^5, 7^6\})$	29397060
21	$\mathcal{O}(1; \{3^{10}, 7, 21\})$	1804572
21	$\mathcal{O}(1; \{3, 7^8, 21\})$	1269788940
21	$\mathcal{O}(1; \{3^6, 7^3, 21^2\})$	42097860
21	$\mathcal{O}(1; \{3^2, 7^5, 21^3\})$	1058161860
21	$\mathcal{O}(1; \{3^7, 21^4\})$	55941732
21	$\mathcal{O}(1; \{3^3, 7^2, 21^5\})$	1516660740
21	$\mathcal{O}(1; \{7, 21^8\})$	54600924420
21	$\mathcal{O}(0; \{3^8, 7^6\})$	573276
21	$\mathcal{O}(0; \{3^{13}, 7, 21\})$	32772
21	$\mathcal{O}(0; \{3^4, 7^8, 21\})$	14396700
21	$\mathcal{O}(0; \{3^9, 7^3, 21^2\})$	757020
21	$\mathcal{O}(0; \{7^{10}, 21^2\})$	621937812
21	$\mathcal{O}(0; \{3^5, 7^5, 21^3\})$	20635356
21	$\mathcal{O}(0; \{3^{10}, 21^4\})$	1015932
21	$\mathcal{O}(0; \{3, 7^7, 21^4\})$	518281500
21	$\mathcal{O}(0; \{3^6, 7^2, 21^5\})$	27273180
21	$\mathcal{O}(0; \{3^2, 7^4, 21^6\})$	742870236
21	$\mathcal{O}(0; \{3^3, 7, 21^8\})$	981854940
21	$\mathcal{O}(0; \{21^{11}\})$	35346798300
22	$\mathcal{O}(2; \{2^3, 11^4, 22\})$	2129387040
22	$\mathcal{O}(2; \{2, 11^3, 22^3\})$	21296212960
22	$\mathcal{O}(1; \{2^7, 11^4, 22\})$	4399560
22	$\mathcal{O}(1; \{2^5, 11^3, 22^3\})$	44000440
22	$\mathcal{O}(1; \{2^3, 11^2, 22^5\})$	439999560
22	$\mathcal{O}(1; \{2, 11, 22^7\})$	4400000440
22	$\mathcal{O}(0; \{2^2, 11^{10}\})$	909090910
22	$\mathcal{O}(0; \{2^{11}, 11^4, 22\})$	9090
22	$\mathcal{O}(0; \{11^9, 22^2\})$	9090909090
22	$\mathcal{O}(0; \{2^9, 11^3, 22^3\})$	90910
22	$\mathcal{O}(0; \{2^7, 11^2, 22^5\})$	909090
22	$\mathcal{O}(0; \{2^5, 11, 22^7\})$	9090910
22	$\mathcal{O}(0; \{2^3, 22^9\})$	90909090
23	$\mathcal{O}(2; \{23^6\})$	1379493559642
24	$\mathcal{O}(3; \{6^2, 8^2\})$	1528823808
24	$\mathcal{O}(3; \{4, 6, 8, 24\})$	3057647616
24	$\mathcal{O}(3; \{3, 8, 12, 24\})$	3057647616
24	$\mathcal{O}(3; \{2^3, 24^2\})$	1528823808

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(3; \{4^2, 24^2\})$	6115295232
24	$\mathcal{O}(3; \{3, 6, 24^2\})$	4586471424
24	$\mathcal{O}(2; \{2^2, 3^4, 8^2\})$	7962624
24	$\mathcal{O}(2; \{2^3, 3^2, 6, 8^2\})$	2654208
24	$\mathcal{O}(2; \{3^2, 4^2, 6, 8^2\})$	10616832
24	$\mathcal{O}(2; \{2^4, 6^2, 8^2\})$	2654208
24	$\mathcal{O}(2; \{3^3, 6^2, 8^2\})$	13271040
24	$\mathcal{O}(2; \{2, 4^2, 6^2, 8^2\})$	10616832
24	$\mathcal{O}(2; \{2, 3, 6^3, 8^2\})$	7962624
24	$\mathcal{O}(2; \{3^3, 4, 8^2, 12\})$	31850496
24	$\mathcal{O}(2; \{2, 3, 4, 6, 8^2, 12\})$	10616832
24	$\mathcal{O}(2; \{2, 3^2, 8^2, 12^2\})$	31850496
24	$\mathcal{O}(2; \{2^2, 6, 8^2, 12^2\})$	10616832
24	$\mathcal{O}(2; \{8^2, 12^4\})$	127401984
24	$\mathcal{O}(2; \{2^3, 3^2, 4, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{3^2, 4^3, 8, 24\})$	21233664
24	$\mathcal{O}(2; \{2^4, 4, 6, 8, 24\})$	5308416
24	$\mathcal{O}(2; \{3^3, 4, 6, 8, 24\})$	26542080
24	$\mathcal{O}(2; \{2, 4^3, 6, 8, 24\})$	21233664
24	$\mathcal{O}(2; \{2, 3, 4, 6^2, 8, 24\})$	15925248
24	$\mathcal{O}(2; \{2, 3^2, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2^2, 6, 8^3, 24\})$	42467328
24	$\mathcal{O}(2; \{2^4, 3, 8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{3^4, 8, 12, 24\})$	58392576
24	$\mathcal{O}(2; \{2, 3, 4^2, 8, 12, 24\})$	21233664
24	$\mathcal{O}(2; \{2, 3^2, 6, 8, 12, 24\})$	26542080
24	$\mathcal{O}(2; \{2^2, 6^2, 8, 12, 24\})$	15925248
24	$\mathcal{O}(2; \{2^2, 4, 8, 12^2, 24\})$	21233664
24	$\mathcal{O}(2; \{8^3, 12^2, 24\})$	169869312
24	$\mathcal{O}(2; \{6, 8, 12^3, 24\})$	106168320
24	$\mathcal{O}(2; \{2^7, 24^2\})$	2654208
24	$\mathcal{O}(2; \{2^3, 3^3, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2^4, 4^2, 24^2\})$	10616832
24	$\mathcal{O}(2; \{3^3, 4^2, 24^2\})$	53084160
24	$\mathcal{O}(2; \{2, 4^4, 24^2\})$	42467328
24	$\mathcal{O}(2; \{2^4, 3, 6, 24^2\})$	7962624
24	$\mathcal{O}(2; \{3^4, 6, 24^2\})$	55738368
24	$\mathcal{O}(2; \{2, 3, 4^2, 6, 24^2\})$	31850496
24	$\mathcal{O}(2; \{2, 3^2, 6^2, 24^2\})$	29196288
24	$\mathcal{O}(2; \{2^2, 6^3, 24^2\})$	13271040
24	$\mathcal{O}(2; \{2^2, 4, 8^2, 24^2\})$	84934656
24	$\mathcal{O}(2; \{8^4, 24^2\})$	679477248
24	$\mathcal{O}(2; \{2, 3^2, 4, 12, 24^2\})$	53084160

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(2; \{2^2, 4, 6, 12, 24^2\})$	31850496
24	$\mathcal{O}(2; \{6, 8^2, 12, 24^2\})$	254803968
24	$\mathcal{O}(2; \{2^2, 3, 12^2, 24^2\})$	53084160
24	$\mathcal{O}(2; \{6^2, 12^2, 24^2\})$	116785152
24	$\mathcal{O}(2; \{4, 12^3, 24^2\})$	212336640
24	$\mathcal{O}(2; \{2^2, 3, 8, 24^3\})$	127401984
24	$\mathcal{O}(2; \{6^2, 8, 24^3\})$	212336640
24	$\mathcal{O}(2; \{4, 8, 12, 24^3\})$	509607936
24	$\mathcal{O}(2; \{4, 6, 24^4\})$	424673280
24	$\mathcal{O}(2; \{3, 12, 24^4\})$	934281216
24	$\mathcal{O}(1; \{2^6, 3^4, 8^2\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^7, 8^2\})$	96768
24	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 8^2\})$	55296
24	$\mathcal{O}(1; \{3^4, 4^4, 8^2\})$	221184
24	$\mathcal{O}(1; \{2^7, 3^2, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 3^5, 6, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^5, 4^2, 6, 8^2\})$	202752
24	$\mathcal{O}(1; \{2, 3^2, 4^4, 6, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^8, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 8^2\})$	23040
24	$\mathcal{O}(1; \{3^6, 6^2, 8^2\})$	198144
24	$\mathcal{O}(1; \{2^5, 4^2, 6^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^2, 8^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 4^4, 6^2, 8^2\})$	73728
24	$\mathcal{O}(1; \{2^5, 3, 6^3, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3^4, 6^3, 8^2\})$	96768
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^3, 8^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 8^2\})$	50688
24	$\mathcal{O}(1; \{2^3, 6^5, 8^2\})$	23040
24	$\mathcal{O}(1; \{4^2, 6^5, 8^2\})$	92160
24	$\mathcal{O}(1; \{3, 6^6, 8^2\})$	96768
24	$\mathcal{O}(1; \{2, 3^4, 4, 8^4\})$	442368
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 8^4\})$	147456
24	$\mathcal{O}(1; \{2^3, 4, 6^2, 8^4\})$	147456
24	$\mathcal{O}(1; \{4^3, 6^2, 8^4\})$	589824
24	$\mathcal{O}(1; \{3, 4, 6^3, 8^4\})$	442368
24	$\mathcal{O}(1; \{3^2, 6, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2, 6^2, 8^6\})$	1179648
24	$\mathcal{O}(1; \{2^4, 3^3, 4, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{3^6, 4, 8^2, 12\})$	387072
24	$\mathcal{O}(1; \{2, 3^3, 4^3, 8^2, 12\})$	221184
24	$\mathcal{O}(1; \{2^5, 3, 4, 6, 8^2, 12\})$	18432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3^4, 4, 6, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 6, 8^2, 12\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^2, 8^2, 12\})$	92160
24	$\mathcal{O}(1; \{2^3, 4, 6^3, 8^2, 12\})$	55296
24	$\mathcal{O}(1; \{4^3, 6^3, 8^2, 12\})$	221184
24	$\mathcal{O}(1; \{3, 4, 6^4, 8^2, 12\})$	202752
24	$\mathcal{O}(1; \{2^2, 3^3, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^3, 3, 6, 8^4, 12\})$	147456
24	$\mathcal{O}(1; \{3, 4^2, 6, 8^4, 12\})$	589824
24	$\mathcal{O}(1; \{3^2, 6^2, 8^4, 12\})$	737280
24	$\mathcal{O}(1; \{2, 6^3, 8^4, 12\})$	442368
24	$\mathcal{O}(1; \{2^5, 3^2, 8^2, 12^2\})$	55296
24	$\mathcal{O}(1; \{2, 3^5, 8^2, 12^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 8^2, 12^2\})$	221184
24	$\mathcal{O}(1; \{2^6, 6, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^3, 6, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{2^3, 4^2, 6, 8^2, 12^2\})$	73728
24	$\mathcal{O}(1; \{4^4, 6, 8^2, 12^2\})$	294912
24	$\mathcal{O}(1; \{2^3, 3, 6^2, 8^2, 12^2\})$	92160
24	$\mathcal{O}(1; \{3, 4^2, 6^2, 8^2, 12^2\})$	368640
24	$\mathcal{O}(1; \{3^2, 6^3, 8^2, 12^2\})$	387072
24	$\mathcal{O}(1; \{2, 6^4, 8^2, 12^2\})$	202752
24	$\mathcal{O}(1; \{3^2, 4, 8^4, 12^2\})$	1769472
24	$\mathcal{O}(1; \{2, 4, 6, 8^4, 12^2\})$	589824
24	$\mathcal{O}(1; \{2^3, 3, 4, 8^2, 12^3\})$	221184
24	$\mathcal{O}(1; \{3, 4^3, 8^2, 12^3\})$	884736
24	$\mathcal{O}(1; \{3^2, 4, 6, 8^2, 12^3\})$	811008
24	$\mathcal{O}(1; \{2, 4, 6^2, 8^2, 12^3\})$	368640
24	$\mathcal{O}(1; \{2, 3, 8^4, 12^3\})$	1769472
24	$\mathcal{O}(1; \{2^4, 8^2, 12^4\})$	221184
24	$\mathcal{O}(1; \{3^3, 8^2, 12^4\})$	1548288
24	$\mathcal{O}(1; \{2, 4^2, 8^2, 12^4\})$	884736
24	$\mathcal{O}(1; \{2, 3, 6, 8^2, 12^4\})$	811008
24	$\mathcal{O}(1; \{2^7, 3^2, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^5, 4, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3^5, 4^3, 8, 24\})$	405504
24	$\mathcal{O}(1; \{2, 3^2, 4^5, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^8, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^3, 4, 6, 8, 24\})$	46080
24	$\mathcal{O}(1; \{3^6, 4, 6, 8, 24\})$	396288
24	$\mathcal{O}(1; \{2^5, 4^3, 6, 8, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3^3, 4^3, 6, 8, 24\})$	184320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 4^5, 6, 8, 24\})$	147456
24	$\mathcal{O}(1; \{2^5, 3, 4, 6^2, 8, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3^4, 4, 6^2, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^2, 8, 24\})$	110592
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^3, 8, 24\})$	101376
24	$\mathcal{O}(1; \{2^3, 4, 6^4, 8, 24\})$	46080
24	$\mathcal{O}(1; \{4^3, 6^4, 8, 24\})$	184320
24	$\mathcal{O}(1; \{3, 4, 6^5, 8, 24\})$	193536
24	$\mathcal{O}(1; \{2^5, 3^2, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2, 3^5, 8^3, 24\})$	811008
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{2^6, 6, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^2, 3^3, 6, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{2^3, 4^2, 6, 8^3, 24\})$	294912
24	$\mathcal{O}(1; \{4^4, 6, 8^3, 24\})$	1179648
24	$\mathcal{O}(1; \{2^3, 3, 6^2, 8^3, 24\})$	221184
24	$\mathcal{O}(1; \{3, 4^2, 6^2, 8^3, 24\})$	884736
24	$\mathcal{O}(1; \{3^2, 6^3, 8^3, 24\})$	811008
24	$\mathcal{O}(1; \{2, 6^4, 8^3, 24\})$	368640
24	$\mathcal{O}(1; \{3^2, 4, 8^5, 24\})$	2359296
24	$\mathcal{O}(1; \{2, 4, 6, 8^5, 24\})$	2359296
24	$\mathcal{O}(1; \{2^8, 3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^4, 3^4, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{3^7, 8, 12, 24\})$	783360
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 8, 12, 24\})$	405504
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 8, 12, 24\})$	147456
24	$\mathcal{O}(1; \{2^5, 3^2, 6, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{2, 3^5, 6, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6, 8, 12, 24\})$	184320
24	$\mathcal{O}(1; \{2^6, 6^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^3, 4^2, 6^2, 8, 12, 24\})$	110592
24	$\mathcal{O}(1; \{4^4, 6^2, 8, 12, 24\})$	442368
24	$\mathcal{O}(1; \{2^3, 3, 6^3, 8, 12, 24\})$	101376
24	$\mathcal{O}(1; \{3, 4^2, 6^3, 8, 12, 24\})$	405504
24	$\mathcal{O}(1; \{3^2, 6^4, 8, 12, 24\})$	396288
24	$\mathcal{O}(1; \{2, 6^5, 8, 12, 24\})$	193536
24	$\mathcal{O}(1; \{2^3, 3, 4, 8^3, 12, 24\})$	294912
24	$\mathcal{O}(1; \{3, 4^3, 8^3, 12, 24\})$	1179648
24	$\mathcal{O}(1; \{3^2, 4, 6, 8^3, 12, 24\})$	1474560
24	$\mathcal{O}(1; \{2, 4, 6^2, 8^3, 12, 24\})$	884736
24	$\mathcal{O}(1; \{2, 3, 8^5, 12, 24\})$	2359296

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^6, 4, 8, 12^2, 24\})$	36864
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2^3, 4^3, 8, 12^2, 24\})$	147456
24	$\mathcal{O}(1; \{4^5, 8, 12^2, 24\})$	589824
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 8, 12^2, 24\})$	184320
24	$\mathcal{O}(1; \{3, 4^3, 6, 8, 12^2, 24\})$	737280
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 8, 12^2, 24\})$	774144
24	$\mathcal{O}(1; \{2, 4, 6^3, 8, 12^2, 24\})$	405504
24	$\mathcal{O}(1; \{2^4, 8^3, 12^2, 24\})$	294912
24	$\mathcal{O}(1; \{3^3, 8^3, 12^2, 24\})$	3244032
24	$\mathcal{O}(1; \{2, 4^2, 8^3, 12^2, 24\})$	1179648
24	$\mathcal{O}(1; \{2, 3, 6, 8^3, 12^2, 24\})$	1474560
24	$\mathcal{O}(1; \{2^3, 3^2, 8, 12^3, 24\})$	405504
24	$\mathcal{O}(1; \{3^2, 4^2, 8, 12^3, 24\})$	1622016
24	$\mathcal{O}(1; \{2^4, 6, 8, 12^3, 24\})$	184320
24	$\mathcal{O}(1; \{3^3, 6, 8, 12^3, 24\})$	1585152
24	$\mathcal{O}(1; \{2, 4^2, 6, 8, 12^3, 24\})$	737280
24	$\mathcal{O}(1; \{2, 3, 6^2, 8, 12^3, 24\})$	774144
24	$\mathcal{O}(1; \{2, 3, 4, 8, 12^4, 24\})$	1622016
24	$\mathcal{O}(1; \{2^2, 8, 12^5, 24\})$	1622016
24	$\mathcal{O}(1; \{2^{11}, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^7, 3^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^3, 3^6, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^8, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{3^6, 4^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^5, 4^4, 24^2\})$	73728
24	$\mathcal{O}(1; \{2, 3^3, 4^4, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^2, 4^6, 24^2\})$	294912
24	$\mathcal{O}(1; \{2^8, 3, 6, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^4, 3^4, 6, 24^2\})$	96768
24	$\mathcal{O}(1; \{3^7, 6, 24^2\})$	787968
24	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 24^2\})$	221184
24	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 3^5, 6^2, 24^2\})$	391680
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{2^6, 6^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 24^2\})$	92160
24	$\mathcal{O}(1; \{4^4, 6^3, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^3, 3, 6^4, 24^2\})$	96768

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 4^2, 6^4, 24^2\})$	387072
24	$\mathcal{O}(1; \{3^2, 6^5, 24^2\})$	391680
24	$\mathcal{O}(1; \{2, 6^6, 24^2\})$	198144
24	$\mathcal{O}(1; \{2^6, 4, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^3, 4^3, 8^2, 24^2\})$	589824
24	$\mathcal{O}(1; \{4^5, 8^2, 24^2\})$	2359296
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 8^2, 24^2\})$	442368
24	$\mathcal{O}(1; \{3, 4^3, 6, 8^2, 24^2\})$	1769472
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 8^2, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2, 4, 6^3, 8^2, 24^2\})$	737280
24	$\mathcal{O}(1; \{2^4, 8^4, 24^2\})$	1179648
24	$\mathcal{O}(1; \{3^3, 8^4, 24^2\})$	5898240
24	$\mathcal{O}(1; \{2, 4^2, 8^4, 24^2\})$	4718592
24	$\mathcal{O}(1; \{2, 3, 6, 8^4, 24^2\})$	3538944
24	$\mathcal{O}(1; \{2^5, 3^2, 4, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{2, 3^5, 4, 12, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 12, 24^2\})$	368640
24	$\mathcal{O}(1; \{2^6, 4, 6, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^3, 4^3, 6, 12, 24^2\})$	221184
24	$\mathcal{O}(1; \{4^5, 6, 12, 24^2\})$	884736
24	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 12, 24^2\})$	202752
24	$\mathcal{O}(1; \{3, 4^3, 6^2, 12, 24^2\})$	811008
24	$\mathcal{O}(1; \{3^2, 4, 6^3, 12, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 4, 6^4, 12, 24^2\})$	387072
24	$\mathcal{O}(1; \{2^3, 3^2, 8^2, 12, 24^2\})$	737280
24	$\mathcal{O}(1; \{3^2, 4^2, 8^2, 12, 24^2\})$	2949120
24	$\mathcal{O}(1; \{2^4, 6, 8^2, 12, 24^2\})$	442368
24	$\mathcal{O}(1; \{3^3, 6, 8^2, 12, 24^2\})$	3096576
24	$\mathcal{O}(1; \{2, 4^2, 6, 8^2, 12, 24^2\})$	1769472
24	$\mathcal{O}(1; \{2, 3, 6^2, 8^2, 12, 24^2\})$	1622016
24	$\mathcal{O}(1; \{2^6, 3, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2^2, 3^4, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 12^2, 24^2\})$	368640
24	$\mathcal{O}(1; \{3, 4^4, 12^2, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 12^2, 24^2\})$	387072
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 12^2, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2^4, 6^2, 12^2, 24^2\})$	202752
24	$\mathcal{O}(1; \{3^3, 6^2, 12^2, 24^2\})$	1566720
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 12^2, 24^2\})$	811008
24	$\mathcal{O}(1; \{2, 3, 6^3, 12^2, 24^2\})$	792576
24	$\mathcal{O}(1; \{2, 3, 4, 8^2, 12^2, 24^2\})$	2949120

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^4, 4, 12^3, 24^2\})$	368640
24	$\mathcal{O}(1; \{3^3, 4, 12^3, 24^2\})$	3170304
24	$\mathcal{O}(1; \{2, 4^3, 12^3, 24^2\})$	1474560
24	$\mathcal{O}(1; \{2, 3, 4, 6, 12^3, 24^2\})$	1548288
24	$\mathcal{O}(1; \{2^2, 8^2, 12^3, 24^2\})$	2949120
24	$\mathcal{O}(1; \{2, 3^2, 12^4, 24^2\})$	3170304
24	$\mathcal{O}(1; \{2^2, 6, 12^4, 24^2\})$	1548288
24	$\mathcal{O}(1; \{12^6, 24^2\})$	12681216
24	$\mathcal{O}(1; \{2^6, 3, 8, 24^3\})$	221184
24	$\mathcal{O}(1; \{2^2, 3^4, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 8, 24^3\})$	884736
24	$\mathcal{O}(1; \{3, 4^4, 8, 24^3\})$	3538944
24	$\mathcal{O}(1; \{2^3, 3^2, 6, 8, 24^3\})$	811008
24	$\mathcal{O}(1; \{3^2, 4^2, 6, 8, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2^4, 6^2, 8, 24^3\})$	368640
24	$\mathcal{O}(1; \{3^3, 6^2, 8, 24^3\})$	3170304
24	$\mathcal{O}(1; \{2, 4^2, 6^2, 8, 24^3\})$	1474560
24	$\mathcal{O}(1; \{2, 3, 6^3, 8, 24^3\})$	1548288
24	$\mathcal{O}(1; \{2, 3, 4, 8^3, 24^3\})$	7077888
24	$\mathcal{O}(1; \{2^4, 4, 8, 12, 24^3\})$	884736
24	$\mathcal{O}(1; \{3^3, 4, 8, 12, 24^3\})$	6193152
24	$\mathcal{O}(1; \{2, 4^3, 8, 12, 24^3\})$	3538944
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8, 12, 24^3\})$	3244032
24	$\mathcal{O}(1; \{2^2, 8^3, 12, 24^3\})$	7077888
24	$\mathcal{O}(1; \{2, 3^2, 8, 12^2, 24^3\})$	6193152
24	$\mathcal{O}(1; \{2^2, 6, 8, 12^2, 24^3\})$	3244032
24	$\mathcal{O}(1; \{8, 12^4, 24^3\})$	24772608
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 24^4\})$	1622016
24	$\mathcal{O}(1; \{3^2, 4^3, 24^4\})$	6488064
24	$\mathcal{O}(1; \{2^4, 4, 6, 24^4\})$	737280
24	$\mathcal{O}(1; \{3^3, 4, 6, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2, 4^3, 6, 24^4\})$	2949120
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2, 3^2, 8^2, 24^4\})$	12976128
24	$\mathcal{O}(1; \{2^2, 6, 8^2, 24^4\})$	5898240
24	$\mathcal{O}(1; \{2^4, 3, 12, 24^4\})$	1622016
24	$\mathcal{O}(1; \{3^4, 12, 24^4\})$	12533760
24	$\mathcal{O}(1; \{2, 3, 4^2, 12, 24^4\})$	6488064
24	$\mathcal{O}(1; \{2, 3^2, 6, 12, 24^4\})$	6340608
24	$\mathcal{O}(1; \{2^2, 6^2, 12, 24^4\})$	3096576
24	$\mathcal{O}(1; \{2^2, 4, 12^2, 24^4\})$	6488064
24	$\mathcal{O}(1; \{8^2, 12^2, 24^4\})$	51904512
24	$\mathcal{O}(1; \{6, 12^3, 24^4\})$	25362432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 4, 8, 24^5\})$	11796480
24	$\mathcal{O}(1; \{8^3, 24^5\})$	94371840
24	$\mathcal{O}(1; \{6, 8, 12, 24^5\})$	49545216
24	$\mathcal{O}(1; \{2^2, 3, 24^6\})$	24772608
24	$\mathcal{O}(1; \{6^2, 24^6\})$	50724864
24	$\mathcal{O}(1; \{4, 12, 24^6\})$	99090432
24	$\mathcal{O}(0; \{2^{10}, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2^6, 3^7, 8^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3^{10}, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 8^2\})$	672
24	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 8^2\})$	384
24	$\mathcal{O}(0; \{3^7, 4^4, 8^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 4^6, 8^2\})$	1536
24	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^7, 3^5, 6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3^8, 6, 8^2\})$	680
24	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6, 8^2\})$	352
24	$\mathcal{O}(0; \{3^8, 4^2, 6, 8^2\})$	2720
24	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{2, 3^5, 4^4, 6, 8^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6, 8^2\})$	512
24	$\mathcal{O}(0; \{2^{12}, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 8^2\})$	344
24	$\mathcal{O}(0; \{3^9, 6^2, 8^2\})$	2728
24	$\mathcal{O}(0; \{2^9, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^2, 8^2\})$	160
24	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^2, 8^2\})$	1376
24	$\mathcal{O}(0; \{2^6, 4^4, 6^2, 8^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^2, 8^2\})$	640
24	$\mathcal{O}(0; \{2^3, 4^6, 6^2, 8^2\})$	512
24	$\mathcal{O}(0; \{4^8, 6^2, 8^2\})$	2048
24	$\mathcal{O}(0; \{2^9, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^7, 6^3, 8^2\})$	1368
24	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^3, 8^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^3, 8^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^3, 8^2\})$	384
24	$\mathcal{O}(0; \{3, 4^6, 6^3, 8^2\})$	1536
24	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 8^2\})$	680

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^4, 8^2\})$	352
24	$\mathcal{O}(0; \{3^2, 4^4, 6^4, 8^2\})$	1408
24	$\mathcal{O}(0; \{2^7, 6^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 8^2\})$	344
24	$\mathcal{O}(0; \{2^4, 4^2, 6^5, 8^2\})$	160
24	$\mathcal{O}(0; \{3^3, 4^2, 6^5, 8^2\})$	1376
24	$\mathcal{O}(0; \{2, 4^4, 6^5, 8^2\})$	640
24	$\mathcal{O}(0; \{2^4, 3, 6^6, 8^2\})$	168
24	$\mathcal{O}(0; \{3^4, 6^6, 8^2\})$	1368
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^6, 8^2\})$	672
24	$\mathcal{O}(0; \{2, 3^2, 6^7, 8^2\})$	680
24	$\mathcal{O}(0; \{2^2, 6^8, 8^2\})$	344
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 8^4\})$	768
24	$\mathcal{O}(0; \{2, 3^7, 4, 8^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 8^4\})$	3072
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 8^4\})$	1024
24	$\mathcal{O}(0; \{3^2, 4^5, 6, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^7, 4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 8^4\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 8^4\})$	5120
24	$\mathcal{O}(0; \{2, 4^5, 6^2, 8^4\})$	4096
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 8^4\})$	768
24	$\mathcal{O}(0; \{3^4, 4, 6^3, 8^4\})$	5376
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 8^4\})$	3072
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 8^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 4, 6^5, 8^4\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^4, 8^6\})$	6144
24	$\mathcal{O}(0; \{3^4, 4^2, 8^6\})$	24576
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^6\})$	2048
24	$\mathcal{O}(0; \{3^5, 6, 8^6\})$	22528
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^5, 6^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^6\})$	10240
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^6\})$	8192
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^6\})$	6144
24	$\mathcal{O}(0; \{6^5, 8^6\})$	10240
24	$\mathcal{O}(0; \{4, 6^2, 8^8\})$	65536
24	$\mathcal{O}(0; \{2^8, 3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^4, 3^6, 4, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{3^9, 4, 8^2, 12\})$	5472

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{2, 3^6, 4^3, 8^2, 12\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^9, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 6, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{2, 3^7, 4, 6, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 6, 8^2, 12\})$	512
24	$\mathcal{O}(0; \{3, 4^7, 6, 8^2, 12\})$	2048
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^2, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^2, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^2, 8^2, 12\})$	640
24	$\mathcal{O}(0; \{3^2, 4^5, 6^2, 8^2, 12\})$	2560
24	$\mathcal{O}(0; \{2^7, 4, 6^3, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^3, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^4, 4^3, 6^3, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{3^3, 4^3, 6^3, 8^2, 12\})$	2688
24	$\mathcal{O}(0; \{2, 4^5, 6^3, 8^2, 12\})$	1536
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^4, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{3^4, 4, 6^4, 8^2, 12\})$	2720
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^4, 8^2, 12\})$	1408
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^5, 8^2, 12\})$	1376
24	$\mathcal{O}(0; \{2^2, 4, 6^6, 8^2, 12\})$	672
24	$\mathcal{O}(0; \{2^6, 3^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2^2, 3^6, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{3^3, 4^4, 8^4, 12\})$	12288
24	$\mathcal{O}(0; \{2^7, 3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8^4, 12\})$	11264
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8^4, 12\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8^4, 12\})$	1280
24	$\mathcal{O}(0; \{3^5, 6^2, 8^4, 12\})$	11008
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8^4, 12\})$	5120
24	$\mathcal{O}(0; \{2^5, 6^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8^4, 12\})$	3072
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8^4, 12\})$	2816
24	$\mathcal{O}(0; \{6^6, 8^4, 12\})$	5376
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^6, 12\})$	24576
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^6, 12\})$	8192

Continued on next page

Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4, 6^3, 8^6, 12\})$	24576
24	$\mathcal{O}(0; \{3, 6, 8^8, 12\})$	65536
24	$\mathcal{O}(0; \{2^9, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^5, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{2, 3^8, 8^2, 12^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 8^2, 12^2\})$	1536
24	$\mathcal{O}(0; \{3^2, 4^6, 8^2, 12^2\})$	6144
24	$\mathcal{O}(0; \{2^{10}, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^6, 3^3, 6, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^6, 6, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^7, 4^2, 6, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 4^4, 6, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{3^3, 4^4, 6, 8^2, 12^2\})$	5632
24	$\mathcal{O}(0; \{2, 4^6, 6, 8^2, 12^2\})$	2048
24	$\mathcal{O}(0; \{2^7, 3, 6^2, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 8^2, 12^2\})$	640
24	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 8^2, 12^2\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 8^2, 12^2\})$	2560
24	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{3^5, 6^3, 8^2, 12^2\})$	5472
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 8^2, 12^2\})$	2688
24	$\mathcal{O}(0; \{2^5, 6^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3^3, 6^4, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 8^2, 12^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 6^5, 8^2, 12^2\})$	1376
24	$\mathcal{O}(0; \{6^7, 8^2, 12^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^4, 12^2\})$	3072
24	$\mathcal{O}(0; \{3^5, 4, 8^4, 12^2\})$	21504
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^4, 12^2\})$	12288
24	$\mathcal{O}(0; \{2^5, 4, 6, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8^4, 12^2\})$	4096
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^4, 12^2\})$	5120
24	$\mathcal{O}(0; \{4, 6^4, 8^4, 12^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^2, 8^6, 12^2\})$	24576
24	$\mathcal{O}(0; \{2^3, 6, 8^6, 12^2\})$	8192
24	$\mathcal{O}(0; \{4^2, 6, 8^6, 12^2\})$	32768
24	$\mathcal{O}(0; \{3, 6^2, 8^6, 12^2\})$	40960
24	$\mathcal{O}(0; \{2^7, 3, 4, 8^2, 12^3\})$	384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 8^2, 12^3\})$	1536
24	$\mathcal{O}(0; \{3^4, 4^3, 8^2, 12^3\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^5, 8^2, 12^3\})$	6144
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 8^2, 12^3\})$	1408
24	$\mathcal{O}(0; \{3^5, 4, 6, 8^2, 12^3\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 8^2, 12^3\})$	5632
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 8^2, 12^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 8^2, 12^3\})$	2688
24	$\mathcal{O}(0; \{4, 6^5, 8^2, 12^3\})$	5504
24	$\mathcal{O}(0; \{2^5, 3, 8^4, 12^3\})$	3072
24	$\mathcal{O}(0; \{2, 3^4, 8^4, 12^3\})$	21504
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^4, 12^3\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^4, 12^3\})$	11264
24	$\mathcal{O}(0; \{2^3, 6^2, 8^4, 12^3\})$	5120
24	$\mathcal{O}(0; \{4^2, 6^2, 8^4, 12^3\})$	20480
24	$\mathcal{O}(0; \{3, 6^3, 8^4, 12^3\})$	21504
24	$\mathcal{O}(0; \{3, 4, 8^6, 12^3\})$	98304
24	$\mathcal{O}(0; \{2^8, 8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{2^4, 3^3, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{3^6, 8^2, 12^4\})$	21888
24	$\mathcal{O}(0; \{2^5, 4^2, 8^2, 12^4\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^2, 12^4\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^4, 8^2, 12^4\})$	6144
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^2, 12^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^2, 12^4\})$	5504
24	$\mathcal{O}(0; \{2^3, 6^3, 8^2, 12^4\})$	2688
24	$\mathcal{O}(0; \{4^2, 6^3, 8^2, 12^4\})$	10752
24	$\mathcal{O}(0; \{3, 6^4, 8^2, 12^4\})$	10880
24	$\mathcal{O}(0; \{2^3, 4, 8^4, 12^4\})$	12288
24	$\mathcal{O}(0; \{4^3, 8^4, 12^4\})$	49152
24	$\mathcal{O}(0; \{3, 4, 6, 8^4, 12^4\})$	45056
24	$\mathcal{O}(0; \{2, 8^6, 12^4\})$	98304
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^2, 12^5\})$	10752
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^2, 12^5\})$	5632
24	$\mathcal{O}(0; \{4^3, 6, 8^2, 12^5\})$	22528
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^2, 12^5\})$	22016
24	$\mathcal{O}(0; \{3^2, 8^4, 12^5\})$	86016
24	$\mathcal{O}(0; \{2, 6, 8^4, 12^5\})$	45056

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 8^2, 12^6\})$	10752
24	$\mathcal{O}(0; \{3, 4^2, 8^2, 12^6\})$	43008
24	$\mathcal{O}(0; \{3^2, 6, 8^2, 12^6\})$	43520
24	$\mathcal{O}(0; \{2, 6^2, 8^2, 12^6\})$	22016
24	$\mathcal{O}(0; \{2, 4, 8^2, 12^7\})$	43008
24	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^7, 3^5, 4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^8, 4, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 8, 24\})$	704
24	$\mathcal{O}(0; \{3^8, 4^3, 8, 24\})$	5440
24	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{2, 3^5, 4^5, 8, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 8, 24\})$	1024
24	$\mathcal{O}(0; \{2^{12}, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^8, 3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^6, 4, 6, 8, 24\})$	688
24	$\mathcal{O}(0; \{3^9, 4, 6, 8, 24\})$	5456
24	$\mathcal{O}(0; \{2^9, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6, 8, 24\})$	320
24	$\mathcal{O}(0; \{2, 3^6, 4^3, 6, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2^6, 4^5, 6, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^3, 4^7, 6, 8, 24\})$	1024
24	$\mathcal{O}(0; \{4^9, 6, 8, 24\})$	4096
24	$\mathcal{O}(0; \{2^9, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^2, 8, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^7, 4, 6^2, 8, 24\})$	2736
24	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^2, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^2, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^2, 8, 24\})$	768
24	$\mathcal{O}(0; \{3, 4^7, 6^2, 8, 24\})$	3072
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^3, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^3, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^3, 8, 24\})$	704
24	$\mathcal{O}(0; \{3^2, 4^5, 6^3, 8, 24\})$	2816
24	$\mathcal{O}(0; \{2^7, 4, 6^4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^4, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^4, 4^3, 6^4, 8, 24\})$	320
24	$\mathcal{O}(0; \{3^3, 4^3, 6^4, 8, 24\})$	2752
24	$\mathcal{O}(0; \{2, 4^5, 6^4, 8, 24\})$	1280
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^5, 8, 24\})$	336
24	$\mathcal{O}(0; \{3^4, 4, 6^5, 8, 24\})$	2736

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^5, 8, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^6, 8, 24\})$	1360
24	$\mathcal{O}(0; \{2^2, 4, 6^7, 8, 24\})$	688
24	$\mathcal{O}(0; \{2^9, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^5, 3^5, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^8, 8^3, 24\})$	10880
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{3^2, 4^6, 8^3, 24\})$	8192
24	$\mathcal{O}(0; \{2^{10}, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^6, 3^3, 6, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 3^6, 6, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^7, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^4, 4^4, 6, 8^3, 24\})$	2048
24	$\mathcal{O}(0; \{3^3, 4^4, 6, 8^3, 24\})$	10240
24	$\mathcal{O}(0; \{2, 4^6, 6, 8^3, 24\})$	8192
24	$\mathcal{O}(0; \{2^7, 3, 6^2, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 8^3, 24\})$	1536
24	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 8^3, 24\})$	10752
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 8^3, 24\})$	6144
24	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{3^5, 6^3, 8^3, 24\})$	10880
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 8^3, 24\})$	5632
24	$\mathcal{O}(0; \{2^5, 6^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3^3, 6^4, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 8^3, 24\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 6^5, 8^3, 24\})$	2688
24	$\mathcal{O}(0; \{6^7, 8^3, 24\})$	5504
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{3^5, 4, 8^5, 24\})$	45056
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2^5, 4, 6, 8^5, 24\})$	4096
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8^5, 24\})$	16384
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^5, 24\})$	12288
24	$\mathcal{O}(0; \{4, 6^4, 8^5, 24\})$	20480
24	$\mathcal{O}(0; \{2^2, 3^2, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{2^3, 6, 8^7, 24\})$	32768
24	$\mathcal{O}(0; \{4^2, 6, 8^7, 24\})$	131072
24	$\mathcal{O}(0; \{3, 6^2, 8^7, 24\})$	98304

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^{12}, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^8, 3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^4, 3^7, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{3^{10}, 8, 12, 24\})$	10928
24	$\mathcal{O}(0; \{2^9, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^7, 4^2, 8, 12, 24\})$	5440
24	$\mathcal{O}(0; \{2^6, 3, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^3, 3, 4^6, 8, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3, 4^8, 8, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^9, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^5, 3^5, 6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{2, 3^8, 6, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6, 8, 12, 24\})$	1280
24	$\mathcal{O}(0; \{3^2, 4^6, 6, 8, 12, 24\})$	5120
24	$\mathcal{O}(0; \{2^{10}, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^7, 4^2, 6^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^2, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^4, 4^4, 6^2, 8, 12, 24\})$	768
24	$\mathcal{O}(0; \{3^3, 4^4, 6^2, 8, 12, 24\})$	5376
24	$\mathcal{O}(0; \{2, 4^6, 6^2, 8, 12, 24\})$	3072
24	$\mathcal{O}(0; \{2^7, 3, 6^3, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^3, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{3^4, 4^2, 6^3, 8, 12, 24\})$	5440
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^3, 8, 12, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{3^5, 6^4, 8, 12, 24\})$	5456
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^4, 8, 12, 24\})$	2752
24	$\mathcal{O}(0; \{2^5, 6^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^3, 6^5, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^2, 4^2, 6^5, 8, 12, 24\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 6^6, 8, 12, 24\})$	1360
24	$\mathcal{O}(0; \{6^8, 8, 12, 24\})$	2736
24	$\mathcal{O}(0; \{2^7, 3, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 8^3, 12, 24\})$	2048
24	$\mathcal{O}(0; \{3^4, 4^3, 8^3, 12, 24\})$	22528

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^5, 8^3, 12, 24\})$	8192
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 8^3, 12, 24\})$	2560
24	$\mathcal{O}(0; \{3^5, 4, 6, 8^3, 12, 24\})$	22016
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 8^3, 12, 24\})$	10240
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 8^3, 12, 24\})$	6144
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 8^3, 12, 24\})$	5632
24	$\mathcal{O}(0; \{4, 6^5, 8^3, 12, 24\})$	10752
24	$\mathcal{O}(0; \{2^5, 3, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2, 3^4, 8^5, 12, 24\})$	45056
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^5, 12, 24\})$	16384
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^5, 12, 24\})$	20480
24	$\mathcal{O}(0; \{2^3, 6^2, 8^5, 12, 24\})$	12288
24	$\mathcal{O}(0; \{4^2, 6^2, 8^5, 12, 24\})$	49152
24	$\mathcal{O}(0; \{3, 6^3, 8^5, 12, 24\})$	45056
24	$\mathcal{O}(0; \{3, 4, 8^7, 12, 24\})$	131072
24	$\mathcal{O}(0; \{2^{10}, 4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^7, 4^3, 8, 12^2, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2^4, 4^5, 8, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{3^3, 4^5, 8, 12^2, 24\})$	11264
24	$\mathcal{O}(0; \{2, 4^7, 8, 12^2, 24\})$	4096
24	$\mathcal{O}(0; \{2^7, 3, 4, 6, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 8, 12^2, 24\})$	1280
24	$\mathcal{O}(0; \{3^4, 4^3, 6, 8, 12^2, 24\})$	11008
24	$\mathcal{O}(0; \{2, 3, 4^5, 6, 8, 12^2, 24\})$	5120
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 8, 12^2, 24\})$	1344
24	$\mathcal{O}(0; \{3^5, 4, 6^2, 8, 12^2, 24\})$	10944
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 8, 12^2, 24\})$	5376
24	$\mathcal{O}(0; \{2^5, 4, 6^3, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 8, 12^2, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 8, 12^2, 24\})$	2752
24	$\mathcal{O}(0; \{4, 6^6, 8, 12^2, 24\})$	5440
24	$\mathcal{O}(0; \{2^8, 8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{2^4, 3^3, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{3^6, 8^3, 12^2, 24\})$	43520
24	$\mathcal{O}(0; \{2^5, 4^2, 8^3, 12^2, 24\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^3, 12^2, 24\})$	22528

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4^4, 8^3, 12^2, 24\})$	8192
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^3, 12^2, 24\})$	10240
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^3, 12^2, 24\})$	10752
24	$\mathcal{O}(0; \{2^3, 6^3, 8^3, 12^2, 24\})$	5632
24	$\mathcal{O}(0; \{4^2, 6^3, 8^3, 12^2, 24\})$	22528
24	$\mathcal{O}(0; \{3, 6^4, 8^3, 12^2, 24\})$	22016
24	$\mathcal{O}(0; \{2^3, 4, 8^5, 12^2, 24\})$	16384
24	$\mathcal{O}(0; \{4^3, 8^5, 12^2, 24\})$	65536
24	$\mathcal{O}(0; \{3, 4, 6, 8^5, 12^2, 24\})$	81920
24	$\mathcal{O}(0; \{2, 8^7, 12^2, 24\})$	131072
24	$\mathcal{O}(0; \{2^7, 3^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^3, 3^5, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8, 12^3, 24\})$	2816
24	$\mathcal{O}(0; \{3^5, 4^2, 8, 12^3, 24\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8, 12^3, 24\})$	11264
24	$\mathcal{O}(0; \{2^8, 6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{3^6, 6, 8, 12^3, 24\})$	21824
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8, 12^3, 24\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8, 12^3, 24\})$	5120
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8, 12^3, 24\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8, 12^3, 24\})$	5440
24	$\mathcal{O}(0; \{2^3, 6^4, 8, 12^3, 24\})$	2752
24	$\mathcal{O}(0; \{4^2, 6^4, 8, 12^3, 24\})$	11008
24	$\mathcal{O}(0; \{3, 6^5, 8, 12^3, 24\})$	10944
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^3, 12^3, 24\})$	22528
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^3, 12^3, 24\})$	10240
24	$\mathcal{O}(0; \{4^3, 6, 8^3, 12^3, 24\})$	40960
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^3, 12^3, 24\})$	43008
24	$\mathcal{O}(0; \{3^2, 8^5, 12^3, 24\})$	180224
24	$\mathcal{O}(0; \{2, 6, 8^5, 12^3, 24\})$	81920
24	$\mathcal{O}(0; \{2^5, 3, 4, 8, 12^4, 24\})$	2816
24	$\mathcal{O}(0; \{2, 3^4, 4, 8, 12^4, 24\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8, 12^4, 24\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8, 12^4, 24\})$	11008
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8, 12^4, 24\})$	5376
24	$\mathcal{O}(0; \{4^3, 6^2, 8, 12^4, 24\})$	21504
24	$\mathcal{O}(0; \{3, 4, 6^3, 8, 12^4, 24\})$	21760

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 8^3, 12^4, 24\})$	22528
24	$\mathcal{O}(0; \{3, 4^2, 8^3, 12^4, 24\})$	90112
24	$\mathcal{O}(0; \{3^2, 6, 8^3, 12^4, 24\})$	88064
24	$\mathcal{O}(0; \{2, 6^2, 8^3, 12^4, 24\})$	43008
24	$\mathcal{O}(0; \{2^6, 8, 12^5, 24\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^3, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{2^3, 4^2, 8, 12^5, 24\})$	11264
24	$\mathcal{O}(0; \{4^4, 8, 12^5, 24\})$	45056
24	$\mathcal{O}(0; \{2^3, 3, 6, 8, 12^5, 24\})$	11008
24	$\mathcal{O}(0; \{3, 4^2, 6, 8, 12^5, 24\})$	44032
24	$\mathcal{O}(0; \{3^2, 6^2, 8, 12^5, 24\})$	43776
24	$\mathcal{O}(0; \{2, 6^3, 8, 12^5, 24\})$	21760
24	$\mathcal{O}(0; \{2, 4, 8^3, 12^5, 24\})$	90112
24	$\mathcal{O}(0; \{3^2, 4, 8, 12^6, 24\})$	87040
24	$\mathcal{O}(0; \{2, 4, 6, 8, 12^6, 24\})$	44032
24	$\mathcal{O}(0; \{2, 3, 8, 12^7, 24\})$	87040
24	$\mathcal{O}(0; \{2^{15}, 24^2\})$	8
24	$\mathcal{O}(0; \{2^{11}, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^7, 3^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^3, 3^9, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^{12}, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{3^9, 4^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^9, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^6, 4^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^6, 4^6, 24^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^3, 4^8, 24^2\})$	2048
24	$\mathcal{O}(0; \{4^{10}, 24^2\})$	8192
24	$\mathcal{O}(0; \{2^{12}, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{2^8, 3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2^4, 3^7, 6, 24^2\})$	1368
24	$\mathcal{O}(0; \{3^{10}, 6, 24^2\})$	10920
24	$\mathcal{O}(0; \{2^9, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^7, 4^2, 6, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^6, 3, 4^4, 6, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^3, 3, 4^6, 6, 24^2\})$	1536
24	$\mathcal{O}(0; \{3, 4^8, 6, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 24^2\})$	88

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 24^2\})$	680
24	$\mathcal{O}(0; \{2, 3^8, 6^2, 24^2\})$	5464
24	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^2, 4^6, 6^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^{10}, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^7, 4^2, 6^3, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^3, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^4, 4^4, 6^3, 24^2\})$	640
24	$\mathcal{O}(0; \{3^3, 4^4, 6^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 4^6, 6^3, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^7, 3, 6^4, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 24^2\})$	1368
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^4, 24^2\})$	672
24	$\mathcal{O}(0; \{3^4, 4^2, 6^4, 24^2\})$	5472
24	$\mathcal{O}(0; \{2, 3, 4^4, 6^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 24^2\})$	680
24	$\mathcal{O}(0; \{3^5, 6^5, 24^2\})$	5464
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^5, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^5, 6^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3^3, 6^6, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^2, 4^2, 6^6, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^2, 3, 6^7, 24^2\})$	1368
24	$\mathcal{O}(0; \{6^9, 24^2\})$	2728
24	$\mathcal{O}(0; \{2^{10}, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^7, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^4, 4^5, 8^2, 24^2\})$	4096
24	$\mathcal{O}(0; \{3^3, 4^5, 8^2, 24^2\})$	20480
24	$\mathcal{O}(0; \{2, 4^7, 8^2, 24^2\})$	16384
24	$\mathcal{O}(0; \{2^7, 3, 4, 6, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 8^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^4, 4^3, 6, 8^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2, 3, 4^5, 6, 8^2, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 8^2, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^5, 4, 6^2, 8^2, 24^2\})$	21760
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 8^2, 24^2\})$	11264

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 4, 6^3, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 8^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 8^2, 24^2\})$	5376
24	$\mathcal{O}(0; \{4, 6^6, 8^2, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^8, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^4, 3^3, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{3^6, 8^4, 24^2\})$	88064
24	$\mathcal{O}(0; \{2^5, 4^2, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^4, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^2, 4^4, 8^4, 24^2\})$	32768
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^4, 24^2\})$	24576
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^4, 24^2\})$	22528
24	$\mathcal{O}(0; \{2^3, 6^3, 8^4, 24^2\})$	10240
24	$\mathcal{O}(0; \{4^2, 6^3, 8^4, 24^2\})$	40960
24	$\mathcal{O}(0; \{3, 6^4, 8^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^3, 4, 8^6, 24^2\})$	65536
24	$\mathcal{O}(0; \{4^3, 8^6, 24^2\})$	262144
24	$\mathcal{O}(0; \{3, 4, 6, 8^6, 24^2\})$	196608
24	$\mathcal{O}(0; \{2, 8^8, 24^2\})$	524288
24	$\mathcal{O}(0; \{2^9, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^5, 3^5, 4, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^8, 4, 12, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^2, 4^7, 12, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^{10}, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2^6, 3^3, 4, 6, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^6, 4, 6, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^7, 4^3, 6, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 4^5, 6, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^3, 4^5, 6, 12, 24^2\})$	10752
24	$\mathcal{O}(0; \{2, 4^7, 6, 12, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^7, 3, 4, 6^2, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^2, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^2, 12, 24^2\})$	1408
24	$\mathcal{O}(0; \{3^4, 4^3, 6^2, 12, 24^2\})$	10880
24	$\mathcal{O}(0; \{2, 3, 4^5, 6^2, 12, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^3, 12, 24^2\})$	1376

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^5, 4, 6^3, 12, 24^2\})$	10912
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^3, 12, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^5, 4, 6^4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^4, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^2, 4^3, 6^4, 12, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^5, 12, 24^2\})$	2720
24	$\mathcal{O}(0; \{4, 6^7, 12, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^7, 3^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^3, 3^5, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8^2, 12, 24^2\})$	5120
24	$\mathcal{O}(0; \{3^5, 4^2, 8^2, 12, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8^2, 12, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^8, 6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{3^6, 6, 8^2, 12, 24^2\})$	43776
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8^2, 12, 24^2\})$	12288
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8^2, 12, 24^2\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8^2, 12, 24^2\})$	11008
24	$\mathcal{O}(0; \{2^3, 6^4, 8^2, 12, 24^2\})$	5376
24	$\mathcal{O}(0; \{4^2, 6^4, 8^2, 12, 24^2\})$	21504
24	$\mathcal{O}(0; \{3, 6^5, 8^2, 12, 24^2\})$	21760
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^4, 12, 24^2\})$	40960
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^4, 12, 24^2\})$	24576
24	$\mathcal{O}(0; \{4^3, 6, 8^4, 12, 24^2\})$	98304
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^4, 12, 24^2\})$	90112
24	$\mathcal{O}(0; \{3^2, 8^6, 12, 24^2\})$	327680
24	$\mathcal{O}(0; \{2, 6, 8^6, 12, 24^2\})$	196608
24	$\mathcal{O}(0; \{2^{10}, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^6, 3^4, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^2, 3^7, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{3^4, 4^4, 12^2, 24^2\})$	22016
24	$\mathcal{O}(0; \{2, 3, 4^6, 12^2, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 12^2, 24^2\})$	2688
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 12^2, 24^2\})$	21888

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 12^2, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^8, 6^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{3^6, 6^2, 12^2, 24^2\})$	21856
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 12^2, 24^2\})$	5504
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 12^2, 24^2\})$	5472
24	$\mathcal{O}(0; \{2^3, 6^5, 12^2, 24^2\})$	2720
24	$\mathcal{O}(0; \{4^2, 6^5, 12^2, 24^2\})$	10880
24	$\mathcal{O}(0; \{3, 6^6, 12^2, 24^2\})$	10912
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^2, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^2, 12^2, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^2, 12^2, 24^2\})$	20480
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^2, 12^2, 24^2\})$	21504
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^2, 12^2, 24^2\})$	11264
24	$\mathcal{O}(0; \{4^3, 6^2, 8^2, 12^2, 24^2\})$	45056
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^2, 12^2, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^3, 3, 8^4, 12^2, 24^2\})$	40960
24	$\mathcal{O}(0; \{3, 4^2, 8^4, 12^2, 24^2\})$	163840
24	$\mathcal{O}(0; \{3^2, 6, 8^4, 12^2, 24^2\})$	172032
24	$\mathcal{O}(0; \{2, 6^2, 8^4, 12^2, 24^2\})$	90112
24	$\mathcal{O}(0; \{2^8, 4, 12^3, 24^2\})$	640
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{3^6, 4, 12^3, 24^2\})$	43648
24	$\mathcal{O}(0; \{2^5, 4^3, 12^3, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 12^3, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^2, 4^5, 12^3, 24^2\})$	10240
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 12^3, 24^2\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 12^3, 24^2\})$	10880
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 12^3, 24^2\})$	5504
24	$\mathcal{O}(0; \{4^3, 6^3, 12^3, 24^2\})$	22016
24	$\mathcal{O}(0; \{3, 4, 6^4, 12^3, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^6, 8^2, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^2, 3^3, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 12^3, 24^2\})$	20480
24	$\mathcal{O}(0; \{4^4, 8^2, 12^3, 24^2\})$	81920
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^2, 12^3, 24^2\})$	21504

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^2, 12^3, 24^2\})$	86016
24	$\mathcal{O}(0; \{3^2, 6^2, 8^2, 12^3, 24^2\})$	87040
24	$\mathcal{O}(0; \{2, 6^3, 8^2, 12^3, 24^2\})$	44032
24	$\mathcal{O}(0; \{2, 4, 8^4, 12^3, 24^2\})$	163840
24	$\mathcal{O}(0; \{2^5, 3^2, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 3^5, 12^4, 24^2\})$	43648
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12^4, 24^2\})$	22016
24	$\mathcal{O}(0; \{2^6, 6, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 12^4, 24^2\})$	10752
24	$\mathcal{O}(0; \{4^4, 6, 12^4, 24^2\})$	43008
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 12^4, 24^2\})$	10880
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 12^4, 24^2\})$	43520
24	$\mathcal{O}(0; \{3^2, 6^3, 12^4, 24^2\})$	43648
24	$\mathcal{O}(0; \{2, 6^4, 12^4, 24^2\})$	21888
24	$\mathcal{O}(0; \{3^2, 4, 8^2, 12^4, 24^2\})$	176128
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 12^4, 24^2\})$	86016
24	$\mathcal{O}(0; \{2^3, 3, 4, 12^5, 24^2\})$	22016
24	$\mathcal{O}(0; \{3, 4^3, 12^5, 24^2\})$	88064
24	$\mathcal{O}(0; \{3^2, 4, 6, 12^5, 24^2\})$	87552
24	$\mathcal{O}(0; \{2, 4, 6^2, 12^5, 24^2\})$	43520
24	$\mathcal{O}(0; \{2, 3, 8^2, 12^5, 24^2\})$	176128
24	$\mathcal{O}(0; \{2^4, 12^6, 24^2\})$	22016
24	$\mathcal{O}(0; \{3^3, 12^6, 24^2\})$	174592
24	$\mathcal{O}(0; \{2, 4^2, 12^6, 24^2\})$	88064
24	$\mathcal{O}(0; \{2, 3, 6, 12^6, 24^2\})$	87552
24	$\mathcal{O}(0; \{2^{10}, 3, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{2^6, 3^4, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2^2, 3^7, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^7, 3, 4^2, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^4, 3, 4^4, 8, 24^3\})$	6144
24	$\mathcal{O}(0; \{3^4, 4^4, 8, 24^3\})$	43008
24	$\mathcal{O}(0; \{2, 3, 4^6, 8, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^7, 3^2, 6, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^5, 6, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 8, 24^3\})$	5632
24	$\mathcal{O}(0; \{3^5, 4^2, 6, 8, 24^3\})$	43520
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 8, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^8, 6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{3^6, 6^2, 8, 24^3\})$	43648
24	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 8, 24^3\})$	2560

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 8, 24^3\})$	10240
24	$\mathcal{O}(0; \{2^5, 3, 6^3, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 3^4, 6^3, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 8, 24^3\})$	10752
24	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 8, 24^3\})$	10880
24	$\mathcal{O}(0; \{2^3, 6^5, 8, 24^3\})$	5504
24	$\mathcal{O}(0; \{4^2, 6^5, 8, 24^3\})$	22016
24	$\mathcal{O}(0; \{3, 6^6, 8, 24^3\})$	21888
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^3, 24^3\})$	12288
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^3, 24^3\})$	49152
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^3, 24^3\})$	45056
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^3, 24^3\})$	20480
24	$\mathcal{O}(0; \{4^3, 6^2, 8^3, 24^3\})$	81920
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^3, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^3, 3, 8^5, 24^3\})$	98304
24	$\mathcal{O}(0; \{3, 4^2, 8^5, 24^3\})$	393216
24	$\mathcal{O}(0; \{3^2, 6, 8^5, 24^3\})$	360448
24	$\mathcal{O}(0; \{2, 6^2, 8^5, 24^3\})$	163840
24	$\mathcal{O}(0; \{2^8, 4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{3^6, 4, 8, 12, 24^3\})$	87552
24	$\mathcal{O}(0; \{2^5, 4^3, 8, 12, 24^3\})$	6144
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8, 12, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^2, 4^5, 8, 12, 24^3\})$	24576
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8, 12, 24^3\})$	22528
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8, 12, 24^3\})$	22016
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8, 12, 24^3\})$	10752
24	$\mathcal{O}(0; \{4^3, 6^3, 8, 12, 24^3\})$	43008
24	$\mathcal{O}(0; \{3, 4, 6^4, 8, 12, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^6, 8^3, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^2, 3^3, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2^3, 4^2, 8^3, 12, 24^3\})$	49152
24	$\mathcal{O}(0; \{4^4, 8^3, 12, 24^3\})$	196608
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^3, 12, 24^3\})$	45056
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^3, 12, 24^3\})$	180224
24	$\mathcal{O}(0; \{3^2, 6^2, 8^3, 12, 24^3\})$	176128
24	$\mathcal{O}(0; \{2, 6^3, 8^3, 12, 24^3\})$	86016
24	$\mathcal{O}(0; \{2, 4, 8^5, 12, 24^3\})$	393216
24	$\mathcal{O}(0; \{2^5, 3^2, 8, 12^2, 24^3\})$	10752

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^5, 8, 12^2, 24^3\})$	87552
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8, 12^2, 24^3\})$	43008
24	$\mathcal{O}(0; \{2^6, 6, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8, 12^2, 24^3\})$	22528
24	$\mathcal{O}(0; \{4^4, 6, 8, 12^2, 24^3\})$	90112
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8, 12^2, 24^3\})$	22016
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8, 12^2, 24^3\})$	88064
24	$\mathcal{O}(0; \{3^2, 6^3, 8, 12^2, 24^3\})$	87552
24	$\mathcal{O}(0; \{2, 6^4, 8, 12^2, 24^3\})$	43520
24	$\mathcal{O}(0; \{3^2, 4, 8^3, 12^2, 24^3\})$	344064
24	$\mathcal{O}(0; \{2, 4, 6, 8^3, 12^2, 24^3\})$	180224
24	$\mathcal{O}(0; \{2^3, 3, 4, 8, 12^3, 24^3\})$	43008
24	$\mathcal{O}(0; \{3, 4^3, 8, 12^3, 24^3\})$	172032
24	$\mathcal{O}(0; \{3^2, 4, 6, 8, 12^3, 24^3\})$	174080
24	$\mathcal{O}(0; \{2, 4, 6^2, 8, 12^3, 24^3\})$	88064
24	$\mathcal{O}(0; \{2, 3, 8^3, 12^3, 24^3\})$	344064
24	$\mathcal{O}(0; \{2^4, 8, 12^4, 24^3\})$	43008
24	$\mathcal{O}(0; \{3^3, 8, 12^4, 24^3\})$	350208
24	$\mathcal{O}(0; \{2, 4^2, 8, 12^4, 24^3\})$	172032
24	$\mathcal{O}(0; \{2, 3, 6, 8, 12^4, 24^3\})$	174080
24	$\mathcal{O}(0; \{2^7, 3^2, 4, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^5, 4, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 24^4\})$	11264
24	$\mathcal{O}(0; \{3^5, 4^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{2, 3^2, 4^5, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^8, 4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 24^4\})$	11008
24	$\mathcal{O}(0; \{3^6, 4, 6, 24^4\})$	87296
24	$\mathcal{O}(0; \{2^5, 4^3, 6, 24^4\})$	5120
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^2, 4^5, 6, 24^4\})$	20480
24	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 24^4\})$	21504
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 24^4\})$	21760
24	$\mathcal{O}(0; \{2^3, 4, 6^4, 24^4\})$	11008
24	$\mathcal{O}(0; \{4^3, 6^4, 24^4\})$	44032
24	$\mathcal{O}(0; \{3, 4, 6^5, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^5, 3^2, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{2, 3^5, 8^2, 24^4\})$	174080
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{2^6, 6, 8^2, 24^4\})$	10240

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^2, 24^4\})$	40960
24	$\mathcal{O}(0; \{4^4, 6, 8^2, 24^4\})$	163840
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^2, 24^4\})$	43008
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^2, 24^4\})$	172032
24	$\mathcal{O}(0; \{3^2, 6^3, 8^2, 24^4\})$	174080
24	$\mathcal{O}(0; \{2, 6^4, 8^2, 24^4\})$	88064
24	$\mathcal{O}(0; \{3^2, 4, 8^4, 24^4\})$	720896
24	$\mathcal{O}(0; \{2, 4, 6, 8^4, 24^4\})$	327680
24	$\mathcal{O}(0; \{2^8, 3, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^4, 3^4, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{3^7, 12, 24^4\})$	174848
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 12, 24^4\})$	11264
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 12, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 12, 24^4\})$	45056
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{2, 3^5, 6, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 12, 24^4\})$	44032
24	$\mathcal{O}(0; \{2^6, 6^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 12, 24^4\})$	21504
24	$\mathcal{O}(0; \{4^4, 6^2, 12, 24^4\})$	86016
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 12, 24^4\})$	21760
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 12, 24^4\})$	87040
24	$\mathcal{O}(0; \{3^2, 6^4, 12, 24^4\})$	87296
24	$\mathcal{O}(0; \{2, 6^5, 12, 24^4\})$	43776
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 12, 24^4\})$	90112
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 12, 24^4\})$	360448
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 12, 24^4\})$	352256
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 12, 24^4\})$	172032
24	$\mathcal{O}(0; \{2, 3, 8^4, 12, 24^4\})$	720896
24	$\mathcal{O}(0; \{2^6, 4, 12^2, 24^4\})$	11264
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^3, 4^3, 12^2, 24^4\})$	45056
24	$\mathcal{O}(0; \{4^5, 12^2, 24^4\})$	180224
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12^2, 24^4\})$	44032
24	$\mathcal{O}(0; \{3, 4^3, 6, 12^2, 24^4\})$	176128
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 12^2, 24^4\})$	175104
24	$\mathcal{O}(0; \{2, 4, 6^3, 12^2, 24^4\})$	87040
24	$\mathcal{O}(0; \{2^4, 8^2, 12^2, 24^4\})$	90112
24	$\mathcal{O}(0; \{3^3, 8^2, 12^2, 24^4\})$	696320
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12^2, 24^4\})$	360448
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12^2, 24^4\})$	352256

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 12^3, 24^4\})$	87040
24	$\mathcal{O}(0; \{3^2, 4^2, 12^3, 24^4\})$	348160
24	$\mathcal{O}(0; \{2^4, 6, 12^3, 24^4\})$	44032
24	$\mathcal{O}(0; \{3^3, 6, 12^3, 24^4\})$	349184
24	$\mathcal{O}(0; \{2, 4^2, 6, 12^3, 24^4\})$	176128
24	$\mathcal{O}(0; \{2, 3, 6^2, 12^3, 24^4\})$	175104
24	$\mathcal{O}(0; \{2, 3, 4, 12^4, 24^4\})$	348160
24	$\mathcal{O}(0; \{2^2, 12^5, 24^4\})$	348160
24	$\mathcal{O}(0; \{2^6, 4, 8, 24^5\})$	20480
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^3, 4^3, 8, 24^5\})$	81920
24	$\mathcal{O}(0; \{4^5, 8, 24^5\})$	327680
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8, 24^5\})$	86016
24	$\mathcal{O}(0; \{3, 4^3, 6, 8, 24^5\})$	344064
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8, 24^5\})$	348160
24	$\mathcal{O}(0; \{2, 4, 6^3, 8, 24^5\})$	176128
24	$\mathcal{O}(0; \{2^4, 8^3, 24^5\})$	163840
24	$\mathcal{O}(0; \{3^3, 8^3, 24^5\})$	1409024
24	$\mathcal{O}(0; \{2, 4^2, 8^3, 24^5\})$	655360
24	$\mathcal{O}(0; \{2, 3, 6, 8^3, 24^5\})$	688128
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 12, 24^5\})$	176128
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 12, 24^5\})$	704512
24	$\mathcal{O}(0; \{2^4, 6, 8, 12, 24^5\})$	86016
24	$\mathcal{O}(0; \{3^3, 6, 8, 12, 24^5\})$	700416
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 12, 24^5\})$	344064
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 12, 24^5\})$	348160
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12^2, 24^5\})$	704512
24	$\mathcal{O}(0; \{2^2, 8, 12^3, 24^5\})$	704512
24	$\mathcal{O}(0; \{2^6, 3, 24^6\})$	43008
24	$\mathcal{O}(0; \{2^2, 3^4, 24^6\})$	350208
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 24^6\})$	172032
24	$\mathcal{O}(0; \{3, 4^4, 24^6\})$	688128
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 24^6\})$	174080
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 24^6\})$	696320
24	$\mathcal{O}(0; \{2^4, 6^2, 24^6\})$	88064
24	$\mathcal{O}(0; \{3^3, 6^2, 24^6\})$	698368
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 24^6\})$	352256
24	$\mathcal{O}(0; \{2, 3, 6^3, 24^6\})$	350208
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 24^6\})$	1376256
24	$\mathcal{O}(0; \{2^4, 4, 12, 24^6\})$	172032
24	$\mathcal{O}(0; \{3^3, 4, 12, 24^6\})$	1400832
24	$\mathcal{O}(0; \{2, 4^3, 12, 24^6\})$	688128
24	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 24^6\})$	696320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 8^2, 12, 24^6\})$	1376256
24	$\mathcal{O}(0; \{2, 3^2, 12^2, 24^6\})$	1400832
24	$\mathcal{O}(0; \{2^2, 6, 12^2, 24^6\})$	696320
24	$\mathcal{O}(0; \{12^4, 24^6\})$	5603328
24	$\mathcal{O}(0; \{2, 3^2, 8, 24^7\})$	2785280
24	$\mathcal{O}(0; \{2^2, 6, 8, 24^7\})$	1409024
24	$\mathcal{O}(0; \{8, 12^2, 24^7\})$	11141120
24	$\mathcal{O}(0; \{2^2, 4, 24^8\})$	2818048
24	$\mathcal{O}(0; \{8^2, 24^8\})$	22544384
24	$\mathcal{O}(0; \{6, 12, 24^8\})$	11206656
25	$\mathcal{O}(2; \{5^4, 25^2\})$	2000000000
25	$\mathcal{O}(0; \{5^9, 25^2\})$	5242880
25	$\mathcal{O}(0; \{5^3, 25^7\})$	3276000000
26	$\mathcal{O}(3; \{2^2, 13^2\})$	3706989312
26	$\mathcal{O}(3; \{13, 26^2\})$	40776882432
26	$\mathcal{O}(2; \{2^6, 13^2\})$	5483712
26	$\mathcal{O}(2; \{2^4, 13, 26^2\})$	60320832
26	$\mathcal{O}(2; \{2^2, 26^4\})$	729333696
26	$\mathcal{O}(1; \{2^{10}, 13^2\})$	8112
26	$\mathcal{O}(1; \{2^8, 13, 26^2\})$	89232
26	$\mathcal{O}(1; \{2^6, 26^4\})$	1078896
26	$\mathcal{O}(0; \{2^{14}, 13^2\})$	12
26	$\mathcal{O}(0; \{2, 13^8, 26\})$	396906180
26	$\mathcal{O}(0; \{2^{12}, 13, 26^2\})$	132
26	$\mathcal{O}(0; \{2^{10}, 26^4\})$	1596
27	$\mathcal{O}(3; \{3, 27^2\})$	13947137604
27	$\mathcal{O}(2; \{3^4, 27^2\})$	153055008
27	$\mathcal{O}(2; \{9^3, 27^2\})$	2066242608
27	$\mathcal{O}(1; \{3^7, 27^2\})$	1679616
27	$\mathcal{O}(1; \{3^3, 9^3, 27^2\})$	22674816
27	$\mathcal{O}(1; \{9^2, 27^5\})$	1721868840
27	$\mathcal{O}(0; \{3^{10}, 27^2\})$	18432
27	$\mathcal{O}(0; \{3^6, 9^3, 27^2\})$	248832
27	$\mathcal{O}(0; \{3^2, 9^6, 27^2\})$	3359232
27	$\mathcal{O}(0; \{3^3, 9^2, 27^5\})$	18895680
27	$\mathcal{O}(0; \{9, 27^8\})$	2468012004
28	$\mathcal{O}(2; \{2^2, 4^2, 14^2\})$	7375872
28	$\mathcal{O}(2; \{4, 7^2, 14, 28\})$	228652032
28	$\mathcal{O}(2; \{2^3, 14, 28^2\})$	36879360
28	$\mathcal{O}(2; \{4^2, 14, 28^2\})$	147517440
28	$\mathcal{O}(2; \{2, 28^4\})$	914608128
28	$\mathcal{O}(1; \{2, 4^2, 7^4, 14\})$	1740480
28	$\mathcal{O}(1; \{2^6, 4^2, 14^2\})$	9408

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(1; \{2^3, 4^4, 14^2\})$	37632
28	$\mathcal{O}(1; \{4^6, 14^2\})$	150528
28	$\mathcal{O}(1; \{2^4, 4, 7^2, 14, 28\})$	291648
28	$\mathcal{O}(1; \{2, 4^3, 7^2, 14, 28\})$	1166592
28	$\mathcal{O}(1; \{2^2, 4, 7, 14^3, 28\})$	1740480
28	$\mathcal{O}(1; \{4, 14^5, 28\})$	10452288
28	$\mathcal{O}(1; \{2^2, 7^4, 28^2\})$	10452288
28	$\mathcal{O}(1; \{2^7, 14, 28^2\})$	47040
28	$\mathcal{O}(1; \{2^4, 4^2, 14, 28^2\})$	188160
28	$\mathcal{O}(1; \{2, 4^4, 14, 28^2\})$	752640
28	$\mathcal{O}(1; \{7^3, 14^2, 28^2\})$	62704320
28	$\mathcal{O}(1; \{2^2, 4, 7^2, 28^3\})$	6961920
28	$\mathcal{O}(1; \{4, 7, 14^2, 28^3\})$	41809152
28	$\mathcal{O}(1; \{2^5, 28^4\})$	1166592
28	$\mathcal{O}(1; \{2^2, 4^2, 28^4\})$	4666368
28	$\mathcal{O}(0; \{4^2, 7^8\})$	479892
28	$\mathcal{O}(0; \{2^5, 4^2, 7^4, 14\})$	2220
28	$\mathcal{O}(0; \{2^2, 4^4, 7^4, 14\})$	8880
28	$\mathcal{O}(0; \{2^{10}, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{2^7, 4^4, 14^2\})$	48
28	$\mathcal{O}(0; \{2^4, 4^6, 14^2\})$	192
28	$\mathcal{O}(0; \{2, 4^8, 14^2\})$	768
28	$\mathcal{O}(0; \{2^3, 4^2, 7^3, 14^3\})$	13332
28	$\mathcal{O}(0; \{4^4, 7^3, 14^3\})$	53328
28	$\mathcal{O}(0; \{2, 4^2, 7^2, 14^5\})$	79980
28	$\mathcal{O}(0; \{2^3, 4, 7^6, 28\})$	79980
28	$\mathcal{O}(0; \{4^3, 7^6, 28\})$	319920
28	$\mathcal{O}(0; \{2^8, 4, 7^2, 14, 28\})$	372
28	$\mathcal{O}(0; \{2^5, 4^3, 7^2, 14, 28\})$	1488
28	$\mathcal{O}(0; \{2^2, 4^5, 7^2, 14, 28\})$	5952
28	$\mathcal{O}(0; \{2, 4, 7^5, 14^2, 28\})$	479892
28	$\mathcal{O}(0; \{2^6, 4, 7, 14^3, 28\})$	2220
28	$\mathcal{O}(0; \{2^3, 4^3, 7, 14^3, 28\})$	8880
28	$\mathcal{O}(0; \{4^5, 7, 14^3, 28\})$	35520
28	$\mathcal{O}(0; \{2^4, 4, 14^5, 28\})$	13332
28	$\mathcal{O}(0; \{2, 4^3, 14^5, 28\})$	53328
28	$\mathcal{O}(0; \{2^6, 7^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^3, 4^2, 7^4, 28^2\})$	53328
28	$\mathcal{O}(0; \{4^4, 7^4, 28^2\})$	213312
28	$\mathcal{O}(0; \{2^{11}, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{2^8, 4^2, 14, 28^2\})$	240
28	$\mathcal{O}(0; \{2^5, 4^4, 14, 28^2\})$	960
28	$\mathcal{O}(0; \{2^2, 4^6, 14, 28^2\})$	3840

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^4, 7^3, 14^2, 28^2\})$	79980
28	$\mathcal{O}(0; \{2, 4^2, 7^3, 14^2, 28^2\})$	319920
28	$\mathcal{O}(0; \{2^2, 7^2, 14^4, 28^2\})$	479892
28	$\mathcal{O}(0; \{7, 14^6, 28^2\})$	2879340
28	$\mathcal{O}(0; \{2^6, 4, 7^2, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^3, 4^3, 7^2, 28^3\})$	35520
28	$\mathcal{O}(0; \{4^5, 7^2, 28^3\})$	142080
28	$\mathcal{O}(0; \{2^4, 4, 7, 14^2, 28^3\})$	53328
28	$\mathcal{O}(0; \{2, 4^3, 7, 14^2, 28^3\})$	213312
28	$\mathcal{O}(0; \{2^2, 4, 14^4, 28^3\})$	319920
28	$\mathcal{O}(0; \{2^9, 28^4\})$	1488
28	$\mathcal{O}(0; \{2^6, 4^2, 28^4\})$	5952
28	$\mathcal{O}(0; \{2^3, 4^4, 28^4\})$	23808
28	$\mathcal{O}(0; \{4^6, 28^4\})$	95232
28	$\mathcal{O}(0; \{2^2, 7^3, 14, 28^4\})$	1919568
28	$\mathcal{O}(0; \{7^2, 14^3, 28^4\})$	11517360
28	$\mathcal{O}(0; \{2^2, 4, 7, 14, 28^5\})$	1279680
28	$\mathcal{O}(0; \{4, 14^3, 28^5\})$	7678272
28	$\mathcal{O}(0; \{7^3, 28^6\})$	46069440
28	$\mathcal{O}(0; \{4, 7, 28^7\})$	30713088
30	$\mathcal{O}(3; \{30^2\})$	5832000000
30	$\mathcal{O}(2; \{2^2, 3^2, 5^2\})$	6480000
30	$\mathcal{O}(2; \{3, 5^2, 6^2\})$	6480000
30	$\mathcal{O}(2; \{3^2, 5, 10^2\})$	19440000
30	$\mathcal{O}(2; \{2, 3, 10, 15^2\})$	19440000
30	$\mathcal{O}(2; \{2^3, 3, 5, 30\})$	6480000
30	$\mathcal{O}(2; \{3^2, 5, 6, 30\})$	19440000
30	$\mathcal{O}(2; \{2, 5, 6^2, 30\})$	6480000
30	$\mathcal{O}(2; \{2, 3, 10^2, 30\})$	19440000
30	$\mathcal{O}(2; \{2^4, 30^2\})$	6480000
30	$\mathcal{O}(2; \{3^3, 30^2\})$	32400000
30	$\mathcal{O}(2; \{2, 3, 6, 30^2\})$	19440000
30	$\mathcal{O}(1; \{2^6, 3^2, 5^2\})$	7200
30	$\mathcal{O}(1; \{2^2, 3^5, 5^2\})$	36000
30	$\mathcal{O}(1; \{2^3, 3^3, 5^2, 6\})$	21600
30	$\mathcal{O}(1; \{2^4, 3, 5^2, 6^2\})$	7200
30	$\mathcal{O}(1; \{3^4, 5^2, 6^2\})$	79200
30	$\mathcal{O}(1; \{2, 3^2, 5^2, 6^3\})$	36000
30	$\mathcal{O}(1; \{2^2, 5^2, 6^4\})$	21600
30	$\mathcal{O}(1; \{2, 3^2, 5^4, 10\})$	367200
30	$\mathcal{O}(1; \{2^4, 3^2, 5, 10^2\})$	21600
30	$\mathcal{O}(1; \{3^5, 5, 10^2\})$	108000
30	$\mathcal{O}(1; \{2, 3^3, 5, 6, 10^2\})$	64800

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^2, 3, 5, 6^2, 10^2\})$	21600
30	$\mathcal{O}(1; \{5, 6^4, 10^2\})$	64800
30	$\mathcal{O}(1; \{2^2, 3^2, 10^4\})$	93600
30	$\mathcal{O}(1; \{3, 6^2, 10^4\})$	93600
30	$\mathcal{O}(1; \{2, 3^3, 5^2, 10, 15\})$	280800
30	$\mathcal{O}(1; \{2^2, 3, 5^2, 6, 10, 15\})$	93600
30	$\mathcal{O}(1; \{5^2, 6^3, 10, 15\})$	280800
30	$\mathcal{O}(1; \{3, 5, 6, 10^3, 15\})$	367200
30	$\mathcal{O}(1; \{2^2, 3, 5^3, 15^2\})$	367200
30	$\mathcal{O}(1; \{5^3, 6^2, 15^2\})$	1101600
30	$\mathcal{O}(1; \{2^5, 3, 10, 15^2\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 10, 15^2\})$	237600
30	$\mathcal{O}(1; \{2^2, 3^2, 6, 10, 15^2\})$	108000
30	$\mathcal{O}(1; \{2^3, 6^2, 10, 15^2\})$	64800
30	$\mathcal{O}(1; \{3, 6^3, 10, 15^2\})$	237600
30	$\mathcal{O}(1; \{3, 5^2, 10^2, 15^2\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 15^3\})$	468000
30	$\mathcal{O}(1; \{2^3, 5, 6, 15^3\})$	280800
30	$\mathcal{O}(1; \{3, 5, 6^2, 15^3\})$	1029600
30	$\mathcal{O}(1; \{3^2, 10^2, 15^3\})$	1836000
30	$\mathcal{O}(1; \{2, 6, 10^2, 15^3\})$	1101600
30	$\mathcal{O}(1; \{2, 5, 10, 15^4\})$	4428000
30	$\mathcal{O}(1; \{2^7, 3, 5, 30\})$	7200
30	$\mathcal{O}(1; \{2^3, 3^4, 5, 30\})$	36000
30	$\mathcal{O}(1; \{2^4, 3^2, 5, 6, 30\})$	21600
30	$\mathcal{O}(1; \{3^5, 5, 6, 30\})$	151200
30	$\mathcal{O}(1; \{2^5, 5, 6^2, 30\})$	7200
30	$\mathcal{O}(1; \{2, 3^3, 5, 6^2, 30\})$	79200
30	$\mathcal{O}(1; \{2^2, 3, 5, 6^3, 30\})$	36000
30	$\mathcal{O}(1; \{5, 6^5, 30\})$	79200
30	$\mathcal{O}(1; \{2^2, 3, 5^3, 10, 30\})$	367200
30	$\mathcal{O}(1; \{5^3, 6^2, 10, 30\})$	367200
30	$\mathcal{O}(1; \{2^5, 3, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 10^2, 30\})$	108000
30	$\mathcal{O}(1; \{2^2, 3^2, 6, 10^2, 30\})$	64800
30	$\mathcal{O}(1; \{2^3, 6^2, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{3, 6^3, 10^2, 30\})$	108000
30	$\mathcal{O}(1; \{3, 5^2, 10^3, 30\})$	1476000
30	$\mathcal{O}(1; \{5^4, 6, 15, 30\})$	1476000
30	$\mathcal{O}(1; \{2^2, 3^2, 5, 10, 15, 30\})$	280800
30	$\mathcal{O}(1; \{2^3, 5, 6, 10, 15, 30\})$	93600
30	$\mathcal{O}(1; \{3, 5, 6^2, 10, 15, 30\})$	468000
30	$\mathcal{O}(1; \{3^2, 10^3, 15, 30\})$	1101600

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2, 6, 10^3, 15, 30\})$	367200
30	$\mathcal{O}(1; \{2^3, 5^2, 15^2, 30\})$	367200
30	$\mathcal{O}(1; \{3, 5^2, 6, 15^2, 30\})$	1836000
30	$\mathcal{O}(1; \{2, 5, 10^2, 15^2, 30\})$	1476000
30	$\mathcal{O}(1; \{2^3, 3, 15^3, 30\})$	468000
30	$\mathcal{O}(1; \{3^2, 6, 15^3, 30\})$	1965600
30	$\mathcal{O}(1; \{2, 6^2, 15^3, 30\})$	1029600
30	$\mathcal{O}(1; \{2^8, 30^2\})$	7200
30	$\mathcal{O}(1; \{2^4, 3^3, 30^2\})$	36000
30	$\mathcal{O}(1; \{3^6, 30^2\})$	309600
30	$\mathcal{O}(1; \{5^5, 30^2\})$	5896800
30	$\mathcal{O}(1; \{2^5, 3, 6, 30^2\})$	21600
30	$\mathcal{O}(1; \{2, 3^4, 6, 30^2\})$	151200
30	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 30^2\})$	79200
30	$\mathcal{O}(1; \{2^3, 6^3, 30^2\})$	36000
30	$\mathcal{O}(1; \{3, 6^4, 30^2\})$	151200
30	$\mathcal{O}(1; \{2^3, 5^2, 10, 30^2\})$	367200
30	$\mathcal{O}(1; \{3, 5^2, 6, 10, 30^2\})$	1101600
30	$\mathcal{O}(1; \{2, 5, 10^3, 30^2\})$	1476000
30	$\mathcal{O}(1; \{3, 5^3, 15, 30^2\})$	4428000
30	$\mathcal{O}(1; \{2^3, 3, 10, 15, 30^2\})$	280800
30	$\mathcal{O}(1; \{3^2, 6, 10, 15, 30^2\})$	1029600
30	$\mathcal{O}(1; \{2, 6^2, 10, 15, 30^2\})$	468000
30	$\mathcal{O}(1; \{3^2, 5, 15^2, 30^2\})$	4039200
30	$\mathcal{O}(1; \{2, 5, 6, 15^2, 30^2\})$	1836000
30	$\mathcal{O}(1; \{3^2, 5, 10, 30^3\})$	1836000
30	$\mathcal{O}(1; \{2, 5, 6, 10, 30^3\})$	1101600
30	$\mathcal{O}(1; \{2, 5^2, 15, 30^3\})$	4428000
30	$\mathcal{O}(1; \{2, 3, 15^2, 30^3\})$	4039200
30	$\mathcal{O}(1; \{2, 3, 10, 30^4\})$	1836000
30	$\mathcal{O}(0; \{2^{10}, 3^2, 5^2\})$	8
30	$\mathcal{O}(0; \{2^6, 3^5, 5^2\})$	40
30	$\mathcal{O}(0; \{2^2, 3^8, 5^2\})$	344
30	$\mathcal{O}(0; \{2^2, 3^2, 5^7\})$	6552
30	$\mathcal{O}(0; \{2^7, 3^3, 5^2, 6\})$	24
30	$\mathcal{O}(0; \{2^3, 3^6, 5^2, 6\})$	168
30	$\mathcal{O}(0; \{2^8, 3, 5^2, 6^2\})$	8
30	$\mathcal{O}(0; \{2^4, 3^4, 5^2, 6^2\})$	88
30	$\mathcal{O}(0; \{3^7, 5^2, 6^2\})$	680
30	$\mathcal{O}(0; \{3, 5^7, 6^2\})$	6552
30	$\mathcal{O}(0; \{2^5, 3^2, 5^2, 6^3\})$	40
30	$\mathcal{O}(0; \{2, 3^5, 5^2, 6^3\})$	344
30	$\mathcal{O}(0; \{2^6, 5^2, 6^4\})$	24

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 6^4\})$	168
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6^5\})$	88
30	$\mathcal{O}(0; \{3^2, 5^2, 6^6\})$	344
30	$\mathcal{O}(0; \{2, 5^2, 6^7\})$	168
30	$\mathcal{O}(0; \{2^5, 3^2, 5^4, 10\})$	408
30	$\mathcal{O}(0; \{2, 3^5, 5^4, 10\})$	2040
30	$\mathcal{O}(0; \{2^2, 3^3, 5^4, 6, 10\})$	1224
30	$\mathcal{O}(0; \{2^3, 3, 5^4, 6^2, 10\})$	408
30	$\mathcal{O}(0; \{3^2, 5^4, 6^3, 10\})$	2040
30	$\mathcal{O}(0; \{2, 5^4, 6^4, 10\})$	1224
30	$\mathcal{O}(0; \{2^8, 3^2, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{2^4, 3^5, 5, 10^2\})$	120
30	$\mathcal{O}(0; \{3^8, 5, 10^2\})$	1032
30	$\mathcal{O}(0; \{3^2, 5^6, 10^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 3^3, 5, 6, 10^2\})$	72
30	$\mathcal{O}(0; \{2, 3^6, 5, 6, 10^2\})$	504
30	$\mathcal{O}(0; \{2^6, 3, 5, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^4, 5, 6^2, 10^2\})$	264
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 6^3, 10^2\})$	120
30	$\mathcal{O}(0; \{2^4, 5, 6^4, 10^2\})$	72
30	$\mathcal{O}(0; \{3^3, 5, 6^4, 10^2\})$	504
30	$\mathcal{O}(0; \{2, 3, 5, 6^5, 10^2\})$	264
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 10^3\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^3, 6, 10^3\})$	4920
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^2, 10^3\})$	1640
30	$\mathcal{O}(0; \{2^6, 3^2, 10^4\})$	104
30	$\mathcal{O}(0; \{2^2, 3^5, 10^4\})$	520
30	$\mathcal{O}(0; \{2^3, 3^3, 6, 10^4\})$	312
30	$\mathcal{O}(0; \{2^4, 3, 6^2, 10^4\})$	104
30	$\mathcal{O}(0; \{3^4, 6^2, 10^4\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 6^3, 10^4\})$	520
30	$\mathcal{O}(0; \{2^2, 6^4, 10^4\})$	312
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 10^5\})$	6552
30	$\mathcal{O}(0; \{2^2, 3^3, 5^5, 15\})$	4920
30	$\mathcal{O}(0; \{2^3, 3, 5^5, 6, 15\})$	1640
30	$\mathcal{O}(0; \{3^2, 5^5, 6^2, 15\})$	8200
30	$\mathcal{O}(0; \{2, 5^5, 6^3, 15\})$	4920
30	$\mathcal{O}(0; \{2^5, 3^3, 5^2, 10, 15\})$	312
30	$\mathcal{O}(0; \{2, 3^6, 5^2, 10, 15\})$	2184
30	$\mathcal{O}(0; \{2^6, 3, 5^2, 6, 10, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 5^2, 6, 10, 15\})$	1144
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 6^2, 10, 15\})$	520
30	$\mathcal{O}(0; \{2^4, 5^2, 6^3, 10, 15\})$	312

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^3, 5^2, 6^3, 10, 15\})$	2184
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^4, 10, 15\})$	1144
30	$\mathcal{O}(0; \{3^3, 5^4, 10^2, 15\})$	19656
30	$\mathcal{O}(0; \{2, 3, 5^4, 6, 10^2, 15\})$	6552
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 10^3, 15\})$	1224
30	$\mathcal{O}(0; \{2^4, 3, 5, 6, 10^3, 15\})$	408
30	$\mathcal{O}(0; \{3^4, 5, 6, 10^3, 15\})$	4488
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^2, 10^3, 15\})$	2040
30	$\mathcal{O}(0; \{2^2, 5, 6^3, 10^3, 15\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 10^5, 15\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 6, 10^5, 15\})$	1640
30	$\mathcal{O}(0; \{6^3, 10^5, 15\})$	4920
30	$\mathcal{O}(0; \{2^6, 3, 5^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6, 15^2\})$	2040
30	$\mathcal{O}(0; \{2^4, 5^3, 6^2, 15^2\})$	1224
30	$\mathcal{O}(0; \{3^3, 5^3, 6^2, 15^2\})$	8568
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^3, 15^2\})$	4488
30	$\mathcal{O}(0; \{2^9, 3, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2^5, 3^4, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{2, 3^7, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{2, 3, 5^5, 10, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 6, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3^5, 6, 10, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^7, 6^2, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 10, 15^2\})$	504
30	$\mathcal{O}(0; \{2^4, 3, 6^3, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{3^4, 6^3, 10, 15^2\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 6^4, 10, 15^2\})$	1032
30	$\mathcal{O}(0; \{2^2, 6^5, 10, 15^2\})$	504
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 10^2, 15^2\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^2, 10^2, 15^2\})$	18040
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6, 10^2, 15^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 5^2, 6^2, 10^2, 15^2\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 5, 10^4, 15^2\})$	6552
30	$\mathcal{O}(0; \{5, 6^2, 10^4, 15^2\})$	19656
30	$\mathcal{O}(0; \{3, 10^6, 15^2\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 15^3\})$	520
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^7, 5, 6, 15^3\})$	312
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6, 15^3\})$	2184
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^2, 15^3\})$	1144
30	$\mathcal{O}(0; \{3^4, 5, 6^2, 15^3\})$	8840

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^3, 15^3\})$	4472
30	$\mathcal{O}(0; \{2^2, 5, 6^4, 15^3\})$	2184
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 10, 15^3\})$	32760
30	$\mathcal{O}(0; \{2^2, 5^3, 6, 10, 15^3\})$	19656
30	$\mathcal{O}(0; \{2^4, 3^2, 10^2, 15^3\})$	2040
30	$\mathcal{O}(0; \{3^5, 10^2, 15^3\})$	17544
30	$\mathcal{O}(0; \{2^5, 6, 10^2, 15^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 6, 10^2, 15^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 10^2, 15^3\})$	4488
30	$\mathcal{O}(0; \{6^4, 10^2, 15^3\})$	8568
30	$\mathcal{O}(0; \{5^2, 6, 10^3, 15^3\})$	78648
30	$\mathcal{O}(0; \{2^2, 5^4, 15^4\})$	78648
30	$\mathcal{O}(0; \{2^5, 5, 10, 15^4\})$	4920
30	$\mathcal{O}(0; \{2, 3^3, 5, 10, 15^4\})$	34440
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10, 15^4\})$	18040
30	$\mathcal{O}(0; \{5, 6^3, 10, 15^4\})$	34440
30	$\mathcal{O}(0; \{5^3, 10^2, 15^4\})$	314568
30	$\mathcal{O}(0; \{2^3, 10^3, 15^4\})$	19656
30	$\mathcal{O}(0; \{3, 6, 10^3, 15^4\})$	72072
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 15^5\})$	72072
30	$\mathcal{O}(0; \{5^2, 6^2, 15^5\})$	137592
30	$\mathcal{O}(0; \{3, 5, 10^2, 15^5\})$	288376
30	$\mathcal{O}(0; \{2^2, 3^2, 15^6\})$	70520
30	$\mathcal{O}(0; \{2^3, 6, 15^6\})$	34440
30	$\mathcal{O}(0; \{3, 6^2, 15^6\})$	139400
30	$\mathcal{O}(0; \{2, 10, 15^7\})$	550536
30	$\mathcal{O}(0; \{2^{11}, 3, 5, 30\})$	8
30	$\mathcal{O}(0; \{2^7, 3^4, 5, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 3^7, 5, 30\})$	344
30	$\mathcal{O}(0; \{2^3, 3, 5^6, 30\})$	6552
30	$\mathcal{O}(0; \{2^8, 3^2, 5, 6, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3^5, 5, 6, 30\})$	168
30	$\mathcal{O}(0; \{3^8, 5, 6, 30\})$	1368
30	$\mathcal{O}(0; \{3^2, 5^6, 6, 30\})$	19656
30	$\mathcal{O}(0; \{2^9, 5, 6^2, 30\})$	8
30	$\mathcal{O}(0; \{2^5, 3^3, 5, 6^2, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^6, 5, 6^2, 30\})$	680
30	$\mathcal{O}(0; \{2, 5^6, 6^2, 30\})$	6552
30	$\mathcal{O}(0; \{2^6, 3, 5, 6^3, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^4, 5, 6^3, 30\})$	344
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 6^4, 30\})$	168
30	$\mathcal{O}(0; \{2^4, 5, 6^5, 30\})$	88
30	$\mathcal{O}(0; \{3^3, 5, 6^5, 30\})$	680

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3, 5, 6^6, 30\})$	344
30	$\mathcal{O}(0; \{2^6, 3, 5^3, 10, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^4, 5^3, 10, 30\})$	2040
30	$\mathcal{O}(0; \{2^3, 3^2, 5^3, 6, 10, 30\})$	1224
30	$\mathcal{O}(0; \{2^4, 5^3, 6^2, 10, 30\})$	408
30	$\mathcal{O}(0; \{3^3, 5^3, 6^2, 10, 30\})$	4488
30	$\mathcal{O}(0; \{2, 3, 5^3, 6^3, 10, 30\})$	2040
30	$\mathcal{O}(0; \{2^9, 3, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^5, 3^4, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^7, 10^2, 30\})$	1032
30	$\mathcal{O}(0; \{2, 3, 5^5, 10^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^6, 3^2, 6, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3^5, 6, 10^2, 30\})$	504
30	$\mathcal{O}(0; \{2^7, 6^2, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 10^2, 30\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 6^3, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{3^4, 6^3, 10^2, 30\})$	1032
30	$\mathcal{O}(0; \{2, 3^2, 6^4, 10^2, 30\})$	504
30	$\mathcal{O}(0; \{2^2, 6^5, 10^2, 30\})$	264
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 10^3, 30\})$	1640
30	$\mathcal{O}(0; \{3^4, 5^2, 10^3, 30\})$	8200
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6, 10^3, 30\})$	4920
30	$\mathcal{O}(0; \{2^2, 5^2, 6^2, 10^3, 30\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5, 10^5, 30\})$	6552
30	$\mathcal{O}(0; \{5, 6^2, 10^5, 30\})$	6552
30	$\mathcal{O}(0; \{3, 10^7, 30\})$	26216
30	$\mathcal{O}(0; \{2^3, 3^2, 5^4, 15, 30\})$	4920
30	$\mathcal{O}(0; \{2^4, 5^4, 6, 15, 30\})$	1640
30	$\mathcal{O}(0; \{3^3, 5^4, 6, 15, 30\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5^4, 6^2, 15, 30\})$	8200
30	$\mathcal{O}(0; \{2^6, 3^2, 5, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 3^5, 5, 10, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^7, 5, 6, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 6, 10, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2^4, 3, 5, 6^2, 10, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^4, 5, 6^2, 10, 15, 30\})$	4472
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^3, 10, 15, 30\})$	2184
30	$\mathcal{O}(0; \{2^2, 5, 6^4, 10, 15, 30\})$	1144
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 10^2, 15, 30\})$	19656
30	$\mathcal{O}(0; \{2^2, 5^3, 6, 10^2, 15, 30\})$	6552
30	$\mathcal{O}(0; \{2^4, 3^2, 10^3, 15, 30\})$	1224
30	$\mathcal{O}(0; \{3^5, 10^3, 15, 30\})$	8568
30	$\mathcal{O}(0; \{2^5, 6, 10^3, 15, 30\})$	408

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^3, 6, 10^3, 15, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 10^3, 15, 30\})$	2040
30	$\mathcal{O}(0; \{6^4, 10^3, 15, 30\})$	4488
30	$\mathcal{O}(0; \{5^2, 6, 10^4, 15, 30\})$	26216
30	$\mathcal{O}(0; \{2^7, 5^2, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{3^4, 5^2, 6, 15^2, 30\})$	17544
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^2, 15^2, 30\})$	8568
30	$\mathcal{O}(0; \{2^2, 5^2, 6^3, 15^2, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 5^4, 10, 15^2, 30\})$	26216
30	$\mathcal{O}(0; \{2^5, 5, 10^2, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5, 10^2, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10^2, 15^2, 30\})$	8200
30	$\mathcal{O}(0; \{5, 6^3, 10^2, 15^2, 30\})$	18040
30	$\mathcal{O}(0; \{5^3, 10^3, 15^2, 30\})$	104856
30	$\mathcal{O}(0; \{2^3, 10^4, 15^2, 30\})$	6552
30	$\mathcal{O}(0; \{3, 6, 10^4, 15^2, 30\})$	32760
30	$\mathcal{O}(0; \{2^7, 3, 15^3, 30\})$	520
30	$\mathcal{O}(0; \{2^3, 3^4, 15^3, 30\})$	4472
30	$\mathcal{O}(0; \{2^4, 3^2, 6, 15^3, 30\})$	2184
30	$\mathcal{O}(0; \{3^5, 6, 15^3, 30\})$	17784
30	$\mathcal{O}(0; \{2^5, 6^2, 15^3, 30\})$	1144
30	$\mathcal{O}(0; \{2, 3^3, 6^2, 15^3, 30\})$	8840
30	$\mathcal{O}(0; \{2^2, 3, 6^3, 15^3, 30\})$	4472
30	$\mathcal{O}(0; \{6^5, 15^3, 30\})$	8840
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10, 15^3, 30\})$	32760
30	$\mathcal{O}(0; \{5^2, 6^2, 10, 15^3, 30\})$	72072
30	$\mathcal{O}(0; \{3, 5, 10^3, 15^3, 30\})$	131080
30	$\mathcal{O}(0; \{5^3, 6, 15^4, 30\})$	288376
30	$\mathcal{O}(0; \{2^2, 3^2, 10, 15^4, 30\})$	34440
30	$\mathcal{O}(0; \{2^3, 6, 10, 15^4, 30\})$	18040
30	$\mathcal{O}(0; \{3, 6^2, 10, 15^4, 30\})$	70520
30	$\mathcal{O}(0; \{2^3, 5, 15^5, 30\})$	72072
30	$\mathcal{O}(0; \{3, 5, 6, 15^5, 30\})$	281736
30	$\mathcal{O}(0; \{2, 10^2, 15^5, 30\})$	288376
30	$\mathcal{O}(0; \{2^{12}, 30^2\})$	8
30	$\mathcal{O}(0; \{2^8, 3^3, 30^2\})$	40
30	$\mathcal{O}(0; \{2^4, 3^6, 30^2\})$	344
30	$\mathcal{O}(0; \{3^9, 30^2\})$	2728
30	$\mathcal{O}(0; \{2^4, 5^5, 30^2\})$	6552
30	$\mathcal{O}(0; \{3^3, 5^5, 30^2\})$	32760
30	$\mathcal{O}(0; \{2^9, 3, 6, 30^2\})$	24

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^5, 3^4, 6, 30^2\})$	168
30	$\mathcal{O}(0; \{2, 3^7, 6, 30^2\})$	1368
30	$\mathcal{O}(0; \{2, 3, 5^5, 6, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 30^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 30^2\})$	680
30	$\mathcal{O}(0; \{2^7, 6^3, 30^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 30^2\})$	344
30	$\mathcal{O}(0; \{2^4, 3, 6^4, 30^2\})$	168
30	$\mathcal{O}(0; \{3^4, 6^4, 30^2\})$	1368
30	$\mathcal{O}(0; \{2, 3^2, 6^5, 30^2\})$	680
30	$\mathcal{O}(0; \{2^2, 6^6, 30^2\})$	344
30	$\mathcal{O}(0; \{2^7, 5^2, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 10, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6, 10, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^4, 5^2, 6, 10, 30^2\})$	8568
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^2, 10, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^2, 5^2, 6^3, 10, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^4, 10^2, 30^2\})$	26216
30	$\mathcal{O}(0; \{2^5, 5, 10^3, 30^2\})$	1640
30	$\mathcal{O}(0; \{2, 3^3, 5, 10^3, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10^3, 30^2\})$	4920
30	$\mathcal{O}(0; \{5, 6^3, 10^3, 30^2\})$	8200
30	$\mathcal{O}(0; \{5^3, 10^4, 30^2\})$	104856
30	$\mathcal{O}(0; \{2^3, 10^5, 30^2\})$	6552
30	$\mathcal{O}(0; \{3, 6, 10^5, 30^2\})$	19656
30	$\mathcal{O}(0; \{2^4, 3, 5^3, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{3^4, 5^3, 15, 30^2\})$	34440
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6, 15, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^2, 5^3, 6^2, 15, 30^2\})$	8200
30	$\mathcal{O}(0; \{2^7, 3, 10, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{2^3, 3^4, 10, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{2^4, 3^2, 6, 10, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{3^5, 6, 10, 15, 30^2\})$	8840
30	$\mathcal{O}(0; \{2^5, 6^2, 10, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 3^3, 6^2, 10, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 6^3, 10, 15, 30^2\})$	2184
30	$\mathcal{O}(0; \{6^5, 10, 15, 30^2\})$	4472
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10^2, 15, 30^2\})$	19656
30	$\mathcal{O}(0; \{5^2, 6^2, 10^2, 15, 30^2\})$	32760
30	$\mathcal{O}(0; \{3, 5, 10^4, 15, 30^2\})$	78648
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 15^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{3^5, 5, 15^2, 30^2\})$	34680
30	$\mathcal{O}(0; \{2^5, 5, 6, 15^2, 30^2\})$	2040

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 15^2, 30^2\})$	8568
30	$\mathcal{O}(0; \{5, 6^4, 15^2, 30^2\})$	17544
30	$\mathcal{O}(0; \{5^3, 6, 10, 15^2, 30^2\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 10^2, 15^2, 30^2\})$	18040
30	$\mathcal{O}(0; \{2^3, 6, 10^2, 15^2, 30^2\})$	8200
30	$\mathcal{O}(0; \{3, 6^2, 10^2, 15^2, 30^2\})$	34440
30	$\mathcal{O}(0; \{5^4, 15^3, 30^2\})$	524280
30	$\mathcal{O}(0; \{2^3, 5, 10, 15^3, 30^2\})$	32760
30	$\mathcal{O}(0; \{3, 5, 6, 10, 15^3, 30^2\})$	137592
30	$\mathcal{O}(0; \{2, 10^3, 15^3, 30^2\})$	131080
30	$\mathcal{O}(0; \{3, 5^2, 15^4, 30^2\})$	550536
30	$\mathcal{O}(0; \{3^2, 15^5, 30^2\})$	556920
30	$\mathcal{O}(0; \{2, 6, 15^5, 30^2\})$	281736
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 30^3\})$	32760
30	$\mathcal{O}(0; \{2^2, 5^4, 6, 30^3\})$	19656
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10, 30^3\})$	2040
30	$\mathcal{O}(0; \{3^5, 5, 10, 30^3\})$	17544
30	$\mathcal{O}(0; \{2^5, 5, 6, 10, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10, 30^3\})$	8568
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10, 30^3\})$	4488
30	$\mathcal{O}(0; \{5, 6^4, 10, 30^3\})$	8568
30	$\mathcal{O}(0; \{5^3, 6, 10^2, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^2, 3^2, 10^3, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^3, 6, 10^3, 30^3\})$	4920
30	$\mathcal{O}(0; \{3, 6^2, 10^3, 30^3\})$	18040
30	$\mathcal{O}(0; \{2^5, 5^2, 15, 30^3\})$	4920
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 15, 30^3\})$	18040
30	$\mathcal{O}(0; \{5^2, 6^3, 15, 30^3\})$	34440
30	$\mathcal{O}(0; \{5^4, 10, 15, 30^3\})$	314568
30	$\mathcal{O}(0; \{2^3, 5, 10^2, 15, 30^3\})$	19656
30	$\mathcal{O}(0; \{3, 5, 6, 10^2, 15, 30^3\})$	72072
30	$\mathcal{O}(0; \{2, 10^4, 15, 30^3\})$	78648
30	$\mathcal{O}(0; \{2^5, 3, 15^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 3^4, 15^2, 30^3\})$	34680
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 15^2, 30^3\})$	17544
30	$\mathcal{O}(0; \{2^3, 6^2, 15^2, 30^3\})$	8568
30	$\mathcal{O}(0; \{3, 6^3, 15^2, 30^3\})$	34680
30	$\mathcal{O}(0; \{3, 5^2, 10, 15^2, 30^3\})$	288376
30	$\mathcal{O}(0; \{3^2, 10, 15^3, 30^3\})$	281736
30	$\mathcal{O}(0; \{2, 6, 10, 15^3, 30^3\})$	137592
30	$\mathcal{O}(0; \{2, 5, 15^4, 30^3\})$	550536

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 30^4\})$	32760
30	$\mathcal{O}(0; \{5^3, 6^2, 30^4\})$	72072
30	$\mathcal{O}(0; \{2^5, 3, 10, 30^4\})$	2040
30	$\mathcal{O}(0; \{2, 3^4, 10, 30^4\})$	17544
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10, 30^4\})$	8568
30	$\mathcal{O}(0; \{2^3, 6^2, 10, 30^4\})$	4488
30	$\mathcal{O}(0; \{3, 6^3, 10, 30^4\})$	17544
30	$\mathcal{O}(0; \{3, 5^2, 10^2, 30^4\})$	131080
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 15, 30^4\})$	34440
30	$\mathcal{O}(0; \{2^3, 5, 6, 15, 30^4\})$	18040
30	$\mathcal{O}(0; \{3, 5, 6^2, 15, 30^4\})$	70520
30	$\mathcal{O}(0; \{3^2, 10^2, 15, 30^4\})$	137592
30	$\mathcal{O}(0; \{2, 6, 10^2, 15, 30^4\})$	72072
30	$\mathcal{O}(0; \{2, 5, 10, 15^2, 30^4\})$	288376
30	$\mathcal{O}(0; \{2^3, 5^2, 30^5\})$	32760
30	$\mathcal{O}(0; \{3, 5^2, 6, 30^5\})$	137592
30	$\mathcal{O}(0; \{2, 5, 10^2, 30^5\})$	131080
30	$\mathcal{O}(0; \{2^3, 3, 15, 30^5\})$	34440
30	$\mathcal{O}(0; \{3^2, 6, 15, 30^5\})$	139400
30	$\mathcal{O}(0; \{2, 6^2, 15, 30^5\})$	70520
30	$\mathcal{O}(0; \{3^2, 5, 30^6\})$	281736
30	$\mathcal{O}(0; \{2, 5, 6, 30^6\})$	137592
30	$\mathcal{O}(0; \{2, 3, 30^7\})$	281736
31	$\mathcal{O}(0; \{31^8\})$	21164516130
32	$\mathcal{O}(2; \{4, 8, 32^2\})$	134217728
32	$\mathcal{O}(1; \{2^4, 4, 8, 32^2\})$	131072
32	$\mathcal{O}(1; \{2, 4^3, 8, 32^2\})$	524288
32	$\mathcal{O}(1; \{2^2, 8^3, 32^2\})$	1048576
32	$\mathcal{O}(1; \{2^2, 4, 16^2, 32^2\})$	2097152
32	$\mathcal{O}(1; \{8^2, 16^2, 32^2\})$	16777216
32	$\mathcal{O}(1; \{4, 16, 32^4\})$	67108864
32	$\mathcal{O}(0; \{2^8, 4, 8, 32^2\})$	128
32	$\mathcal{O}(0; \{2^5, 4^3, 8, 32^2\})$	512
32	$\mathcal{O}(0; \{2^2, 4^5, 8, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^6, 8^3, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^3, 4^2, 8^3, 32^2\})$	4096
32	$\mathcal{O}(0; \{4^4, 8^3, 32^2\})$	16384
32	$\mathcal{O}(0; \{2, 4, 8^5, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^6, 4, 16^2, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^3, 4^3, 16^2, 32^2\})$	8192
32	$\mathcal{O}(0; \{4^5, 16^2, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^4, 8^2, 16^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{2, 4^2, 8^2, 16^2, 32^2\})$	65536

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(0; \{2^2, 8, 16^4, 32^2\})$	262144
32	$\mathcal{O}(0; \{16^6, 32^2\})$	4194304
32	$\mathcal{O}(0; \{2^4, 4, 16, 32^4\})$	65536
32	$\mathcal{O}(0; \{2, 4^3, 16, 32^4\})$	262144
32	$\mathcal{O}(0; \{2^2, 8^2, 16, 32^4\})$	524288
32	$\mathcal{O}(0; \{8, 16^3, 32^4\})$	8388608
32	$\mathcal{O}(0; \{2^2, 4, 32^6\})$	2097152
32	$\mathcal{O}(0; \{8^2, 32^6\})$	16777216
33	$\mathcal{O}(1; \{3^4, 11^3\})$	588060
33	$\mathcal{O}(1; \{3, 11^2, 33^3\})$	59394060
33	$\mathcal{O}(0; \{3^7, 11^3\})$	3780
33	$\mathcal{O}(0; \{11^6, 33^2\})$	18181820
33	$\mathcal{O}(0; \{3^4, 11^2, 33^3\})$	381780
33	$\mathcal{O}(0; \{3, 11, 33^6\})$	38181780
34	$\mathcal{O}(1; \{2, 17^4, 34\})$	71302080
34	$\mathcal{O}(0; \{2^5, 17^4, 34\})$	61680
34	$\mathcal{O}(0; \{2^3, 17^3, 34^3\})$	986896
34	$\mathcal{O}(0; \{2, 17^2, 34^5\})$	15790320
35	$\mathcal{O}(1; \{5^3, 7^2, 35\})$	1911000
35	$\mathcal{O}(0; \{7^6, 35^2\})$	959784
35	$\mathcal{O}(0; \{5^2, 7^3, 35^3\})$	1359864
35	$\mathcal{O}(0; \{5^4, 35^4\})$	2438088
36	$\mathcal{O}(2; \{2^2, 36^2\})$	20155392
36	$\mathcal{O}(1; \{2^2, 3, 4^2, 9^2\})$	31104
36	$\mathcal{O}(1; \{4^2, 6^2, 9^2\})$	62208
36	$\mathcal{O}(1; \{2^3, 4, 9^2, 12\})$	31104
36	$\mathcal{O}(1; \{4^3, 9^2, 12\})$	124416
36	$\mathcal{O}(1; \{3, 4, 6, 9^2, 12\})$	124416
36	$\mathcal{O}(1; \{3^2, 9^2, 12^2\})$	248832
36	$\mathcal{O}(1; \{2, 6, 9^2, 12^2\})$	124416
36	$\mathcal{O}(1; \{3, 4^2, 9, 18^2\})$	93312
36	$\mathcal{O}(1; \{2, 4, 9, 12, 18^2\})$	93312
36	$\mathcal{O}(1; \{2^2, 3^2, 4, 9, 36\})$	62208
36	$\mathcal{O}(1; \{2^3, 4, 6, 9, 36\})$	31104
36	$\mathcal{O}(1; \{4^3, 6, 9, 36\})$	124416
36	$\mathcal{O}(1; \{3, 4, 6^2, 9, 36\})$	124416
36	$\mathcal{O}(1; \{2^3, 3, 9, 12, 36\})$	62208
36	$\mathcal{O}(1; \{3, 4^2, 9, 12, 36\})$	248832
36	$\mathcal{O}(1; \{3^2, 6, 9, 12, 36\})$	248832
36	$\mathcal{O}(1; \{2, 6^2, 9, 12, 36\})$	124416
36	$\mathcal{O}(1; \{2, 4, 9, 12^2, 36\})$	248832
36	$\mathcal{O}(1; \{2, 4, 9^2, 18, 36\})$	419904
36	$\mathcal{O}(1; \{3^2, 4, 18^2, 36\})$	186624

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{2, 4, 6, 18^2, 36\})$	93312
36	$\mathcal{O}(1; \{2, 3, 12, 18^2, 36\})$	186624
36	$\mathcal{O}(1; \{2^6, 36^2\})$	15552
36	$\mathcal{O}(1; \{2^2, 3^3, 36^2\})$	124416
36	$\mathcal{O}(1; \{2^3, 4^2, 36^2\})$	62208
36	$\mathcal{O}(1; \{4^4, 36^2\})$	248832
36	$\mathcal{O}(1; \{2^3, 3, 6, 36^2\})$	62208
36	$\mathcal{O}(1; \{3, 4^2, 6, 36^2\})$	248832
36	$\mathcal{O}(1; \{3^2, 6^2, 36^2\})$	248832
36	$\mathcal{O}(1; \{2, 6^3, 36^2\})$	124416
36	$\mathcal{O}(1; \{3^2, 4, 12, 36^2\})$	497664
36	$\mathcal{O}(1; \{2, 4, 6, 12, 36^2\})$	248832
36	$\mathcal{O}(1; \{2, 3, 12^2, 36^2\})$	497664
36	$\mathcal{O}(1; \{2, 3, 9, 18, 36^2\})$	839808
36	$\mathcal{O}(0; \{2^6, 3, 4^2, 9^2\})$	24
36	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 9^2\})$	192
36	$\mathcal{O}(0; \{2^3, 3, 4^4, 9^2\})$	96
36	$\mathcal{O}(0; \{3, 4^6, 9^2\})$	384
36	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 9^2\})$	96
36	$\mathcal{O}(0; \{3^2, 4^4, 6, 9^2\})$	384
36	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 9^2\})$	48
36	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 9^2\})$	384
36	$\mathcal{O}(0; \{2, 4^4, 6^2, 9^2\})$	192
36	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 9^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 9^5\})$	1620
36	$\mathcal{O}(0; \{2^7, 4, 9^2, 12\})$	24
36	$\mathcal{O}(0; \{2^3, 3^3, 4, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{2^4, 4^3, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3^3, 4^3, 9^2, 12\})$	768
36	$\mathcal{O}(0; \{2, 4^5, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2^4, 3, 4, 6, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3^4, 4, 6, 9^2, 12\})$	768
36	$\mathcal{O}(0; \{2, 3, 4^3, 6, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 9^2, 12\})$	384
36	$\mathcal{O}(0; \{2^2, 4, 6^3, 9^2, 12\})$	192
36	$\mathcal{O}(0; \{4, 6, 9^5, 12\})$	6480
36	$\mathcal{O}(0; \{2^4, 3^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{3^5, 9^2, 12^2\})$	1536
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2^5, 6, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 6, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 9^2, 12^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^2, 12^2\})$	384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{6^4, 9^2, 12^2\})$	768
36	$\mathcal{O}(0; \{3, 9^5, 12^2\})$	12960
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^2, 12^3\})$	768
36	$\mathcal{O}(0; \{4, 6^2, 9^2, 12^3\})$	1536
36	$\mathcal{O}(0; \{2^3, 9^2, 12^4\})$	768
36	$\mathcal{O}(0; \{4^2, 9^2, 12^4\})$	3072
36	$\mathcal{O}(0; \{3, 6, 9^2, 12^4\})$	3072
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 9^3, 18\})$	1296
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 9^3, 18\})$	648
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^3, 12, 18\})$	1296
36	$\mathcal{O}(0; \{4, 6^2, 9^3, 12, 18\})$	2592
36	$\mathcal{O}(0; \{2^3, 9^3, 12^2, 18\})$	1296
36	$\mathcal{O}(0; \{4^2, 9^3, 12^2, 18\})$	5184
36	$\mathcal{O}(0; \{3, 6, 9^3, 12^2, 18\})$	5184
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 9, 18^2\})$	72
36	$\mathcal{O}(0; \{3^4, 4^2, 9, 18^2\})$	576
36	$\mathcal{O}(0; \{2, 3, 4^4, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 9, 18^2\})$	288
36	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 9, 18^2\})$	144
36	$\mathcal{O}(0; \{4^2, 9^4, 18^2\})$	10692
36	$\mathcal{O}(0; \{2^5, 4, 9, 12, 18^2\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9, 12, 18^2\})$	288
36	$\mathcal{O}(0; \{4, 6^3, 9, 12, 18^2\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 9, 12^2, 18^2\})$	576
36	$\mathcal{O}(0; \{2^3, 6, 9, 12^2, 18^2\})$	288
36	$\mathcal{O}(0; \{4^2, 6, 9, 12^2, 18^2\})$	1152
36	$\mathcal{O}(0; \{3, 6^2, 9, 12^2, 18^2\})$	1152
36	$\mathcal{O}(0; \{3, 4, 9, 12^3, 18^2\})$	2304
36	$\mathcal{O}(0; \{2, 9, 12^4, 18^2\})$	2304
36	$\mathcal{O}(0; \{4^2, 6, 9^2, 18^3\})$	3240
36	$\mathcal{O}(0; \{3, 4, 9^2, 12, 18^3\})$	6480
36	$\mathcal{O}(0; \{2, 9^2, 12^2, 18^3\})$	6480
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 18^4\})$	648
36	$\mathcal{O}(0; \{4^2, 6^2, 18^4\})$	1296
36	$\mathcal{O}(0; \{2^3, 4, 12, 18^4\})$	648
36	$\mathcal{O}(0; \{4^3, 12, 18^4\})$	2592
36	$\mathcal{O}(0; \{3, 4, 6, 12, 18^4\})$	2592
36	$\mathcal{O}(0; \{3^2, 12^2, 18^4\})$	5184
36	$\mathcal{O}(0; \{2, 6, 12^2, 18^4\})$	2592
36	$\mathcal{O}(0; \{2^6, 3^2, 4, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3^5, 4, 9, 36\})$	384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 9, 36\})$	192
36	$\mathcal{O}(0; \{3^2, 4^5, 9, 36\})$	768
36	$\mathcal{O}(0; \{2^7, 4, 6, 9, 36\})$	24
36	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^4, 4^3, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^3, 4^3, 6, 9, 36\})$	768
36	$\mathcal{O}(0; \{2, 4^5, 6, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^4, 4, 6^2, 9, 36\})$	768
36	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 9, 36\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 9, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 4, 6^4, 9, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^4, 36\})$	3240
36	$\mathcal{O}(0; \{4, 6^2, 9^4, 36\})$	6480
36	$\mathcal{O}(0; \{2^7, 3, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{2^3, 3^4, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3^4, 4^2, 9, 12, 36\})$	1536
36	$\mathcal{O}(0; \{2, 3, 4^4, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^4, 3^2, 6, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3^5, 6, 9, 12, 36\})$	1536
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^5, 6^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 6^2, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 6^3, 9, 12, 36\})$	384
36	$\mathcal{O}(0; \{6^5, 9, 12, 36\})$	768
36	$\mathcal{O}(0; \{2^3, 9^4, 12, 36\})$	3240
36	$\mathcal{O}(0; \{4^2, 9^4, 12, 36\})$	12960
36	$\mathcal{O}(0; \{3, 6, 9^4, 12, 36\})$	12960
36	$\mathcal{O}(0; \{2^5, 4, 9, 12^2, 36\})$	192
36	$\mathcal{O}(0; \{2, 3^3, 4, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{2^2, 4^3, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9, 12^2, 36\})$	768
36	$\mathcal{O}(0; \{4, 6^3, 9, 12^2, 36\})$	1536
36	$\mathcal{O}(0; \{2^2, 3^2, 9, 12^3, 36\})$	1536
36	$\mathcal{O}(0; \{2^3, 6, 9, 12^3, 36\})$	768
36	$\mathcal{O}(0; \{4^2, 6, 9, 12^3, 36\})$	3072
36	$\mathcal{O}(0; \{3, 6^2, 9, 12^3, 36\})$	3072
36	$\mathcal{O}(0; \{3, 4, 9, 12^4, 36\})$	6144
36	$\mathcal{O}(0; \{2, 9, 12^5, 36\})$	6144
36	$\mathcal{O}(0; \{2^5, 4, 9^2, 18, 36\})$	324
36	$\mathcal{O}(0; \{2, 3^3, 4, 9^2, 18, 36\})$	2592

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 4^3, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9^2, 18, 36\})$	1296
36	$\mathcal{O}(0; \{4, 6^3, 9^2, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 9^2, 12, 18, 36\})$	2592
36	$\mathcal{O}(0; \{2^3, 6, 9^2, 12, 18, 36\})$	1296
36	$\mathcal{O}(0; \{4^2, 6, 9^2, 12, 18, 36\})$	5184
36	$\mathcal{O}(0; \{3, 6^2, 9^2, 12, 18, 36\})$	5184
36	$\mathcal{O}(0; \{3, 4, 9^2, 12^2, 18, 36\})$	10368
36	$\mathcal{O}(0; \{2, 9^2, 12^3, 18, 36\})$	10368
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3^5, 4, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^5, 4, 6, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{4, 6^4, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{3, 4, 9^3, 18^2, 36\})$	21384
36	$\mathcal{O}(0; \{2^5, 3, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2, 3^4, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 12, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{2^3, 6^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{4^2, 6^2, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{3, 6^3, 12, 18^2, 36\})$	1152
36	$\mathcal{O}(0; \{2, 9^3, 12, 18^2, 36\})$	21384
36	$\mathcal{O}(0; \{2^3, 4, 12^2, 18^2, 36\})$	576
36	$\mathcal{O}(0; \{4^3, 12^2, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{3, 4, 6, 12^2, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{3^2, 12^3, 18^2, 36\})$	4608
36	$\mathcal{O}(0; \{2, 6, 12^3, 18^2, 36\})$	2304
36	$\mathcal{O}(0; \{2^3, 4, 9, 18^3, 36\})$	1620
36	$\mathcal{O}(0; \{4^3, 9, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{3, 4, 6, 9, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{3^2, 9, 12, 18^3, 36\})$	12960
36	$\mathcal{O}(0; \{2, 6, 9, 12, 18^3, 36\})$	6480
36	$\mathcal{O}(0; \{2, 4, 18^5, 36\})$	10692
36	$\mathcal{O}(0; \{2^{10}, 36^2\})$	12
36	$\mathcal{O}(0; \{2^6, 3^3, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3^6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^7, 4^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2^4, 4^4, 36^2\})$	192

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^3, 4^4, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 4^6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^7, 3, 6, 36^2\})$	48
36	$\mathcal{O}(0; \{2^3, 3^4, 6, 36^2\})$	384
36	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{3^4, 4^2, 6, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3, 4^4, 6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 36^2\})$	192
36	$\mathcal{O}(0; \{3^5, 6^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^5, 6^3, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^3, 6^3, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 36^2\})$	384
36	$\mathcal{O}(0; \{2^2, 3, 6^4, 36^2\})$	384
36	$\mathcal{O}(0; \{6^6, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3^2, 9^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2^3, 6, 9^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{4^2, 6, 9^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{3, 6^2, 9^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2^4, 3^2, 4, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{3^5, 4, 12, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 3^2, 4^3, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^5, 4, 6, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^2, 4^3, 6, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12, 36^2\})$	768
36	$\mathcal{O}(0; \{4, 6^4, 12, 36^2\})$	1536
36	$\mathcal{O}(0; \{3, 4, 9^3, 12, 36^2\})$	25920
36	$\mathcal{O}(0; \{2^5, 3, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 3^4, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^2, 36^2\})$	1536
36	$\mathcal{O}(0; \{2^3, 6^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{4^2, 6^2, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{3, 6^3, 12^2, 36^2\})$	3072
36	$\mathcal{O}(0; \{2, 9^3, 12^2, 36^2\})$	25920
36	$\mathcal{O}(0; \{2^3, 4, 12^3, 36^2\})$	1536
36	$\mathcal{O}(0; \{4^3, 12^3, 36^2\})$	6144
36	$\mathcal{O}(0; \{3, 4, 6, 12^3, 36^2\})$	6144
36	$\mathcal{O}(0; \{3^2, 12^4, 36^2\})$	12288
36	$\mathcal{O}(0; \{2, 6, 12^4, 36^2\})$	6144
36	$\mathcal{O}(0; \{2^5, 3, 9, 18, 36^2\})$	648
36	$\mathcal{O}(0; \{2, 3^4, 9, 18, 36^2\})$	5184

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 9, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{2^3, 6^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{4^2, 6^2, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{3, 6^3, 9, 18, 36^2\})$	5184
36	$\mathcal{O}(0; \{2, 9^4, 18, 36^2\})$	61236
36	$\mathcal{O}(0; \{2^3, 4, 9, 12, 18, 36^2\})$	2592
36	$\mathcal{O}(0; \{4^3, 9, 12, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{3, 4, 6, 9, 12, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{3^2, 9, 12^2, 18, 36^2\})$	20736
36	$\mathcal{O}(0; \{2, 6, 9, 12^2, 18, 36^2\})$	10368
36	$\mathcal{O}(0; \{3^2, 9^2, 18^2, 36^2\})$	42768
36	$\mathcal{O}(0; \{2, 6, 9^2, 18^2, 36^2\})$	21384
36	$\mathcal{O}(0; \{2^3, 3, 18^3, 36^2\})$	3240
36	$\mathcal{O}(0; \{3, 4^2, 18^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{3^2, 6, 18^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2, 6^2, 18^3, 36^2\})$	6480
36	$\mathcal{O}(0; \{2, 4, 12, 18^3, 36^2\})$	12960
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 36^3\})$	6480
36	$\mathcal{O}(0; \{4^3, 9^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 36^3\})$	25920
36	$\mathcal{O}(0; \{3^2, 9^2, 12, 36^3\})$	51840
36	$\mathcal{O}(0; \{2, 6, 9^2, 12, 36^3\})$	25920
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{2^3, 4, 6, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{4^3, 6, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{3, 4, 6^2, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2^3, 3, 12, 18, 36^3\})$	5184
36	$\mathcal{O}(0; \{3, 4^2, 12, 18, 36^3\})$	20736
36	$\mathcal{O}(0; \{3^2, 6, 12, 18, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 6^2, 12, 18, 36^3\})$	10368
36	$\mathcal{O}(0; \{2, 4, 12^2, 18, 36^3\})$	20736
36	$\mathcal{O}(0; \{2, 4, 9, 18^2, 36^3\})$	42768
36	$\mathcal{O}(0; \{2^3, 3, 9, 36^4\})$	12960
36	$\mathcal{O}(0; \{3, 4^2, 9, 36^4\})$	51840
36	$\mathcal{O}(0; \{3^2, 6, 9, 36^4\})$	51840
36	$\mathcal{O}(0; \{2, 6^2, 9, 36^4\})$	25920
36	$\mathcal{O}(0; \{2, 4, 9, 12, 36^4\})$	51840
36	$\mathcal{O}(0; \{2, 3, 18^2, 36^4\})$	85536
36	$\mathcal{O}(0; \{3^2, 4, 36^5\})$	103680
36	$\mathcal{O}(0; \{2, 4, 6, 36^5\})$	51840
36	$\mathcal{O}(0; \{2, 3, 12, 36^5\})$	103680
37	$\mathcal{O}(0; \{37^7\})$	2117950380

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
38	$\mathcal{O}(0; \{2^2, 19^6\})$	1790118
38	$\mathcal{O}(0; \{19^5, 38^2\})$	32222106
39	$\mathcal{O}(2; \{3, 13, 39\})$	55522584
39	$\mathcal{O}(1; \{3^4, 13, 39\})$	182520
39	$\mathcal{O}(1; \{3, 39^4\})$	24275160
39	$\mathcal{O}(0; \{3^7, 13, 39\})$	1032
39	$\mathcal{O}(0; \{13^5, 39^2\})$	5512584
39	$\mathcal{O}(0; \{3^4, 39^4\})$	137256
40	$\mathcal{O}(2; \{2, 40^2\})$	40960000
40	$\mathcal{O}(1; \{2^2, 5, 8^2, 10\})$	25600
40	$\mathcal{O}(1; \{8^2, 10^3\})$	76800
40	$\mathcal{O}(1; \{5, 8^2, 20^2\})$	307200
40	$\mathcal{O}(1; \{2^2, 5^2, 8, 40\})$	76800
40	$\mathcal{O}(1; \{5, 8, 10^2, 40\})$	332800
40	$\mathcal{O}(1; \{4, 8, 10, 20, 40\})$	307200
40	$\mathcal{O}(1; \{2^5, 40^2\})$	25600
40	$\mathcal{O}(1; \{2^2, 4^2, 40^2\})$	102400
40	$\mathcal{O}(1; \{4, 8^2, 40^2\})$	819200
40	$\mathcal{O}(1; \{5^2, 10, 40^2\})$	1305600
40	$\mathcal{O}(1; \{4, 5, 20, 40^2\})$	1331200
40	$\mathcal{O}(0; \{2^3, 5^4, 8^2\})$	208
40	$\mathcal{O}(0; \{4^2, 5^4, 8^2\})$	832
40	$\mathcal{O}(0; \{2^6, 5, 8^2, 10\})$	16
40	$\mathcal{O}(0; \{2^3, 4^2, 5, 8^2, 10\})$	64
40	$\mathcal{O}(0; \{4^4, 5, 8^2, 10\})$	256
40	$\mathcal{O}(0; \{2, 4, 5, 8^4, 10\})$	512
40	$\mathcal{O}(0; \{2, 5^3, 8^2, 10^2\})$	816
40	$\mathcal{O}(0; \{2^4, 8^2, 10^3\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 8^2, 10^3\})$	192
40	$\mathcal{O}(0; \{2, 4, 5^2, 8^2, 10, 20\})$	832
40	$\mathcal{O}(0; \{2^4, 5, 8^2, 20^2\})$	192
40	$\mathcal{O}(0; \{2, 4^2, 5, 8^2, 20^2\})$	768
40	$\mathcal{O}(0; \{2^2, 8^2, 10^2, 20^2\})$	832
40	$\mathcal{O}(0; \{8^2, 10, 20^4\})$	13056
40	$\mathcal{O}(0; \{2^6, 5^2, 8, 40\})$	48
40	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 8, 40\})$	192
40	$\mathcal{O}(0; \{4^4, 5^2, 8, 40\})$	768
40	$\mathcal{O}(0; \{2, 4, 5^2, 8^3, 40\})$	1536
40	$\mathcal{O}(0; \{2, 5^4, 8, 10, 40\})$	3280
40	$\mathcal{O}(0; \{2^4, 5, 8, 10^2, 40\})$	208
40	$\mathcal{O}(0; \{2, 4^2, 5, 8, 10^2, 40\})$	832
40	$\mathcal{O}(0; \{2^2, 8, 10^4, 40\})$	816
40	$\mathcal{O}(0; \{2, 4, 5^3, 8, 20, 40\})$	3264

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^4, 4, 8, 10, 20, 40\})$	192
40	$\mathcal{O}(0; \{2, 4^3, 8, 10, 20, 40\})$	768
40	$\mathcal{O}(0; \{2^2, 8^3, 10, 20, 40\})$	1536
40	$\mathcal{O}(0; \{2^2, 5, 8, 10, 20^2, 40\})$	3264
40	$\mathcal{O}(0; \{8, 10^3, 20^2, 40\})$	13120
40	$\mathcal{O}(0; \{2^2, 4, 8, 20^3, 40\})$	3328
40	$\mathcal{O}(0; \{8^3, 20^3, 40\})$	26624
40	$\mathcal{O}(0; \{5, 8, 20^4, 40\})$	52480
40	$\mathcal{O}(0; \{2^9, 40^2\})$	16
40	$\mathcal{O}(0; \{2^6, 4^2, 40^2\})$	64
40	$\mathcal{O}(0; \{2^3, 4^4, 40^2\})$	256
40	$\mathcal{O}(0; \{4^6, 40^2\})$	1024
40	$\mathcal{O}(0; \{2, 5^5, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^4, 4, 8^2, 40^2\})$	512
40	$\mathcal{O}(0; \{2, 4^3, 8^2, 40^2\})$	2048
40	$\mathcal{O}(0; \{2^2, 8^4, 40^2\})$	4096
40	$\mathcal{O}(0; \{2^4, 5^2, 10, 40^2\})$	816
40	$\mathcal{O}(0; \{2, 4^2, 5^2, 10, 40^2\})$	3264
40	$\mathcal{O}(0; \{2^2, 5, 10^3, 40^2\})$	3280
40	$\mathcal{O}(0; \{10^5, 40^2\})$	13104
40	$\mathcal{O}(0; \{2^4, 4, 5, 20, 40^2\})$	832
40	$\mathcal{O}(0; \{2, 4^3, 5, 20, 40^2\})$	3328
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 20, 40^2\})$	6656
40	$\mathcal{O}(0; \{2^2, 4, 10^2, 20, 40^2\})$	3264
40	$\mathcal{O}(0; \{8^2, 10^2, 20, 40^2\})$	26112
40	$\mathcal{O}(0; \{2^2, 5^2, 20^2, 40^2\})$	13120
40	$\mathcal{O}(0; \{5, 10^2, 20^2, 40^2\})$	52416
40	$\mathcal{O}(0; \{4, 10, 20^3, 40^2\})$	52480
40	$\mathcal{O}(0; \{2^2, 4, 8, 10, 40^3\})$	6656
40	$\mathcal{O}(0; \{8^3, 10, 40^3\})$	53248
40	$\mathcal{O}(0; \{5, 8, 10, 20, 40^3\})$	104960
40	$\mathcal{O}(0; \{4, 8, 20^2, 40^3\})$	104448
40	$\mathcal{O}(0; \{2^2, 4, 5, 40^4\})$	26112
40	$\mathcal{O}(0; \{5, 8^2, 40^4\})$	208896
40	$\mathcal{O}(0; \{4, 10^2, 40^4\})$	104960
40	$\mathcal{O}(0; \{5^2, 20, 40^4\})$	419328
42	$\mathcal{O}(1; \{6^2, 7^3\})$	105840
42	$\mathcal{O}(1; \{3, 6, 7, 14, 21\})$	105840
42	$\mathcal{O}(1; \{2^2, 3^2, 21^2\})$	63504
42	$\mathcal{O}(1; \{2^3, 6, 21^2\})$	21168
42	$\mathcal{O}(1; \{3, 6^2, 21^2\})$	105840
42	$\mathcal{O}(1; \{2^2, 3^2, 14, 42\})$	21168
42	$\mathcal{O}(1; \{2^3, 6, 14, 42\})$	21168

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(1; \{3, 6^2, 14, 42\})$	63504
42	$\mathcal{O}(1; \{2, 7, 21^2, 42\})$	656208
42	$\mathcal{O}(1; \{2, 7, 14, 42^2\})$	656208
42	$\mathcal{O}(1; \{3^2, 21, 42^2\})$	529200
42	$\mathcal{O}(1; \{2, 6, 21, 42^2\})$	317520
42	$\mathcal{O}(0; \{2^2, 3^4, 7^3\})$	180
42	$\mathcal{O}(0; \{2^3, 3^2, 6, 7^3\})$	60
42	$\mathcal{O}(0; \{2^4, 6^2, 7^3\})$	60
42	$\mathcal{O}(0; \{3^3, 6^2, 7^3\})$	300
42	$\mathcal{O}(0; \{2, 3, 6^3, 7^3\})$	180
42	$\mathcal{O}(0; \{3^4, 7^2, 14^2\})$	1116
42	$\mathcal{O}(0; \{2, 3^2, 6, 7^2, 14^2\})$	372
42	$\mathcal{O}(0; \{2^2, 6^2, 7^2, 14^2\})$	372
42	$\mathcal{O}(0; \{6^2, 7, 14^4\})$	2220
42	$\mathcal{O}(0; \{2^3, 3^3, 7, 14, 21\})$	180
42	$\mathcal{O}(0; \{2^4, 3, 6, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{3^4, 6, 7, 14, 21\})$	660
42	$\mathcal{O}(0; \{2, 3^2, 6^2, 7, 14, 21\})$	300
42	$\mathcal{O}(0; \{2^2, 6^3, 7, 14, 21\})$	180
42	$\mathcal{O}(0; \{2, 3^3, 14^3, 21\})$	1116
42	$\mathcal{O}(0; \{2^2, 3, 6, 14^3, 21\})$	372
42	$\mathcal{O}(0; \{6^3, 14^3, 21\})$	1116
42	$\mathcal{O}(0; \{2^6, 3^2, 21^2\})$	36
42	$\mathcal{O}(0; \{2^2, 3^5, 21^2\})$	252
42	$\mathcal{O}(0; \{2^7, 6, 21^2\})$	12
42	$\mathcal{O}(0; \{2^3, 3^3, 6, 21^2\})$	132
42	$\mathcal{O}(0; \{2^4, 3, 6^2, 21^2\})$	60
42	$\mathcal{O}(0; \{3^4, 6^2, 21^2\})$	516
42	$\mathcal{O}(0; \{2, 3^2, 6^3, 21^2\})$	252
42	$\mathcal{O}(0; \{2^2, 6^4, 21^2\})$	132
42	$\mathcal{O}(0; \{6, 7^3, 14, 21^2\})$	13332
42	$\mathcal{O}(0; \{2^2, 3, 7^2, 21^3\})$	6660
42	$\mathcal{O}(0; \{6^2, 7^2, 21^3\})$	11100
42	$\mathcal{O}(0; \{3, 7, 14^2, 21^3\})$	39996
42	$\mathcal{O}(0; \{2^3, 14, 21^4\})$	6660
42	$\mathcal{O}(0; \{3, 6, 14, 21^4\})$	24420
42	$\mathcal{O}(0; \{2, 3^2, 7^4, 42\})$	2220
42	$\mathcal{O}(0; \{2^2, 6, 7^4, 42\})$	2220
42	$\mathcal{O}(0; \{2^6, 3^2, 14, 42\})$	12
42	$\mathcal{O}(0; \{2^2, 3^5, 14, 42\})$	132
42	$\mathcal{O}(0; \{2^7, 6, 14, 42\})$	12
42	$\mathcal{O}(0; \{2^3, 3^3, 6, 14, 42\})$	60
42	$\mathcal{O}(0; \{2^4, 3, 6^2, 14, 42\})$	36

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3^4, 6^2, 14, 42\})$	252
42	$\mathcal{O}(0; \{2, 3^2, 6^3, 14, 42\})$	132
42	$\mathcal{O}(0; \{2^2, 6^4, 14, 42\})$	60
42	$\mathcal{O}(0; \{6, 7^3, 14^2, 42\})$	13332
42	$\mathcal{O}(0; \{2^2, 3, 7^2, 14, 21, 42\})$	2220
42	$\mathcal{O}(0; \{6^2, 7^2, 14, 21, 42\})$	6660
42	$\mathcal{O}(0; \{3, 7, 14^3, 21, 42\})$	13332
42	$\mathcal{O}(0; \{2^5, 7, 21^2, 42\})$	372
42	$\mathcal{O}(0; \{2, 3^3, 7, 21^2, 42\})$	4092
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 21^2, 42\})$	1860
42	$\mathcal{O}(0; \{6^3, 7, 21^2, 42\})$	4092
42	$\mathcal{O}(0; \{2^3, 14^2, 21^2, 42\})$	2220
42	$\mathcal{O}(0; \{3, 6, 14^2, 21^2, 42\})$	11100
42	$\mathcal{O}(0; \{2, 21^5, 42\})$	146652
42	$\mathcal{O}(0; \{7^5, 42^2\})$	79980
42	$\mathcal{O}(0; \{2^5, 7, 14, 42^2\})$	372
42	$\mathcal{O}(0; \{2, 3^3, 7, 14, 42^2\})$	1860
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 14, 42^2\})$	1116
42	$\mathcal{O}(0; \{6^3, 7, 14, 42^2\})$	1860
42	$\mathcal{O}(0; \{2^3, 14^3, 42^2\})$	2220
42	$\mathcal{O}(0; \{3, 6, 14^3, 42^2\})$	6660
42	$\mathcal{O}(0; \{2^4, 3^2, 21, 42^2\})$	300
42	$\mathcal{O}(0; \{3^5, 21, 42^2\})$	2580
42	$\mathcal{O}(0; \{2^5, 6, 21, 42^2\})$	180
42	$\mathcal{O}(0; \{2, 3^3, 6, 21, 42^2\})$	1260
42	$\mathcal{O}(0; \{2^2, 3, 6^2, 21, 42^2\})$	660
42	$\mathcal{O}(0; \{6^4, 21, 42^2\})$	1260
42	$\mathcal{O}(0; \{3, 7^2, 21^2, 42^2\})$	66660
42	$\mathcal{O}(0; \{2, 14, 21^3, 42^2\})$	66660
42	$\mathcal{O}(0; \{3, 7^2, 14, 42^3\})$	39996
42	$\mathcal{O}(0; \{2^3, 7, 21, 42^3\})$	6660
42	$\mathcal{O}(0; \{3, 6, 7, 21, 42^3\})$	24420
42	$\mathcal{O}(0; \{2, 14^2, 21, 42^3\})$	39996
42	$\mathcal{O}(0; \{2^2, 3^2, 42^4\})$	4092
42	$\mathcal{O}(0; \{2^3, 6, 42^4\})$	1860
42	$\mathcal{O}(0; \{3, 6^2, 42^4\})$	7812
42	$\mathcal{O}(0; \{2, 7, 42^5\})$	66660
44	$\mathcal{O}(1; \{2, 4, 11^2, 44\})$	348480
44	$\mathcal{O}(0; \{4^2, 11^5\})$	18180
44	$\mathcal{O}(0; \{2^5, 4, 11^2, 44\})$	180
44	$\mathcal{O}(0; \{2^2, 4^3, 11^2, 44\})$	720
44	$\mathcal{O}(0; \{2^3, 4, 11, 22^2, 44\})$	1820
44	$\mathcal{O}(0; \{4^3, 11, 22^2, 44\})$	7280

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
44	$\mathcal{O}(0; \{2, 4, 22^4, 44\})$	18180
44	$\mathcal{O}(0; \{2, 4, 11, 22, 44^3\})$	72720
45	$\mathcal{O}(2; \{45^2\})$	98415000
45	$\mathcal{O}(1; \{3^3, 45^2\})$	388800
45	$\mathcal{O}(0; \{5^3, 9^4\})$	1944
45	$\mathcal{O}(0; \{3, 5, 9^4, 15\})$	2592
45	$\mathcal{O}(0; \{5^4, 9^2, 45\})$	3672
45	$\mathcal{O}(0; \{3, 5^2, 9^2, 15, 45\})$	3744
45	$\mathcal{O}(0; \{3^2, 9^2, 15^2, 45\})$	3456
45	$\mathcal{O}(0; \{3^6, 45^2\})$	1536
45	$\mathcal{O}(0; \{5^5, 45^2\})$	19656
45	$\mathcal{O}(0; \{3^2, 9^3, 45^2\})$	12960
45	$\mathcal{O}(0; \{3, 5^3, 15, 45^2\})$	19680
45	$\mathcal{O}(0; \{3^2, 5, 15^2, 45^2\})$	19584
45	$\mathcal{O}(0; \{3^2, 5, 9, 45^3\})$	33696
46	$\mathcal{O}(1; \{2^2, 23^3\})$	977592
46	$\mathcal{O}(1; \{23^2, 46^2\})$	21553576
46	$\mathcal{O}(0; \{2^6, 23^3\})$	462
46	$\mathcal{O}(0; \{2^4, 23^2, 46^2\})$	10186
46	$\mathcal{O}(0; \{2^2, 23, 46^4\})$	224070
46	$\mathcal{O}(0; \{46^6\})$	4929562
48	$\mathcal{O}(1; \{2, 3^2, 16^2\})$	36864
48	$\mathcal{O}(1; \{12^2, 16^2\})$	147456
48	$\mathcal{O}(1; \{8, 12, 16, 48\})$	294912
48	$\mathcal{O}(1; \{6, 16, 24, 48\})$	147456
48	$\mathcal{O}(1; \{2^2, 4, 48^2\})$	73728
48	$\mathcal{O}(1; \{8^2, 48^2\})$	589824
48	$\mathcal{O}(1; \{6, 12, 48^2\})$	221184
48	$\mathcal{O}(0; \{2^5, 3^2, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 3^5, 16^2\})$	80
48	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 16^2\})$	64
48	$\mathcal{O}(0; \{2^2, 3^3, 6, 16^2\})$	48
48	$\mathcal{O}(0; \{2^3, 3, 6^2, 16^2\})$	16
48	$\mathcal{O}(0; \{3, 4^2, 6^2, 16^2\})$	64
48	$\mathcal{O}(0; \{3^2, 6^3, 16^2\})$	80
48	$\mathcal{O}(0; \{2, 6^4, 16^2\})$	48
48	$\mathcal{O}(0; \{3^2, 4, 8^2, 16^2\})$	512
48	$\mathcal{O}(0; \{2^3, 3, 4, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{3, 4^3, 12, 16^2\})$	256
48	$\mathcal{O}(0; \{3^2, 4, 6, 12, 16^2\})$	192
48	$\mathcal{O}(0; \{2, 4, 6^2, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 3, 8^2, 12, 16^2\})$	512
48	$\mathcal{O}(0; \{2^4, 12^2, 16^2\})$	64

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3^3, 12^2, 16^2\})$	320
48	$\mathcal{O}(0; \{2, 4^2, 12^2, 16^2\})$	256
48	$\mathcal{O}(0; \{2, 3, 6, 12^2, 16^2\})$	192
48	$\mathcal{O}(0; \{3^3, 8, 16^2, 24\})$	768
48	$\mathcal{O}(0; \{2, 3, 6, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{2, 3, 4, 16^2, 24^2\})$	512
48	$\mathcal{O}(0; \{2^2, 12, 16^2, 24^2\})$	512
48	$\mathcal{O}(0; \{16^2, 24^4\})$	12288
48	$\mathcal{O}(0; \{2^3, 3, 4, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{3, 4^3, 8, 16, 48\})$	512
48	$\mathcal{O}(0; \{3^2, 4, 6, 8, 16, 48\})$	384
48	$\mathcal{O}(0; \{2, 4, 6^2, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 3, 8^3, 16, 48\})$	1024
48	$\mathcal{O}(0; \{2^4, 8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{3^3, 8, 12, 16, 48\})$	640
48	$\mathcal{O}(0; \{2, 4^2, 8, 12, 16, 48\})$	512
48	$\mathcal{O}(0; \{2, 3, 6, 8, 12, 16, 48\})$	384
48	$\mathcal{O}(0; \{2, 3, 4, 16^3, 48\})$	2048
48	$\mathcal{O}(0; \{2^2, 12, 16^3, 48\})$	2048
48	$\mathcal{O}(0; \{2^3, 3^2, 16, 24, 48\})$	192
48	$\mathcal{O}(0; \{3^2, 4^2, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{2^4, 6, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{3^3, 6, 16, 24, 48\})$	704
48	$\mathcal{O}(0; \{2, 4^2, 6, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{2, 3, 6^2, 16, 24, 48\})$	320
48	$\mathcal{O}(0; \{2, 3, 4, 12, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{2^2, 12^2, 16, 24, 48\})$	768
48	$\mathcal{O}(0; \{2^2, 8, 16, 24^2, 48\})$	1024
48	$\mathcal{O}(0; \{16^3, 24^2, 48\})$	16384
48	$\mathcal{O}(0; \{12, 16, 24^3, 48\})$	10240
48	$\mathcal{O}(0; \{2^6, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{2^2, 3^3, 4, 48^2\})$	160
48	$\mathcal{O}(0; \{2^3, 4^3, 48^2\})$	128
48	$\mathcal{O}(0; \{4^5, 48^2\})$	512
48	$\mathcal{O}(0; \{2^3, 3, 4, 6, 48^2\})$	96
48	$\mathcal{O}(0; \{3, 4^3, 6, 48^2\})$	384
48	$\mathcal{O}(0; \{3^2, 4, 6^2, 48^2\})$	352
48	$\mathcal{O}(0; \{2, 4, 6^3, 48^2\})$	160
48	$\mathcal{O}(0; \{2^4, 8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{3^3, 8^2, 48^2\})$	1280
48	$\mathcal{O}(0; \{2, 4^2, 8^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{2, 3, 6, 8^2, 48^2\})$	768
48	$\mathcal{O}(0; \{2^3, 3^2, 12, 48^2\})$	160

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3^2, 4^2, 12, 48^2\})$	640
48	$\mathcal{O}(0; \{2^4, 6, 12, 48^2\})$	96
48	$\mathcal{O}(0; \{3^3, 6, 12, 48^2\})$	672
48	$\mathcal{O}(0; \{2, 4^2, 6, 12, 48^2\})$	384
48	$\mathcal{O}(0; \{2, 3, 6^2, 12, 48^2\})$	352
48	$\mathcal{O}(0; \{2, 3, 4, 12^2, 48^2\})$	640
48	$\mathcal{O}(0; \{2^2, 12^3, 48^2\})$	640
48	$\mathcal{O}(0; \{2^2, 8, 16^2, 48^2\})$	4096
48	$\mathcal{O}(0; \{16^4, 48^2\})$	65536
48	$\mathcal{O}(0; \{2, 3, 4, 8, 24, 48^2\})$	1536
48	$\mathcal{O}(0; \{2^2, 8, 12, 24, 48^2\})$	1536
48	$\mathcal{O}(0; \{12, 16^2, 24, 48^2\})$	24576
48	$\mathcal{O}(0; \{2, 3^2, 24^2, 48^2\})$	2816
48	$\mathcal{O}(0; \{2^2, 6, 24^2, 48^2\})$	1280
48	$\mathcal{O}(0; \{12^2, 24^2, 48^2\})$	11264
48	$\mathcal{O}(0; \{8, 24^3, 48^2\})$	20480
48	$\mathcal{O}(0; \{2, 3^2, 16, 48^3\})$	5120
48	$\mathcal{O}(0; \{2^2, 6, 16, 48^3\})$	3072
48	$\mathcal{O}(0; \{12^2, 16, 48^3\})$	20480
48	$\mathcal{O}(0; \{8, 16, 24, 48^3\})$	49152
48	$\mathcal{O}(0; \{8, 12, 48^4\})$	40960
48	$\mathcal{O}(0; \{6, 24, 48^4\})$	45056
49	$\mathcal{O}(0; \{7^2, 49^4\})$	2296728
50	$\mathcal{O}(1; \{5^2, 50^2\})$	800000
50	$\mathcal{O}(0; \{5, 10, 25^3, 50\})$	104000
50	$\mathcal{O}(0; \{2^4, 5^2, 50^2\})$	320
50	$\mathcal{O}(0; \{2^2, 5, 10^2, 50^2\})$	1280
50	$\mathcal{O}(0; \{10^4, 50^2\})$	5120
51	$\mathcal{O}(0; \{3^4, 17^3\})$	1440
51	$\mathcal{O}(0; \{3, 17^2, 51^3\})$	370080
52	$\mathcal{O}(1; \{4^2, 26^2\})$	64896
52	$\mathcal{O}(1; \{2, 26, 52^2\})$	713856
52	$\mathcal{O}(0; \{2^4, 4^2, 26^2\})$	24
52	$\mathcal{O}(0; \{2, 4^4, 26^2\})$	96
52	$\mathcal{O}(0; \{4, 13^4, 52\})$	38280
52	$\mathcal{O}(0; \{2^5, 26, 52^2\})$	264
52	$\mathcal{O}(0; \{2^2, 4^2, 26, 52^2\})$	1056
52	$\mathcal{O}(0; \{2^3, 52^4\})$	12768
52	$\mathcal{O}(0; \{4^2, 52^4\})$	51072
54	$\mathcal{O}(1; \{3^2, 54^2\})$	209952
54	$\mathcal{O}(1; \{2, 6, 54^2\})$	104976
54	$\mathcal{O}(0; \{2, 18, 27^4\})$	26244
54	$\mathcal{O}(0; \{2^3, 9, 27^2, 54\})$	972

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
54	$\mathcal{O}(0; \{3, 6, 9, 27^2, 54\})$	3888
54	$\mathcal{O}(0; \{2, 18^2, 27^2, 54\})$	5832
54	$\mathcal{O}(0; \{2^4, 3^2, 54^2\})$	72
54	$\mathcal{O}(0; \{3^5, 54^2\})$	576
54	$\mathcal{O}(0; \{2^5, 6, 54^2\})$	36
54	$\mathcal{O}(0; \{2, 3^3, 6, 54^2\})$	288
54	$\mathcal{O}(0; \{2^2, 3, 6^2, 54^2\})$	144
54	$\mathcal{O}(0; \{6^4, 54^2\})$	288
54	$\mathcal{O}(0; \{3, 9^3, 54^2\})$	7776
54	$\mathcal{O}(0; \{2^3, 9, 18, 54^2\})$	648
54	$\mathcal{O}(0; \{3, 6, 9, 18, 54^2\})$	2592
54	$\mathcal{O}(0; \{2, 18^3, 54^2\})$	3888
54	$\mathcal{O}(0; \{2, 9, 27, 54^3\})$	26244
55	$\mathcal{O}(0; \{5^2, 11^4\})$	3640
56	$\mathcal{O}(0; \{7^4, 8^2\})$	744
56	$\mathcal{O}(0; \{4, 7^2, 8^2, 28\})$	480
56	$\mathcal{O}(0; \{2^3, 8^2, 28^2\})$	96
56	$\mathcal{O}(0; \{4^2, 8^2, 28^2\})$	384
56	$\mathcal{O}(0; \{4, 7^3, 8, 56\})$	1488
56	$\mathcal{O}(0; \{2^3, 7, 8, 28, 56\})$	240
56	$\mathcal{O}(0; \{4^2, 7, 8, 28, 56\})$	960
56	$\mathcal{O}(0; \{2, 8, 14^2, 28, 56\})$	1488
56	$\mathcal{O}(0; \{2^3, 7^2, 56^2\})$	744
56	$\mathcal{O}(0; \{4^2, 7^2, 56^2\})$	2976
56	$\mathcal{O}(0; \{2, 7, 14^2, 56^2\})$	4440
56	$\mathcal{O}(0; \{2^3, 4, 28, 56^2\})$	480
56	$\mathcal{O}(0; \{4^3, 28, 56^2\})$	1920
56	$\mathcal{O}(0; \{2, 8^2, 28, 56^2\})$	3840
56	$\mathcal{O}(0; \{2, 7, 8, 56^3\})$	11904
56	$\mathcal{O}(0; \{2, 4, 56^4\})$	23808
57	$\mathcal{O}(0; \{3^2, 19^4\})$	11052
60	$\mathcal{O}(1; \{2^2, 60^2\})$	57600
60	$\mathcal{O}(0; \{4^2, 6^2, 10^2\})$	16
60	$\mathcal{O}(0; \{3, 4, 6, 10^2, 12\})$	16
60	$\mathcal{O}(0; \{3^2, 10^2, 12^2\})$	48
60	$\mathcal{O}(0; \{2, 6, 10^2, 12^2\})$	16
60	$\mathcal{O}(0; \{4^2, 5, 6, 10, 15\})$	48
60	$\mathcal{O}(0; \{3, 4, 5, 10, 12, 15\})$	48
60	$\mathcal{O}(0; \{2, 5, 10, 12^2, 15\})$	48
60	$\mathcal{O}(0; \{4^2, 5^2, 15^2\})$	208
60	$\mathcal{O}(0; \{3, 4^2, 15^3\})$	144
60	$\mathcal{O}(0; \{2, 4, 12, 15^3\})$	144
60	$\mathcal{O}(0; \{4, 5^2, 6^2, 20\})$	48

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{3, 5^2, 6, 12, 20\})$	48
60	$\mathcal{O}(0; \{2^2, 3^2, 4, 15, 20\})$	16
60	$\mathcal{O}(0; \{2^3, 4, 6, 15, 20\})$	16
60	$\mathcal{O}(0; \{4^3, 6, 15, 20\})$	64
60	$\mathcal{O}(0; \{3, 4, 6^2, 15, 20\})$	48
60	$\mathcal{O}(0; \{2^3, 3, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 12, 15, 20\})$	64
60	$\mathcal{O}(0; \{3^2, 6, 12, 15, 20\})$	80
60	$\mathcal{O}(0; \{2, 6^2, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{2, 4, 12^2, 15, 20\})$	64
60	$\mathcal{O}(0; \{2, 4, 10, 15^2, 20\})$	208
60	$\mathcal{O}(0; \{3^2, 6, 10, 20^2\})$	48
60	$\mathcal{O}(0; \{2, 6^2, 10, 20^2\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 15, 20^2\})$	208
60	$\mathcal{O}(0; \{2, 5, 6, 15, 20^2\})$	208
60	$\mathcal{O}(0; \{3, 4^2, 10, 15, 30\})$	48
60	$\mathcal{O}(0; \{2, 4, 10, 12, 15, 30\})$	48
60	$\mathcal{O}(0; \{3, 4, 5, 6, 20, 30\})$	48
60	$\mathcal{O}(0; \{3^2, 5, 12, 20, 30\})$	144
60	$\mathcal{O}(0; \{2, 5, 6, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 15, 20^2, 30\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 20, 30^2\})$	144
60	$\mathcal{O}(0; \{2, 4, 6, 20, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 12, 20, 30^2\})$	144
60	$\mathcal{O}(0; \{4, 5^3, 6, 60\})$	208
60	$\mathcal{O}(0; \{2^2, 3^2, 4, 10, 60\})$	16
60	$\mathcal{O}(0; \{2^3, 4, 6, 10, 60\})$	16
60	$\mathcal{O}(0; \{4^3, 6, 10, 60\})$	64
60	$\mathcal{O}(0; \{3, 4, 6^2, 10, 60\})$	48
60	$\mathcal{O}(0; \{3, 5^3, 12, 60\})$	208
60	$\mathcal{O}(0; \{2^3, 3, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 10, 12, 60\})$	64
60	$\mathcal{O}(0; \{3^2, 6, 10, 12, 60\})$	80
60	$\mathcal{O}(0; \{2, 6^2, 10, 12, 60\})$	48
60	$\mathcal{O}(0; \{2, 4, 10, 12^2, 60\})$	64
60	$\mathcal{O}(0; \{2^3, 4, 5, 15, 60\})$	48
60	$\mathcal{O}(0; \{4^3, 5, 15, 60\})$	192
60	$\mathcal{O}(0; \{3, 4, 5, 6, 15, 60\})$	144
60	$\mathcal{O}(0; \{2, 4, 10^2, 15, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 5, 12, 15, 60\})$	240
60	$\mathcal{O}(0; \{2, 5, 6, 12, 15, 60\})$	144
60	$\mathcal{O}(0; \{3^2, 5, 10, 20, 60\})$	208
60	$\mathcal{O}(0; \{2, 5, 6, 10, 20, 60\})$	208

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{2, 5^2, 15, 20, 60\})$	816
60	$\mathcal{O}(0; \{2, 3, 15^2, 20, 60\})$	624
60	$\mathcal{O}(0; \{3^2, 4, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{2, 4, 6, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{2, 3, 12, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{3, 4, 5^2, 30, 60\})$	208
60	$\mathcal{O}(0; \{2, 5^2, 12, 30, 60\})$	208
60	$\mathcal{O}(0; \{3^2, 4, 15, 30, 60\})$	240
60	$\mathcal{O}(0; \{2, 4, 6, 15, 30, 60\})$	144
60	$\mathcal{O}(0; \{2, 3, 12, 15, 30, 60\})$	240
60	$\mathcal{O}(0; \{2, 3, 10, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{2, 4, 5, 30^2, 60\})$	208
60	$\mathcal{O}(0; \{2^6, 60^2\})$	16
60	$\mathcal{O}(0; \{2^2, 3^3, 60^2\})$	80
60	$\mathcal{O}(0; \{2^3, 4^2, 60^2\})$	64
60	$\mathcal{O}(0; \{4^4, 60^2\})$	256
60	$\mathcal{O}(0; \{2^3, 3, 6, 60^2\})$	48
60	$\mathcal{O}(0; \{3, 4^2, 6, 60^2\})$	192
60	$\mathcal{O}(0; \{3^2, 6^2, 60^2\})$	176
60	$\mathcal{O}(0; \{2, 6^3, 60^2\})$	80
60	$\mathcal{O}(0; \{2, 5^2, 10, 60^2\})$	816
60	$\mathcal{O}(0; \{3^2, 4, 12, 60^2\})$	320
60	$\mathcal{O}(0; \{2, 4, 6, 12, 60^2\})$	192
60	$\mathcal{O}(0; \{2, 3, 12^2, 60^2\})$	320
60	$\mathcal{O}(0; \{2, 3, 10, 15, 60^2\})$	624
60	$\mathcal{O}(0; \{2, 4, 5, 20, 60^2\})$	832
61	$\mathcal{O}(0; \{61^5\})$	12747540
62	$\mathcal{O}(0; \{2^2, 31^4\})$	26130
62	$\mathcal{O}(0; \{31^3, 62^2\})$	783870
63	$\mathcal{O}(1; \{9, 21, 63\})$	285768
63	$\mathcal{O}(1; \{7, 63^2\})$	714420
63	$\mathcal{O}(0; \{3^2, 7^2, 9^2\})$	144
63	$\mathcal{O}(0; \{3^3, 9, 21, 63\})$	576
63	$\mathcal{O}(0; \{3^3, 7, 63^2\})$	1440
63	$\mathcal{O}(0; \{21^3, 63^2\})$	53280
63	$\mathcal{O}(0; \{9, 63^4\})$	150660
64	$\mathcal{O}(0; \{2^2, 8, 16, 64^2\})$	1024
64	$\mathcal{O}(0; \{16^3, 64^2\})$	16384
64	$\mathcal{O}(0; \{8, 32^2, 64^2\})$	32768
65	$\mathcal{O}(0; \{13^3, 65^2\})$	76560
65	$\mathcal{O}(0; \{5, 65^4\})$	325584
66	$\mathcal{O}(0; \{2^3, 3^2, 11, 22\})$	20
66	$\mathcal{O}(0; \{3^3, 6, 11, 22\})$	60

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
66	$\mathcal{O}(0; \{2, 3, 6^2, 11, 22\})$	20
66	$\mathcal{O}(0; \{2, 3^2, 22^3\})$	180
66	$\mathcal{O}(0; \{6, 22, 33^3\})$	5460
66	$\mathcal{O}(0; \{2, 3^2, 11, 33, 66\})$	540
66	$\mathcal{O}(0; \{2^2, 6, 11, 33, 66\})$	180
66	$\mathcal{O}(0; \{6, 22^2, 33, 66\})$	1820
66	$\mathcal{O}(0; \{11^3, 66^2\})$	18180
66	$\mathcal{O}(0; \{6, 11, 66^3\})$	5460
68	$\mathcal{O}(0; \{2^2, 4, 17^2, 68\})$	480
68	$\mathcal{O}(0; \{4, 17, 34^2, 68\})$	7712
69	$\mathcal{O}(0; \{3^4, 23^2\})$	132
69	$\mathcal{O}(0; \{3, 23, 69^3\})$	61116
70	$\mathcal{O}(0; \{2^2, 5^2, 35^2\})$	312
70	$\mathcal{O}(0; \{5, 10^2, 35^2\})$	1224
70	$\mathcal{O}(0; \{2^2, 5, 7, 10, 70\})$	72
70	$\mathcal{O}(0; \{7, 10^3, 70\})$	312
70	$\mathcal{O}(0; \{5, 10, 14^2, 70\})$	360
70	$\mathcal{O}(0; \{5, 7, 14, 35, 70\})$	2232
70	$\mathcal{O}(0; \{7^3, 70^2\})$	4440
70	$\mathcal{O}(0; \{5^2, 35, 70^2\})$	6120
72	$\mathcal{O}(1; \{2, 72^2\})$	124416
72	$\mathcal{O}(0; \{8^2, 9^2, 18\})$	72
72	$\mathcal{O}(0; \{6, 8^2, 18^2\})$	48
72	$\mathcal{O}(0; \{4, 8, 18^2, 24\})$	96
72	$\mathcal{O}(0; \{3, 18^2, 24^2\})$	192
72	$\mathcal{O}(0; \{6, 8, 9^2, 72\})$	144
72	$\mathcal{O}(0; \{2^2, 3, 8, 18, 72\})$	48
72	$\mathcal{O}(0; \{6^2, 8, 18, 72\})$	96
72	$\mathcal{O}(0; \{4, 8, 12, 18, 72\})$	192
72	$\mathcal{O}(0; \{4, 9^2, 24, 72\})$	288
72	$\mathcal{O}(0; \{4, 6, 18, 24, 72\})$	192
72	$\mathcal{O}(0; \{3, 12, 18, 24, 72\})$	384
72	$\mathcal{O}(0; \{4, 8, 9, 36, 72\})$	288
72	$\mathcal{O}(0; \{3, 9, 24, 36, 72\})$	576
72	$\mathcal{O}(0; \{3, 8, 36^2, 72\})$	576
72	$\mathcal{O}(0; \{2^5, 72^2\})$	24
72	$\mathcal{O}(0; \{2, 3^3, 72^2\})$	192
72	$\mathcal{O}(0; \{2^2, 4^2, 72^2\})$	96
72	$\mathcal{O}(0; \{2^2, 3, 6, 72^2\})$	96
72	$\mathcal{O}(0; \{6^3, 72^2\})$	192
72	$\mathcal{O}(0; \{4, 8^2, 72^2\})$	768
72	$\mathcal{O}(0; \{4, 6, 12, 72^2\})$	384
72	$\mathcal{O}(0; \{3, 12^2, 72^2\})$	768

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{3, 9, 18, 72^2\})$	1296
72	$\mathcal{O}(0; \{3, 8, 24, 72^2\})$	1536
74	$\mathcal{O}(0; \{2, 37^3, 74\})$	45396
75	$\mathcal{O}(0; \{3, 5, 25^2, 75\})$	2400
75	$\mathcal{O}(0; \{5^3, 75^2\})$	2560
75	$\mathcal{O}(0; \{3, 5, 15, 75^2\})$	1920
76	$\mathcal{O}(0; \{4^2, 19^3\})$	612
78	$\mathcal{O}(0; \{2^2, 3^2, 39^2\})$	72
78	$\mathcal{O}(0; \{2^3, 6, 39^2\})$	24
78	$\mathcal{O}(0; \{3, 6^2, 39^2\})$	120
78	$\mathcal{O}(0; \{2^2, 3^2, 26, 78\})$	24
78	$\mathcal{O}(0; \{2^3, 6, 26, 78\})$	24
78	$\mathcal{O}(0; \{3, 6^2, 26, 78\})$	72
78	$\mathcal{O}(0; \{3^2, 39, 78^2\})$	1320
78	$\mathcal{O}(0; \{2, 6, 39, 78^2\})$	792
80	$\mathcal{O}(0; \{4, 5^2, 16^2\})$	64
80	$\mathcal{O}(0; \{2, 10, 16^2, 20\})$	64
80	$\mathcal{O}(0; \{2^3, 5, 16, 80\})$	32
80	$\mathcal{O}(0; \{4^2, 5, 16, 80\})$	128
80	$\mathcal{O}(0; \{2, 10^2, 16, 80\})$	96
80	$\mathcal{O}(0; \{2^3, 4, 80^2\})$	64
80	$\mathcal{O}(0; \{4^3, 80^2\})$	256
80	$\mathcal{O}(0; \{2, 8^2, 80^2\})$	512
80	$\mathcal{O}(0; \{2, 5, 20, 80^2\})$	832
81	$\mathcal{O}(0; \{3^2, 9, 81^2\})$	1296
84	$\mathcal{O}(0; \{3, 4, 7, 12, 14\})$	24
84	$\mathcal{O}(0; \{2, 7, 12^2, 14\})$	24
84	$\mathcal{O}(0; \{2, 4, 21^2, 28\})$	120
84	$\mathcal{O}(0; \{3^2, 7, 28^2\})$	120
84	$\mathcal{O}(0; \{3, 4^2, 42^2\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 42^2\})$	24
84	$\mathcal{O}(0; \{3, 4, 7^2, 84\})$	120
84	$\mathcal{O}(0; \{2, 7^2, 12, 84\})$	120
84	$\mathcal{O}(0; \{2, 4, 14, 21, 84\})$	120
84	$\mathcal{O}(0; \{2^3, 3, 28, 84\})$	24
84	$\mathcal{O}(0; \{3, 4^2, 28, 84\})$	96
84	$\mathcal{O}(0; \{3^2, 6, 28, 84\})$	72
84	$\mathcal{O}(0; \{2, 6^2, 28, 84\})$	24
84	$\mathcal{O}(0; \{2, 4, 12, 28, 84\})$	96
84	$\mathcal{O}(0; \{2, 3, 42, 84^2\})$	360
88	$\mathcal{O}(0; \{2, 4, 8, 11, 88\})$	80
89	$\mathcal{O}(2; \emptyset)$	62742240
90	$\mathcal{O}(1; \{90^2\})$	194400

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
90	$\mathcal{O}(0; \{2, 5, 9^2, 10\})$	24
90	$\mathcal{O}(0; \{2, 5^2, 9, 90\})$	72
90	$\mathcal{O}(0; \{2, 3, 9, 15, 90\})$	96
90	$\mathcal{O}(0; \{2^4, 90^2\})$	24
90	$\mathcal{O}(0; \{3^3, 90^2\})$	192
90	$\mathcal{O}(0; \{2, 3, 6, 90^2\})$	96
91	$\mathcal{O}(0; \{91^4\})$	296856
92	$\mathcal{O}(0; \{2, 4^2, 23, 46\})$	44
92	$\mathcal{O}(0; \{2^2, 23, 92^2\})$	924
92	$\mathcal{O}(0; \{46^2, 92^2\})$	20372
93	$\mathcal{O}(0; \{31^2, 93^2\})$	52260
95	$\mathcal{O}(0; \{19^2, 95^2\})$	22104
96	$\mathcal{O}(0; \{24^2, 32^2\})$	512
96	$\mathcal{O}(0; \{16, 24, 32, 96\})$	1024
96	$\mathcal{O}(0; \{12, 32, 48, 96\})$	512
96	$\mathcal{O}(0; \{2^2, 8, 96^2\})$	128
96	$\mathcal{O}(0; \{16^2, 96^2\})$	2048
96	$\mathcal{O}(0; \{12, 24, 96^2\})$	768
98	$\mathcal{O}(0; \{2^2, 7, 49^2\})$	252
98	$\mathcal{O}(0; \{14^2, 49^2\})$	1512
98	$\mathcal{O}(0; \{7, 49, 98^2\})$	8820
99	$\mathcal{O}(0; \{11^2, 99^2\})$	5460
100	$\mathcal{O}(0; \{2^2, 5, 100^2\})$	160
100	$\mathcal{O}(0; \{10^2, 100^2\})$	640
102	$\mathcal{O}(0; \{2, 3^2, 17, 34\})$	32
102	$\mathcal{O}(0; \{6, 17, 51, 102\})$	480
104	$\mathcal{O}(0; \{8^2, 52^2\})$	192
104	$\mathcal{O}(0; \{8, 13^2, 104\})$	528
104	$\mathcal{O}(0; \{4, 52, 104^2\})$	2112
105	$\mathcal{O}(0; \{7, 15^2, 35\})$	144
105	$\mathcal{O}(0; \{5, 21^2, 105\})$	240
105	$\mathcal{O}(0; \{5, 15, 35, 105\})$	624
105	$\mathcal{O}(0; \{7^2, 105^2\})$	1488
108	$\mathcal{O}(0; \{4, 27^2, 36\})$	216
108	$\mathcal{O}(0; \{4, 18, 27, 108\})$	216
108	$\mathcal{O}(0; \{2^2, 3, 108^2\})$	72
108	$\mathcal{O}(0; \{6^2, 108^2\})$	144
108	$\mathcal{O}(0; \{4, 12, 108^2\})$	288
110	$\mathcal{O}(0; \{10^2, 11^2\})$	40
111	$\mathcal{O}(0; \{3, 37^2, 111\})$	2520
112	$\mathcal{O}(0; \{7^2, 16^2\})$	48
112	$\mathcal{O}(0; \{4, 7, 112^2\})$	480
114	$\mathcal{O}(0; \{6^2, 19^2\})$	36

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
115	$\mathcal{O}(0; \{5^2, 23, 115\})$	264
117	$\mathcal{O}(0; \{3, 9, 39, 117\})$	288
120	$\mathcal{O}(0; \{3, 8, 30, 40\})$	32
120	$\mathcal{O}(0; \{3, 8, 20, 120\})$	64
120	$\mathcal{O}(0; \{2^3, 120^2\})$	32
120	$\mathcal{O}(0; \{4^2, 120^2\})$	128
120	$\mathcal{O}(0; \{3, 6, 120^2\})$	96
122	$\mathcal{O}(0; \{2, 61^2, 122\})$	3540
124	$\mathcal{O}(0; \{4^2, 31^2\})$	60
126	$\mathcal{O}(0; \{2, 18, 63^2\})$	108
126	$\mathcal{O}(0; \{2, 18, 42, 126\})$	72
126	$\mathcal{O}(0; \{2, 14, 126^2\})$	180
130	$\mathcal{O}(0; \{2, 10, 65^2\})$	144
135	$\mathcal{O}(0; \{3^2, 135^2\})$	288
136	$\mathcal{O}(0; \{2, 8, 17, 136\})$	64
138	$\mathcal{O}(0; \{3^2, 46^2\})$	44
144	$\mathcal{O}(0; \{2, 4, 144^2\})$	96
156	$\mathcal{O}(0; \{2, 3, 52, 156\})$	48
178	$\mathcal{O}(1; \{2^2\})$	31680
180	$\mathcal{O}(0; \{2^2, 180^2\})$	48
181	$\mathcal{O}(0; \{181^3\})$	32220
182	$\mathcal{O}(0; \{2^2, 91^2\})$	72
182	$\mathcal{O}(0; \{91, 182^2\})$	3960
183	$\mathcal{O}(0; \{61, 183^2\})$	7080
184	$\mathcal{O}(0; \{46, 184^2\})$	1848
185	$\mathcal{O}(0; \{37, 185^2\})$	5040
186	$\mathcal{O}(0; \{31, 186^2\})$	1740
189	$\mathcal{O}(0; \{27, 63, 189\})$	648
189	$\mathcal{O}(0; \{21, 189^2\})$	1080
190	$\mathcal{O}(0; \{19, 190^2\})$	1224
192	$\mathcal{O}(0; \{16, 192^2\})$	512
195	$\mathcal{O}(0; \{15, 65, 195\})$	288
195	$\mathcal{O}(0; \{13, 195^2\})$	1056
198	$\mathcal{O}(0; \{11, 198^2\})$	540
200	$\mathcal{O}(0; \{10, 200^2\})$	320
208	$\mathcal{O}(0; \{13, 16, 208\})$	96
209	$\mathcal{O}(0; \{11, 19, 209\})$	180
210	$\mathcal{O}(0; \{10, 21, 210\})$	48
210	$\mathcal{O}(0; \{7, 210^2\})$	240
216	$\mathcal{O}(0; \{6, 216^2\})$	144
217	$\mathcal{O}(0; \{7, 31, 217\})$	180
222	$\mathcal{O}(0; \{6, 37, 222\})$	72
225	$\mathcal{O}(0; \{5, 225^2\})$	480

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
230	$\mathcal{O}(0; \{5, 46, 230\})$	88
240	$\mathcal{O}(0; \{4, 240^2\})$	128
244	$\mathcal{O}(0; \{4, 61, 244\})$	120
270	$\mathcal{O}(0; \{3, 270^2\})$	144
273	$\mathcal{O}(0; \{3, 91, 273\})$	144
360	$\mathcal{O}(0; \{2, 360^2\})$	96
362	$\mathcal{O}(0; \{2, 181, 362\})$	180