

Table 1: 51-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(51; \emptyset)$	1
2	$\mathcal{O}(26; \emptyset)$	4503599627370495
2	$\mathcal{O}(25; \{2^4\})$	1125899906842624
2	$\mathcal{O}(24; \{2^8\})$	281474976710656
2	$\mathcal{O}(23; \{2^{12}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{16}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{20}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{24}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{28}\})$	274877906944
2	$\mathcal{O}(18; \{2^{32}\})$	68719476736
2	$\mathcal{O}(17; \{2^{36}\})$	17179869184
2	$\mathcal{O}(16; \{2^{40}\})$	4294967296
2	$\mathcal{O}(15; \{2^{44}\})$	1073741824
2	$\mathcal{O}(14; \{2^{48}\})$	268435456
2	$\mathcal{O}(13; \{2^{52}\})$	67108864
2	$\mathcal{O}(12; \{2^{56}\})$	16777216
2	$\mathcal{O}(11; \{2^{60}\})$	4194304
2	$\mathcal{O}(10; \{2^{64}\})$	1048576
2	$\mathcal{O}(9; \{2^{68}\})$	262144
2	$\mathcal{O}(8; \{2^{72}\})$	65536
2	$\mathcal{O}(7; \{2^{76}\})$	16384
2	$\mathcal{O}(6; \{2^{80}\})$	4096
2	$\mathcal{O}(5; \{2^{84}\})$	1024
2	$\mathcal{O}(4; \{2^{88}\})$	256
2	$\mathcal{O}(3; \{2^{92}\})$	64
2	$\mathcal{O}(2; \{2^{96}\})$	16
2	$\mathcal{O}(1; \{2^{100}\})$	4
2	$\mathcal{O}(0; \{2^{104}\})$	1
3	$\mathcal{O}(17; \{3^2\})$	33354363399333138
3	$\mathcal{O}(16; \{3^5\})$	18530201888518410
3	$\mathcal{O}(15; \{3^8\})$	17706637360139814
3	$\mathcal{O}(14; \{3^{11}\})$	15601972454283402
3	$\mathcal{O}(13; \{3^{14}\})$	13883671154332998
3	$\mathcal{O}(12; \{3^{17}\})$	12339346448854890
3	$\mathcal{O}(11; \{3^{20}\})$	10968496240895334
3	$\mathcal{O}(10; \{3^{23}\})$	9749753515645002
3	$\mathcal{O}(9; \{3^{26}\})$	8666449893985158
3	$\mathcal{O}(8; \{3^{29}\})$	7703510758595370
3	$\mathcal{O}(7; \{3^{32}\})$	6847565147449254
3	$\mathcal{O}(6; \{3^{35}\})$	6086724572321802
3	$\mathcal{O}(5; \{3^{38}\})$	5410421842418118
3	$\mathcal{O}(4; \{3^{41}\})$	4809263859887850

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(3; \{3^{44}\})$	4274901208793574
3	$\mathcal{O}(2; \{3^{47}\})$	3799912185593802
3	$\mathcal{O}(1; \{3^{50}\})$	3377699720527878
3	$\mathcal{O}(0; \{3^{53}\})$	3002399751580330
4	$\mathcal{O}(13; \{2^2\})$	4503599560261632
4	$\mathcal{O}(12; \{2^6\})$	281474959933440
4	$\mathcal{O}(12; \{2^3, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{4^4\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{10}\})$	17592181850112
4	$\mathcal{O}(11; \{2^7, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^4, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2, 4^6\})$	562949953421312
4	$\mathcal{O}(10; \{2^{14}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{11}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^8, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^5, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^2, 4^8\})$	140737488355328
4	$\mathcal{O}(9; \{2^{18}\})$	68719214592
4	$\mathcal{O}(9; \{2^{15}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{12}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^9, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^6, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^3, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{4^{12}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{22}\})$	4294901760
4	$\mathcal{O}(8; \{2^{19}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{16}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{13}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{10}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^7, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^4, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2, 4^{14}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{26}\})$	268419072
4	$\mathcal{O}(7; \{2^{23}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{20}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{17}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{14}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{11}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^8, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^5, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^2, 4^{16}\})$	8796093022208
4	$\mathcal{O}(6; \{2^{30}\})$	16773120
4	$\mathcal{O}(6; \{2^{27}, 4^2\})$	33554432

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(6; \{2^{24}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{21}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{18}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{15}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{12}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^9, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^6, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^3, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{4^{20}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{34}\})$	1047552
4	$\mathcal{O}(5; \{2^{31}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{28}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{25}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{22}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{19}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{16}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{13}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{10}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^7, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^4, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2, 4^{22}\})$	2199023255552
4	$\mathcal{O}(4; \{2^{38}\})$	65280
4	$\mathcal{O}(4; \{2^{35}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{32}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{29}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{26}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{23}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{20}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{17}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{14}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{11}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^8, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^5, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^2, 4^{24}\})$	549755813888
4	$\mathcal{O}(3; \{2^{42}\})$	4032
4	$\mathcal{O}(3; \{2^{39}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{36}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{33}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{30}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{27}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{24}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{21}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{18}, 4^{16}\})$	134217728

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{15}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{12}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^9, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^6, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^3, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{4^{28}\})$	549755813888
4	$\mathcal{O}(2; \{2^{46}\})$	240
4	$\mathcal{O}(2; \{2^{43}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{40}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{37}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{34}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{31}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{28}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{25}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{22}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{19}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{16}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{13}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{10}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^7, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^4, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2, 4^{30}\})$	137438953472
4	$\mathcal{O}(1; \{2^{50}\})$	12
4	$\mathcal{O}(1; \{2^{47}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{44}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{41}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{38}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{35}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{32}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{29}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{26}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{23}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{20}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{17}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{14}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{11}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^8, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^5, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^2, 4^{32}\})$	34359738368
4	$\mathcal{O}(0; \{2^{51}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{48}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{45}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{42}, 4^8\})$	128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{39}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{36}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{33}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{30}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{27}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{24}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{21}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{18}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{15}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{12}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^9, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^6, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^3, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{4^{36}\})$	34359738368
5	$\mathcal{O}(11; \emptyset)$	2384185791015624
5	$\mathcal{O}(9; \{5^5\})$	778198242187500
5	$\mathcal{O}(7; \{5^{10}\})$	1280004882812500
5	$\mathcal{O}(5; \{5^{15}\})$	2097151992187500
5	$\mathcal{O}(3; \{5^{20}\})$	3435973836812500
5	$\mathcal{O}(1; \{5^{25}\})$	5629499534213100
6	$\mathcal{O}(8; \{3^4\})$	16926401164410
6	$\mathcal{O}(8; \{2, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^2, 6^2\})$	5642219814912
6	$\mathcal{O}(7; \{2^4, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{3^7\})$	3291094007334
6	$\mathcal{O}(7; \{2^5, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^6, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^2, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^3, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2, 6^5\})$	783641640960
6	$\mathcal{O}(6; \{2^8, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^4, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{3^{10}\})$	744277806090
6	$\mathcal{O}(6; \{2^9, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^5, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{10}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^6, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^2, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^7, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^3, 3^4, 6^3\})$	91424858112

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^4, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^5, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{6^8\})$	187203280896
6	$\mathcal{O}(5; \{2^{12}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^8, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{3^{13}\})$	164911456710
6	$\mathcal{O}(5; \{2^{13}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^9, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^5, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{14}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{10}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^6, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^{11}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^7, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^3, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^8, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^4, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^9, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^5, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^6, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2, 3, 6^9\})$	20679432192
6	$\mathcal{O}(4; \{2^{16}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{12}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^8, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{3^{16}\})$	36549559530
6	$\mathcal{O}(4; \{2^{17}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{13}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^9, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^5, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^{14}, 6\})$	18344765952

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{18}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{14}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{10}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^6, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^{15}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{11}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^7, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{12}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^8, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^4, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{13}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^9, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^5, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{10}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^6, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^7, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^8, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^5, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{3, 6^{12}\})$	4585351680
6	$\mathcal{O}(3; \{2^{20}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{16}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{12}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{3^{19}\})$	8026294374
6	$\mathcal{O}(3; \{2^{21}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{17}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{13}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^9, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{22}, 6^2\})$	93312

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{18}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{14}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{10}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{15}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{11}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^7, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{16}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{12}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^8, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^9, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^{14}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^7, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{12}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^8, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^9, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^5, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^6, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^7, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 6^{14}\})$	254835072
6	$\mathcal{O}(2; \{2^{24}, 3^4\})$	7776

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{20}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{16}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{12}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^8, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{3^{22}\})$	1698693930
6	$\mathcal{O}(2; \{2^{25}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{21}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{17}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{13}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^9, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^{26}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{22}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{18}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{14}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{10}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{23}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{19}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{15}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{11}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^7, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{16}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{12}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^8, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^{21}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{17}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{13}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^9, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^5, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^{18}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{14}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^{13}, 6^6\})$	226491552

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{15}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{11}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^7, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^{16}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{12}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^8, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^{13}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^9, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^5, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^{10}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^6, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^{11}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^7, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^8, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^4, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^5, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^6, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^2, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2, 6^{17}\})$	56622240
6	$\mathcal{O}(1; \{2^{28}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{24}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{20}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{3^{25}\})$	301989870
6	$\mathcal{O}(1; \{2^{29}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{25}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{21}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{17}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^{17}, 6\})$	3145752

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{30}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{26}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{22}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{18}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^{27}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{23}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{19}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{15}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{20}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{16}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{25}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{21}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{17}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{13}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^9, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{22}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{18}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{14}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{15}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{11}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^7, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{20}, 6^8\})$	3096

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{12}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^8, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{17}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{13}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^9, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^5, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^{14}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{10}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^6, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{15}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^7, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{12}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^8, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^9, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^5, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{10}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^7, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^5, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{6^{20}\})$	12582936
6	$\mathcal{O}(0; \{2^{32}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{28}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{24}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{22}\})$	1398102

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^{33}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{29}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{25}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{21}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{34}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{30}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{26}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{22}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^{31}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{27}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{23}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{19}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^{28}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{24}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{20}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{29}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{25}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{21}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{17}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{21}, 6^5\})$	22369622

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{26}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{22}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{18}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{19}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{15}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^7, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^{24}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{20}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{16}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{21}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{17}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{13}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{14}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^{19}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{15}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{11}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^7, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^{16}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{12}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^8, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^9, 3^5, 6^{13}\})$	87382

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^5, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{14}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^6, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^{11}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^7, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^3, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^8, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^4, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^9, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^5, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^6, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^2, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^4, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2, 3, 6^{21}\})$	1398102
7	$\mathcal{O}(6; \{7^5\})$	15363828793110
7	$\mathcal{O}(3; \{7^{12}\})$	36585180821994
7	$\mathcal{O}(0; \{7^{19}\})$	87051391430070
8	$\mathcal{O}(6; \{2^2, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{4, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^6, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^3, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^4, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^2, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{10}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^7, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^4, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^8, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^5, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^2, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^6, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^3, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2, 4, 8^6\})$	34359738368

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{14}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{11}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^8, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^5, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^2, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{12}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^9, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^6, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^3, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{10}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^7, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^4, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^5, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^2, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^3, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{4^2, 8^8\})$	17179869184
8	$\mathcal{O}(2; \{2^{18}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{15}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{12}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^9, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^6, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^3, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{16}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{13}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{10}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^7, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^4, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{14}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{11}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^8, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^5, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^2, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^9, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^6, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^3, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^7, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^4, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2, 4^4, 8^8\})$	1073741824

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^2, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^{22}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{19}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{16}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{13}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{10}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^7, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^4, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{20}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{17}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{14}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{11}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^8, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^5, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^2, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{18}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{15}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{12}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^9, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^6, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^3, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{13}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{10}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^7, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^4, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{11}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^8, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^5, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^2, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^6, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^3, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^4, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^{24}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{21}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{18}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{15}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{12}, 4^9, 8^2\})$	2048

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^9, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^6, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^3, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{22}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{19}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{16}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{13}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{10}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^7, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^4, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{17}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{14}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{11}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^8, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^5, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^2, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{15}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{12}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^9, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^6, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^3, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{10}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^7, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^4, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^8, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^5, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^2, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^3, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2, 8^{16}\})$	1073741824
9	$\mathcal{O}(5; \{3^2, 9^2\})$	83682825624
9	$\mathcal{O}(4; \{3^5, 9^2\})$	8264970432
9	$\mathcal{O}(4; \{3, 9^5\})$	69735688020
9	$\mathcal{O}(3; \{3^8, 9^2\})$	816293376
9	$\mathcal{O}(3; \{3^4, 9^5\})$	6887475360
9	$\mathcal{O}(3; \{9^8\})$	99954486162
9	$\mathcal{O}(2; \{3^{11}, 9^2\})$	80621568
9	$\mathcal{O}(2; \{3^7, 9^5\})$	680244480
9	$\mathcal{O}(2; \{3^3, 9^8\})$	9872048016

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(1; \{3^{14}, 9^2\})$	7962624
9	$\mathcal{O}(1; \{3^{10}, 9^5\})$	67184640
9	$\mathcal{O}(1; \{3^6, 9^8\})$	975017088
9	$\mathcal{O}(1; \{3^2, 9^{11}\})$	13047939432
9	$\mathcal{O}(0; \{3^{17}, 9^2\})$	786432
9	$\mathcal{O}(0; \{3^{13}, 9^5\})$	6635520
9	$\mathcal{O}(0; \{3^9, 9^8\})$	96297984
9	$\mathcal{O}(0; \{3^5, 9^{11}\})$	1288685376
9	$\mathcal{O}(0; \{3, 9^{14}\})$	17416384452
10	$\mathcal{O}(6; \emptyset)$	999755855280
10	$\mathcal{O}(5; \{2^4\})$	9999998976
10	$\mathcal{O}(4; \{2^8\})$	99999744
10	$\mathcal{O}(4; \{5^5\})$	20320312500
10	$\mathcal{O}(4; \{2^3, 5^2, 10\})$	1200000000
10	$\mathcal{O}(4; \{2, 5, 10^3\})$	5200000000
10	$\mathcal{O}(3; \{2^{12}\})$	999936
10	$\mathcal{O}(3; \{2^4, 5^5\})$	204000000
10	$\mathcal{O}(3; \{2^7, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{2^2, 5^4, 10^2\})$	820000000
10	$\mathcal{O}(3; \{2^5, 5, 10^3\})$	52000000
10	$\mathcal{O}(3; \{5^3, 10^4\})$	3276000000
10	$\mathcal{O}(3; \{2^3, 10^5\})$	204000000
10	$\mathcal{O}(2; \{2^{16}\})$	9984
10	$\mathcal{O}(2; \{2^8, 5^5\})$	2040000
10	$\mathcal{O}(2; \{5^{10}\})$	1966087500
10	$\mathcal{O}(2; \{2^{11}, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2^3, 5^7, 10\})$	131080000
10	$\mathcal{O}(2; \{2^6, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{2^9, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{2, 5^6, 10^3\})$	524280000
10	$\mathcal{O}(2; \{2^4, 5^3, 10^4\})$	32760000
10	$\mathcal{O}(2; \{2^7, 10^5\})$	2040000
10	$\mathcal{O}(2; \{2^2, 5^2, 10^6\})$	131080000
10	$\mathcal{O}(2; \{5, 10^8\})$	524280000
10	$\mathcal{O}(1; \{2^{20}\})$	96
10	$\mathcal{O}(1; \{2^{12}, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^4, 5^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^{15}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^7, 5^7, 10\})$	1310800
10	$\mathcal{O}(1; \{2^{10}, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^2, 5^9, 10^2\})$	83886000
10	$\mathcal{O}(1; \{2^{13}, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2^5, 5^6, 10^3\})$	5242800

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^8, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{5^8, 10^4\})$	335544400
10	$\mathcal{O}(1; \{2^{11}, 10^5\})$	20400
10	$\mathcal{O}(1; \{2^3, 5^5, 10^5\})$	20971600
10	$\mathcal{O}(1; \{2^6, 5^2, 10^6\})$	1310800
10	$\mathcal{O}(1; \{2, 5^4, 10^7\})$	83886000
10	$\mathcal{O}(1; \{2^4, 5, 10^8\})$	5242800
10	$\mathcal{O}(1; \{2^2, 10^{10}\})$	20971600
10	$\mathcal{O}(0; \{2^{16}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^8, 5^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{19}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^{11}, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^3, 5^{12}, 10\})$	13421772
10	$\mathcal{O}(0; \{2^{14}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^6, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{2^{17}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^9, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2, 5^{11}, 10^3\})$	53687092
10	$\mathcal{O}(0; \{2^{12}, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^4, 5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^{15}, 10^5\})$	204
10	$\mathcal{O}(0; \{2^7, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2^{10}, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^7, 10^6\})$	13421772
10	$\mathcal{O}(0; \{2^5, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^8, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{5^6, 10^8\})$	53687092
10	$\mathcal{O}(0; \{2^3, 5^3, 10^9\})$	3355444
10	$\mathcal{O}(0; \{2^6, 10^{10}\})$	209716
10	$\mathcal{O}(0; \{2, 5^2, 10^{11}\})$	13421772
11	$\mathcal{O}(1; \{11^{10}\})$	110000000110
12	$\mathcal{O}(4; \{2^2, 3^2\})$	856604160
12	$\mathcal{O}(4; \{3, 6^2\})$	856604160
12	$\mathcal{O}(4; \{3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^6, 3^2\})$	5878656
12	$\mathcal{O}(3; \{2^2, 3^5\})$	29393280
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^3, 3^3, 6\})$	17635968
12	$\mathcal{O}(3; \{3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^4, 3, 6^2\})$	5878656
12	$\mathcal{O}(3; \{3^4, 6^2\})$	64665216

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^2, 6^3\})$	29393280
12	$\mathcal{O}(3; \{2^2, 6^4\})$	17635968
12	$\mathcal{O}(3; \{2^4, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^2, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^5, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^2, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{3, 12^4\})$	238878720
12	$\mathcal{O}(2; \{2^{10}, 3^2\})$	38880
12	$\mathcal{O}(2; \{2^6, 3^5\})$	194400
12	$\mathcal{O}(2; \{2^2, 3^8\})$	1671840
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^3, 6\})$	116640
12	$\mathcal{O}(2; \{2^3, 3^6, 6\})$	816480
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^8, 3, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^4, 3^4, 6^2\})$	427680
12	$\mathcal{O}(2; \{3^7, 6^2\})$	3304800
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^5, 3^2, 6^3\})$	194400
12	$\mathcal{O}(2; \{2, 3^5, 6^3\})$	1671840
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^6, 6^4\})$	116640
12	$\mathcal{O}(2; \{2^2, 3^3, 6^4\})$	816480
12	$\mathcal{O}(2; \{2^3, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^3, 3, 6^5\})$	427680
12	$\mathcal{O}(2; \{3, 4^2, 6^5\})$	912384

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 6^6\})$	1671840
12	$\mathcal{O}(2; \{2, 6^7\})$	816480
12	$\mathcal{O}(2; \{2^8, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^6, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^3, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^9, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^3, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^4, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^4, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3, 12^4\})$	1658880

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^2, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^2, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{6, 12^6\})$	27869184
12	$\mathcal{O}(1; \{2^{14}, 3^2\})$	216
12	$\mathcal{O}(1; \{2^{10}, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^6, 3^8\})$	9288
12	$\mathcal{O}(1; \{2^2, 3^{11}\})$	73656
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{2^7, 3^6, 6\})$	4536
12	$\mathcal{O}(1; \{2^3, 3^9, 6\})$	36936
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^{12}, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{2^8, 3^4, 6^2\})$	2376
12	$\mathcal{O}(1; \{2^4, 3^7, 6^2\})$	18360
12	$\mathcal{O}(1; \{3^{10}, 6^2\})$	147528
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^9, 3^2, 6^3\})$	1080
12	$\mathcal{O}(1; \{2^5, 3^5, 6^3\})$	9288
12	$\mathcal{O}(1; \{2, 3^8, 6^3\})$	73656
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^3\})$	2880

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^{10}, 6^4\})$	648
12	$\mathcal{O}(1; \{2^6, 3^3, 6^4\})$	4536
12	$\mathcal{O}(1; \{2^2, 3^6, 6^4\})$	36936
12	$\mathcal{O}(1; \{2^7, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2^4, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^7, 3, 6^5\})$	2376
12	$\mathcal{O}(1; \{2^3, 3^4, 6^5\})$	18360
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^2, 6^6\})$	9288
12	$\mathcal{O}(1; \{3^5, 6^6\})$	73656
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^5, 6^7\})$	4536
12	$\mathcal{O}(1; \{2, 3^3, 6^7\})$	36936
12	$\mathcal{O}(1; \{2^2, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2^2, 3, 6^8\})$	18360
12	$\mathcal{O}(1; \{6^{10}\})$	36936
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 4, 6^2, 12\})$	576

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^7, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^4, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^5, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^2, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^{13}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^9, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^4, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^7, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^2, 12^2\})$	25344

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^8, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^5, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^2, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^5, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^3, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^8, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^5, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^2, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^3, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^6, 6^2, 12^4\})$	25344

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^3, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^3, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^6, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^3, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^3, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^4, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{2, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{2, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^2, 12^8\})$	1585152
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6\})$	48

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^8, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^5, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^2, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^6\})$	1364

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2^6, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^3, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^{14}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^2, 12\})$	16

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^2, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2^9, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2^3, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^4, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{2^{17}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^6, 12^2\})$	172

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^2, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^8, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^3, 12^2\})$	688

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^3, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^5, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^3, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^4, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^4, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^2, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^{12}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^9, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 4^5, 6, 12^3\})$	768

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^3, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^7, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^4, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^2, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^{12}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^8, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^9, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^5, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 6^2, 12^4\})$	176

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^7, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^4, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^7, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^5, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^2, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^4, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^7, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^5, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^5, 12^6\})$	21824

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^8, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^2, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^5, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^5, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^3, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^6, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^3, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^3, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2, 3, 12^{10}\})$	349184
13	$\mathcal{O}(3; \{13^4\})$	7703587164
14	$\mathcal{O}(3; \{2, 7^2, 14\})$	225886080
14	$\mathcal{O}(2; \{7^6\})$	240075990
14	$\mathcal{O}(2; \{2^5, 7^2, 14\})$	1152480
14	$\mathcal{O}(2; \{2^3, 7, 14^3\})$	7145376
14	$\mathcal{O}(2; \{2, 14^5\})$	42641760
14	$\mathcal{O}(1; \{2^4, 7^6\})$	1306536
14	$\mathcal{O}(1; \{2^9, 7^2, 14\})$	5880
14	$\mathcal{O}(1; \{2^2, 7^5, 14^2\})$	7838040

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^7, 7, 14^3\})$	36456
14	$\mathcal{O}(1; \{7^4, 14^4\})$	47029416
14	$\mathcal{O}(1; \{2^5, 14^5\})$	217560
14	$\mathcal{O}(0; \{2^8, 7^6\})$	6666
14	$\mathcal{O}(0; \{2^{13}, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{2, 7^9, 14\})$	8638026
14	$\mathcal{O}(0; \{2^6, 7^5, 14^2\})$	39990
14	$\mathcal{O}(0; \{2^{11}, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2^4, 7^4, 14^4\})$	239946
14	$\mathcal{O}(0; \{2^9, 14^5\})$	1110
14	$\mathcal{O}(0; \{2^2, 7^3, 14^6\})$	1439670
14	$\mathcal{O}(0; \{7^2, 14^8\})$	8638026
15	$\mathcal{O}(3; \{3^4\})$	68339376
15	$\mathcal{O}(3; \{5, 15^2\})$	273375000
15	$\mathcal{O}(2; \{3^7\})$	2122848
15	$\mathcal{O}(2; \{3^2, 5^3, 15\})$	5265000
15	$\mathcal{O}(2; \{3^3, 5, 15^2\})$	6075000
15	$\mathcal{O}(2; \{15^5\})$	103275000
15	$\mathcal{O}(1; \{3^{10}\})$	73872
15	$\mathcal{O}(1; \{3^4, 5^5\})$	275400
15	$\mathcal{O}(1; \{3^5, 5^3, 15\})$	257400
15	$\mathcal{O}(1; \{3^6, 5, 15^2\})$	232200
15	$\mathcal{O}(1; \{5^6, 15^2\})$	5898600
15	$\mathcal{O}(1; \{3, 5^4, 15^3\})$	4422600
15	$\mathcal{O}(1; \{3^2, 5^2, 15^4\})$	4059000
15	$\mathcal{O}(1; \{3^3, 15^5\})$	3947400
15	$\mathcal{O}(0; \{3^7, 5^5\})$	8568
15	$\mathcal{O}(0; \{3^8, 5^3, 15\})$	8840
15	$\mathcal{O}(0; \{3^2, 5^8, 15\})$	104856
15	$\mathcal{O}(0; \{3^9, 5, 15^2\})$	8184
15	$\mathcal{O}(0; \{3^3, 5^6, 15^2\})$	131080
15	$\mathcal{O}(0; \{3^4, 5^4, 15^3\})$	137592
15	$\mathcal{O}(0; \{3^5, 5^2, 15^4\})$	139400
15	$\mathcal{O}(0; \{3^6, 15^5\})$	139128
15	$\mathcal{O}(0; \{5^5, 15^5\})$	2097160
15	$\mathcal{O}(0; \{3, 5^3, 15^6\})$	2201976
15	$\mathcal{O}(0; \{3^2, 5, 15^7\})$	2228360
16	$\mathcal{O}(3; \{2, 8^2\})$	66060288
16	$\mathcal{O}(2; \{2^5, 8^2\})$	245760
16	$\mathcal{O}(2; \{2^2, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{4, 8^4\})$	7864320
16	$\mathcal{O}(2; \{2^3, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{4^2, 8, 16^2\})$	8388608

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^9, 8^2\})$	768
16	$\mathcal{O}(1; \{2^6, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^3, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{4^6, 8^2\})$	49152
16	$\mathcal{O}(1; \{2^4, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{2, 4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{2^2, 8^6\})$	196608
16	$\mathcal{O}(1; \{2^7, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^4, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{2, 4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^2, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{8^5, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^5, 16^4\})$	131072
16	$\mathcal{O}(1; \{2^2, 4^2, 16^4\})$	524288
16	$\mathcal{O}(1; \{4, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^{11}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^8, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^5, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^6, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^3, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{4^5, 8^3, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^4, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{2, 4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^9, 16^4\})$	512
16	$\mathcal{O}(0; \{2^6, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^3, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{4^6, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^4, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{2, 4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^2, 8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^2, 4, 8, 16^6\})$	262144
16	$\mathcal{O}(0; \{8^3, 16^6\})$	2097152
16	$\mathcal{O}(0; \{4, 16^8\})$	4194304
17	$\mathcal{O}(3; \{17^2\})$	386201104
18	$\mathcal{O}(2; \{9^4\})$	15943230
18	$\mathcal{O}(2; \{6, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^2, 3, 18^2\})$	1259712
18	$\mathcal{O}(2; \{6^2, 18^2\})$	2519424
18	$\mathcal{O}(1; \{2^4, 9^4\})$	52488
18	$\mathcal{O}(1; \{3^3, 9^4\})$	314928
18	$\mathcal{O}(1; \{2, 3, 6, 9^4\})$	209952

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^4, 6, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{3^3, 6, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2, 3, 6^2, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^6, 3, 18^2\})$	3888
18	$\mathcal{O}(1; \{2^2, 3^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^4, 6^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{3^3, 6^2, 18^2\})$	62208
18	$\mathcal{O}(1; \{2, 3, 6^3, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 9^3, 18^2\})$	262440
18	$\mathcal{O}(1; \{2, 3^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^2, 6, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{9^2, 18^4\})$	1732104
18	$\mathcal{O}(1; \{6, 18^5\})$	524880
18	$\mathcal{O}(0; \{2^8, 9^4\})$	162
18	$\mathcal{O}(0; \{2^4, 3^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^4\})$	648
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^3, 6^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{3, 6^4, 9^4\})$	5184
18	$\mathcal{O}(0; \{2, 6, 9^7\})$	61236
18	$\mathcal{O}(0; \{2^7, 3^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^3, 3^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^8, 6, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{3^6, 6, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^3, 6^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{3, 6^5, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^3, 3, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{3^2, 6, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2, 6^2, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^{10}, 3, 18^2\})$	12
18	$\mathcal{O}(0; \{2^6, 3^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^7, 18^2\})$	768
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 18^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^8, 6^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 18^2\})$	192

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^6, 6^2, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 18^2\})$	96
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 18^2\})$	768
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 18^2\})$	384
18	$\mathcal{O}(0; \{2^3, 6^5, 18^2\})$	192
18	$\mathcal{O}(0; \{3, 6^6, 18^2\})$	768
18	$\mathcal{O}(0; \{2^6, 9^3, 18^2\})$	810
18	$\mathcal{O}(0; \{2^2, 3^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{3^2, 6^2, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2, 6^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2, 3^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^6, 6, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{3^2, 6^3, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2, 6^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2, 3, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{2^4, 9^2, 18^4\})$	5346
18	$\mathcal{O}(0; \{3^3, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2, 3, 6, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^3, 3^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^4, 6, 18^5\})$	1620
18	$\mathcal{O}(0; \{3^3, 6, 18^5\})$	12960
18	$\mathcal{O}(0; \{2, 3, 6^2, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^2, 9, 18^6\})$	30618
18	$\mathcal{O}(0; \{18^8\})$	188082
20	$\mathcal{O}(3; \{2^2\})$	62995968
20	$\mathcal{O}(2; \{2^6\})$	149760
20	$\mathcal{O}(2; \{2^3, 4^2\})$	319488
20	$\mathcal{O}(2; \{4^4\})$	1277952
20	$\mathcal{O}(2; \{2, 5^2, 10\})$	1800000
20	$\mathcal{O}(2; \{2, 4, 5, 20\})$	1280000
20	$\mathcal{O}(1; \{2^{10}\})$	288
20	$\mathcal{O}(1; \{2^7, 4^2\})$	768
20	$\mathcal{O}(1; \{2^4, 4^4\})$	3072
20	$\mathcal{O}(1; \{2, 4^6\})$	12288
20	$\mathcal{O}(1; \{2^2, 5^5\})$	61200
20	$\mathcal{O}(1; \{2^5, 5^2, 10\})$	3600
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{5^4, 10^2\})$	246000
20	$\mathcal{O}(1; \{2^3, 5, 10^3\})$	15600

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{4^2, 5, 10^3\})$	41600
20	$\mathcal{O}(1; \{2, 10^5\})$	61200
20	$\mathcal{O}(1; \{2^5, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{4, 5^3, 10, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4, 10^2, 20\})$	9600
20	$\mathcal{O}(1; \{4^3, 10^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^3, 5^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{4^2, 5^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2, 5, 10^2, 20^2\})$	163200
20	$\mathcal{O}(1; \{2, 4, 10, 20^3\})$	166400
20	$\mathcal{O}(0; \{2^3, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{4^4, 5^5\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{4^6, 5^2, 10\})$	384
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10^2\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{2, 4^4, 5, 10^3\})$	416
20	$\mathcal{O}(0; \{2^2, 4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{2^9, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^6, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^3, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{4^7, 5, 20\})$	512
20	$\mathcal{O}(0; \{2, 4, 5^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{2, 4^3, 5^3, 10, 20\})$	1632
20	$\mathcal{O}(0; \{2^7, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^4, 4^3, 10^2, 20\})$	96
20	$\mathcal{O}(0; \{2, 4^5, 10^2, 20\})$	384
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{4, 5, 10^5, 20\})$	6552
20	$\mathcal{O}(0; \{2^7, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^2, 5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{5^3, 10^3, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{4^2, 10^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 4, 10, 20^3\})$	416

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{4, 5^2, 10^2, 20^3\})$	26208
20	$\mathcal{O}(0; \{5^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^3, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{4^2, 5, 10, 20^4\})$	26240
20	$\mathcal{O}(0; \{2, 10^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^3, 4, 20^5\})$	6528
20	$\mathcal{O}(0; \{4^3, 20^5\})$	26112
20	$\mathcal{O}(0; \{2, 5, 20^6\})$	104832
21	$\mathcal{O}(2; \{7, 21^2\})$	11668860
21	$\mathcal{O}(1; \{3^2, 7^4\})$	164052
21	$\mathcal{O}(1; \{3^3, 7, 21^2\})$	132300
21	$\mathcal{O}(1; \{21^5\})$	4895100
21	$\mathcal{O}(0; \{3^5, 7^4\})$	1860
21	$\mathcal{O}(0; \{3, 7^6, 21\})$	79980
21	$\mathcal{O}(0; \{3^6, 7, 21^2\})$	2580
21	$\mathcal{O}(0; \{3^2, 7^3, 21^3\})$	66660
21	$\mathcal{O}(0; \{3^3, 21^5\})$	95460
22	$\mathcal{O}(1; \{11^5\})$	3299670
22	$\mathcal{O}(0; \{2^4, 11^5\})$	9090
22	$\mathcal{O}(0; \{2^2, 11^4, 22^2\})$	90910
22	$\mathcal{O}(0; \{11^3, 22^4\})$	909090
24	$\mathcal{O}(1; \{3^4, 4^2\})$	5184
24	$\mathcal{O}(1; \{2, 3^2, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^2, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 3^3, 4, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{4, 6^3, 12\})$	5184
24	$\mathcal{O}(1; \{3, 6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^3, 6, 12^2\})$	1728
24	$\mathcal{O}(1; \{4^2, 6, 12^2\})$	6912
24	$\mathcal{O}(1; \{3, 6^2, 12^2\})$	8640
24	$\mathcal{O}(1; \{3, 4, 12^3\})$	20736
24	$\mathcal{O}(1; \{2, 12^4\})$	20736
24	$\mathcal{O}(1; \{2^2, 3^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3, 6^2, 8, 24\})$	13824
24	$\mathcal{O}(1; \{3, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2, 8, 12^2, 24\})$	18432
24	$\mathcal{O}(1; \{2^3, 4, 24^2\})$	9216

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{3, 4, 6, 24^2\})$	27648
24	$\mathcal{O}(1; \{2, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{3^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 6, 12, 24^2\})$	27648
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8^2\})$	48
24	$\mathcal{O}(0; \{3^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3^3, 4^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^4, 3, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^4, 6, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^2, 6^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{6, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{6^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{4, 8^2, 12^4\})$	768
24	$\mathcal{O}(0; \{2^6, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 3^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^2, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^7, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{3^4, 6^2, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 6^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^3, 24\})$	256

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^4, 3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3^4, 4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{6^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^5, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 4^2, 8, 12^2, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{6^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{4, 8^3, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{4, 6, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{3, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^7, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{3^3, 4^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 24^2\})$	48
24	$\mathcal{O}(0; \{3^4, 4, 6, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 24^2\})$	192
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 24^2\})$	80
24	$\mathcal{O}(0; \{2^5, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{6^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^4, 3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{3^5, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^5, 6, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 3^3, 6, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{6^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{4, 6, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^2, 3, 4, 12^2, 24^2\})$	320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4, 6^2, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{3, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^3, 12^3, 24^2\})$	320
24	$\mathcal{O}(0; \{4^2, 12^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{3, 6, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{4, 6^2, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{3, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^3, 8, 12, 24^3\})$	768
24	$\mathcal{O}(0; \{4^2, 8, 12, 24^3\})$	3072
24	$\mathcal{O}(0; \{3, 6, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 3^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^3, 6, 24^4\})$	640
24	$\mathcal{O}(0; \{4^2, 6, 24^4\})$	2560
24	$\mathcal{O}(0; \{3, 6^2, 24^4\})$	2688
24	$\mathcal{O}(0; \{3, 4, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 12^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 8, 24^5\})$	10240
25	$\mathcal{O}(3; \emptyset)$	244125000
25	$\mathcal{O}(1; \{5^5\})$	122400
26	$\mathcal{O}(2; \{13^2\})$	5140980
26	$\mathcal{O}(1; \{2^4, 13^2\})$	8112
26	$\mathcal{O}(1; \{2^2, 13, 26^2\})$	89232
26	$\mathcal{O}(1; \{26^4\})$	1078896
26	$\mathcal{O}(0; \{2^8, 13^2\})$	12
26	$\mathcal{O}(0; \{2^6, 13, 26^2\})$	132
26	$\mathcal{O}(0; \{2^4, 26^4\})$	1596
27	$\mathcal{O}(1; \{9^2, 27^2\})$	472392
27	$\mathcal{O}(0; \{3^3, 9^2, 27^2\})$	5184
27	$\mathcal{O}(0; \{9, 27^5\})$	393660
28	$\mathcal{O}(1; \{2^2, 7^3\})$	17640
28	$\mathcal{O}(1; \{7^2, 14^2\})$	109368
28	$\mathcal{O}(1; \{2^2, 4, 7, 28\})$	9408
28	$\mathcal{O}(1; \{4, 14^2, 28\})$	47040
28	$\mathcal{O}(0; \{2^3, 4^2, 7^3\})$	60
28	$\mathcal{O}(0; \{4^4, 7^3\})$	240
28	$\mathcal{O}(0; \{2, 4^2, 7^2, 14^2\})$	372
28	$\mathcal{O}(0; \{2^6, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{2^3, 4^3, 7, 28\})$	48
28	$\mathcal{O}(0; \{4^5, 7, 28\})$	192
28	$\mathcal{O}(0; \{2^4, 4, 14^2, 28\})$	60
28	$\mathcal{O}(0; \{2, 4^3, 14^2, 28\})$	240
28	$\mathcal{O}(0; \{2^2, 7^2, 14, 28^2\})$	2220

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{7, 14^3, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4, 14, 28^3\})$	1488
28	$\mathcal{O}(0; \{7^2, 28^4\})$	53328
28	$\mathcal{O}(0; \{4, 28^5\})$	35520
30	$\mathcal{O}(2; \{3^2\})$	1516320
30	$\mathcal{O}(1; \{2^4, 3^2\})$	1728
30	$\mathcal{O}(1; \{3^5\})$	6480
30	$\mathcal{O}(1; \{2, 3^3, 6\})$	5184
30	$\mathcal{O}(1; \{2^2, 3, 6^2\})$	1728
30	$\mathcal{O}(1; \{6^4\})$	5184
30	$\mathcal{O}(1; \{3, 6, 10, 15\})$	7200
30	$\mathcal{O}(1; \{3, 5, 15^2\})$	16200
30	$\mathcal{O}(1; \{3, 5, 10, 30\})$	21600
30	$\mathcal{O}(1; \{2, 15^2, 30\})$	21600
30	$\mathcal{O}(1; \{2, 10, 30^2\})$	21600
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 10\})$	24
30	$\mathcal{O}(0; \{3^3, 5^2, 6, 10\})$	72
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5, 10^3\})$	104
30	$\mathcal{O}(0; \{2, 3, 5^3, 6, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{3^4, 6, 10, 15\})$	88
30	$\mathcal{O}(0; \{2, 3^2, 6^2, 10, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 6^3, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 3, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5, 6, 15^2\})$	120
30	$\mathcal{O}(0; \{2^2, 5, 6^2, 15^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{6^2, 10^2, 15^2\})$	312
30	$\mathcal{O}(0; \{5, 6, 10, 15^3\})$	1224
30	$\mathcal{O}(0; \{2, 3, 5^4, 30\})$	408
30	$\mathcal{O}(0; \{2^4, 3, 5, 10, 30\})$	24
30	$\mathcal{O}(0; \{3^4, 5, 10, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^2, 5, 6, 10, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 5, 6^2, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{6^2, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 5^2, 6, 15, 30\})$	104
30	$\mathcal{O}(0; \{5, 6, 10^2, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^5, 15^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 15^2, 30\})$	264

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3, 6, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{6^3, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{5^2, 10, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{3, 10, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 5^3, 30^2\})$	408
30	$\mathcal{O}(0; \{2^5, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3, 6, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{6^3, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{5^2, 10^2, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{5, 6^2, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{3, 10^2, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{5^2, 6, 30^3\})$	1224
30	$\mathcal{O}(0; \{2^3, 15, 30^3\})$	312
30	$\mathcal{O}(0; \{3, 6, 15, 30^3\})$	1144
30	$\mathcal{O}(0; \{3, 5, 30^4\})$	2040
30	$\mathcal{O}(0; \{2, 30^5\})$	2040
32	$\mathcal{O}(1; \{2, 4, 16^2\})$	12288
32	$\mathcal{O}(0; \{2^3, 4, 16, 32^2\})$	256
32	$\mathcal{O}(0; \{4^3, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{2, 8^2, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{2, 4, 32^4\})$	8192
33	$\mathcal{O}(0; \{3^2, 11^3, 33\})$	1820
34	$\mathcal{O}(1; \{2^2, 34^2\})$	18496
34	$\mathcal{O}(0; \{2^6, 34^2\})$	16
35	$\mathcal{O}(0; \{35^5\})$	226440
36	$\mathcal{O}(1; \{2^2, 9^2\})$	5832
36	$\mathcal{O}(1; \{9, 18^2\})$	17496
36	$\mathcal{O}(1; \{9, 12, 36\})$	31104
36	$\mathcal{O}(1; \{6, 36^2\})$	31104
36	$\mathcal{O}(0; \{2^3, 4^2, 9^2\})$	12
36	$\mathcal{O}(0; \{4^4, 9^2\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 6, 9^2\})$	48
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{2, 3, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{2, 4^2, 9, 18^2\})$	36
36	$\mathcal{O}(0; \{2^3, 3, 4, 9, 36\})$	24
36	$\mathcal{O}(0; \{3, 4^3, 9, 36\})$	96
36	$\mathcal{O}(0; \{3^2, 4, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{2, 4, 6^2, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^4, 9, 12, 36\})$	24

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3^3, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3, 6, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 3, 4, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 12, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2^3, 3^2, 36^2\})$	48
36	$\mathcal{O}(0; \{3^2, 4^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2^4, 6, 36^2\})$	24
36	$\mathcal{O}(0; \{3^3, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3, 6^2, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3, 4, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{2^2, 12^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2^2, 9, 18, 36^2\})$	324
36	$\mathcal{O}(0; \{18^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{12, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{9, 36^4\})$	6480
39	$\mathcal{O}(1; \{3, 13, 39\})$	36504
39	$\mathcal{O}(0; \{3^4, 13, 39\})$	120
39	$\mathcal{O}(0; \{3, 39^4\})$	15960
40	$\mathcal{O}(1; \{2^2, 4^2\})$	2304
40	$\mathcal{O}(1; \{4, 8^2\})$	12288
40	$\mathcal{O}(1; \{4, 5, 20\})$	9600
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 20\})$	32
40	$\mathcal{O}(0; \{8^2, 10^2, 20\})$	96
40	$\mathcal{O}(0; \{2^2, 4, 8, 10, 40\})$	32
40	$\mathcal{O}(0; \{8^3, 10, 40\})$	256
40	$\mathcal{O}(0; \{5, 8, 10, 20, 40\})$	416
40	$\mathcal{O}(0; \{4, 8, 20^2, 40\})$	384
40	$\mathcal{O}(0; \{2^2, 4, 5, 40^2\})$	96
40	$\mathcal{O}(0; \{5, 8^2, 40^2\})$	768
40	$\mathcal{O}(0; \{4, 10^2, 40^2\})$	416
40	$\mathcal{O}(0; \{5^2, 20, 40^2\})$	1632
42	$\mathcal{O}(0; \{2, 3^2, 6, 7^2\})$	12
42	$\mathcal{O}(0; \{2^2, 6^2, 7^2\})$	12
42	$\mathcal{O}(0; \{6^2, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{2, 3^3, 14, 21\})$	36
42	$\mathcal{O}(0; \{2^2, 3, 6, 14, 21\})$	12
42	$\mathcal{O}(0; \{6^3, 14, 21\})$	36
42	$\mathcal{O}(0; \{6, 7^3, 42\})$	372
42	$\mathcal{O}(0; \{3, 7, 14, 21, 42\})$	372
42	$\mathcal{O}(0; \{2^3, 21^2, 42\})$	60
42	$\mathcal{O}(0; \{3, 6, 21^2, 42\})$	300

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^3, 14, 42^2\})$	60
42	$\mathcal{O}(0; \{3, 6, 14, 42^2\})$	180
42	$\mathcal{O}(0; \{2, 21, 42^3\})$	1116
44	$\mathcal{O}(0; \{4^2, 11^2, 22\})$	180
44	$\mathcal{O}(0; \{2, 11^2, 44^2\})$	1820
45	$\mathcal{O}(0; \{3, 5, 9^2, 45\})$	144
45	$\mathcal{O}(0; \{3, 5^2, 45^2\})$	624
45	$\mathcal{O}(0; \{3^2, 15, 45^2\})$	576
48	$\mathcal{O}(0; \{3^2, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{2^3, 3, 16, 48\})$	16
48	$\mathcal{O}(0; \{3, 4^2, 16, 48\})$	64
48	$\mathcal{O}(0; \{3^2, 6, 16, 48\})$	48
48	$\mathcal{O}(0; \{2, 6^2, 16, 48\})$	16
48	$\mathcal{O}(0; \{2, 4, 12, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 4, 8, 48^2\})$	128
48	$\mathcal{O}(0; \{2, 3, 24, 48^2\})$	192
50	$\mathcal{O}(2; \emptyset)$	5850000
50	$\mathcal{O}(1; \{2^4\})$	2400
51	$\mathcal{O}(1; \{51^2\})$	83232
51	$\mathcal{O}(0; \{3^3, 51^2\})$	160
52	$\mathcal{O}(1; \{26^2\})$	24336
52	$\mathcal{O}(0; \{2, 4^2, 26^2\})$	24
52	$\mathcal{O}(0; \{2^2, 26, 52^2\})$	264
52	$\mathcal{O}(0; \{52^4\})$	12768
54	$\mathcal{O}(0; \{18, 27^2, 54\})$	972
54	$\mathcal{O}(0; \{2^2, 9, 54^2\})$	108
54	$\mathcal{O}(0; \{18^2, 54^2\})$	648
55	$\mathcal{O}(1; \{11^2\})$	29040
56	$\mathcal{O}(0; \{2^2, 8, 14, 56\})$	24
56	$\mathcal{O}(0; \{8, 28^2, 56\})$	480
56	$\mathcal{O}(0; \{7, 28, 56^2\})$	1488
60	$\mathcal{O}(1; \{6^2\})$	5184
60	$\mathcal{O}(0; \{10, 12^2, 15\})$	16
60	$\mathcal{O}(0; \{6, 15, 20^2\})$	48
60	$\mathcal{O}(0; \{6, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{2^2, 4, 15, 60\})$	16
60	$\mathcal{O}(0; \{6, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{6, 10, 20, 60\})$	48
60	$\mathcal{O}(0; \{5, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{5, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{4, 30^2, 60\})$	48
60	$\mathcal{O}(0; \{5, 10, 60^2\})$	208
60	$\mathcal{O}(0; \{4, 20, 60^2\})$	192

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Table 1 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
63	$\mathcal{O}(0; \{7, 9^2, 21\})$	72
63	$\mathcal{O}(0; \{7^2, 9, 63\})$	180
63	$\mathcal{O}(0; \{3, 21, 63^2\})$	720
66	$\mathcal{O}(0; \{3, 11, 22, 66\})$	180
68	$\mathcal{O}(0; \{2^3, 68^2\})$	32
68	$\mathcal{O}(0; \{4^2, 68^2\})$	128
70	$\mathcal{O}(0; \{2, 35^2, 70\})$	360
72	$\mathcal{O}(0; \{2, 18, 24, 72\})$	48
72	$\mathcal{O}(0; \{3, 4, 72^2\})$	96
72	$\mathcal{O}(0; \{2, 12, 72^2\})$	96
75	$\mathcal{O}(1; \{3^2\})$	10800
78	$\mathcal{O}(0; \{2, 6, 39^2\})$	24
78	$\mathcal{O}(0; \{3^2, 26, 78\})$	24
78	$\mathcal{O}(0; \{2, 6, 26, 78\})$	24
84	$\mathcal{O}(0; \{2, 4, 21, 84\})$	24
100	$\mathcal{O}(1; \{2^2\})$	7200
102	$\mathcal{O}(0; \{2^2, 102^2\})$	32
103	$\mathcal{O}(0; \{103^3\})$	10302
104	$\mathcal{O}(0; \{52, 104^2\})$	1056
105	$\mathcal{O}(0; \{35, 105^2\})$	720
108	$\mathcal{O}(0; \{27, 36, 108\})$	216
108	$\mathcal{O}(0; \{18, 108^2\})$	216
112	$\mathcal{O}(0; \{16, 28, 112\})$	96
117	$\mathcal{O}(0; \{9, 39, 117\})$	144
119	$\mathcal{O}(0; \{7, 119^2\})$	480
120	$\mathcal{O}(0; \{8, 30, 120\})$	32
126	$\mathcal{O}(0; \{7, 18, 126\})$	36
136	$\mathcal{O}(0; \{4, 136^2\})$	128
140	$\mathcal{O}(0; \{4, 35, 140\})$	48
153	$\mathcal{O}(0; \{3, 153^2\})$	192
156	$\mathcal{O}(0; \{3, 52, 156\})$	48
204	$\mathcal{O}(0; \{2, 204^2\})$	64
206	$\mathcal{O}(0; \{2, 103, 206\})$	102

Table 2: 52-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(52; \emptyset)$	1
2	$\mathcal{O}(26; \{2^2\})$	4503599627370496
2	$\mathcal{O}(25; \{2^6\})$	1125899906842624

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(24; \{2^{10}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{14}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{18}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{22}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{26}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{30}\})$	274877906944
2	$\mathcal{O}(18; \{2^{34}\})$	68719476736
2	$\mathcal{O}(17; \{2^{38}\})$	17179869184
2	$\mathcal{O}(16; \{2^{42}\})$	4294967296
2	$\mathcal{O}(15; \{2^{46}\})$	1073741824
2	$\mathcal{O}(14; \{2^{50}\})$	268435456
2	$\mathcal{O}(13; \{2^{54}\})$	67108864
2	$\mathcal{O}(12; \{2^{58}\})$	16777216
2	$\mathcal{O}(11; \{2^{62}\})$	4194304
2	$\mathcal{O}(10; \{2^{66}\})$	1048576
2	$\mathcal{O}(9; \{2^{70}\})$	262144
2	$\mathcal{O}(8; \{2^{74}\})$	65536
2	$\mathcal{O}(7; \{2^{78}\})$	16384
2	$\mathcal{O}(6; \{2^{82}\})$	4096
2	$\mathcal{O}(5; \{2^{86}\})$	1024
2	$\mathcal{O}(4; \{2^{90}\})$	256
2	$\mathcal{O}(3; \{2^{94}\})$	64
2	$\mathcal{O}(2; \{2^{98}\})$	16
2	$\mathcal{O}(1; \{2^{102}\})$	4
2	$\mathcal{O}(0; \{2^{106}\})$	1
3	$\mathcal{O}(18; \emptyset)$	150094635296999120
3	$\mathcal{O}(17; \{3^3\})$	33354363399333138
3	$\mathcal{O}(16; \{3^6\})$	40766444154740502
3	$\mathcal{O}(15; \{3^9\})$	35001492456090330
3	$\mathcal{O}(14; \{3^{12}\})$	31249698493476726
3	$\mathcal{O}(13; \{3^{15}\})$	27762258577009338
3	$\mathcal{O}(12; \{3^{18}\})$	24679257756782742
3	$\mathcal{O}(11; \{3^{21}\})$	21936929719671450
3	$\mathcal{O}(10; \{3^{24}\})$	19499514004858806
3	$\mathcal{O}(9; \{3^{27}\})$	17332899013129338
3	$\mathcal{O}(8; \{3^{30}\})$	15407021603284182
3	$\mathcal{O}(7; \{3^{33}\})$	13695130285332570
3	$\mathcal{O}(6; \{3^{36}\})$	12173449145706486
3	$\mathcal{O}(5; \{3^{39}\})$	10820843684718138
3	$\mathcal{O}(4; \{3^{42}\})$	9618527719788822
3	$\mathcal{O}(3; \{3^{45}\})$	8549802417585690
3	$\mathcal{O}(2; \{3^{48}\})$	7599824371187766
3	$\mathcal{O}(1; \{3^{51}\})$	6755399441055738

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(0; \{3^{54}\})$	6004799503160662
4	$\mathcal{O}(13; \{4^2\})$	9007199254740992
4	$\mathcal{O}(12; \{2^4, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2, 4^4\})$	2251799813685248
4	$\mathcal{O}(11; \{2^8, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^5, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^2, 4^6\})$	562949953421312
4	$\mathcal{O}(10; \{2^{12}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^9, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^6, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^3, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{4^{10}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{16}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{13}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{10}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^7, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^4, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2, 4^{12}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{20}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{17}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{14}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{11}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^8, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^5, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^2, 4^{14}\})$	35184372088832
4	$\mathcal{O}(7; \{2^{24}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{21}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{18}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{15}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{12}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^9, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^6, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^3, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{4^{18}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{28}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{25}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{22}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{19}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{16}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{13}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{10}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^7, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^4, 4^{18}\})$	2199023255552

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$O(6; \{2, 4^{20}\})$	8796093022208
4	$O(5; \{2^{32}, 4^2\})$	2097152
4	$O(5; \{2^{29}, 4^4\})$	8388608
4	$O(5; \{2^{26}, 4^6\})$	33554432
4	$O(5; \{2^{23}, 4^8\})$	134217728
4	$O(5; \{2^{20}, 4^{10}\})$	536870912
4	$O(5; \{2^{17}, 4^{12}\})$	2147483648
4	$O(5; \{2^{14}, 4^{14}\})$	8589934592
4	$O(5; \{2^{11}, 4^{16}\})$	34359738368
4	$O(5; \{2^8, 4^{18}\})$	137438953472
4	$O(5; \{2^5, 4^{20}\})$	549755813888
4	$O(5; \{2^2, 4^{22}\})$	2199023255552
4	$O(4; \{2^{36}, 4^2\})$	131072
4	$O(4; \{2^{33}, 4^4\})$	524288
4	$O(4; \{2^{30}, 4^6\})$	2097152
4	$O(4; \{2^{27}, 4^8\})$	8388608
4	$O(4; \{2^{24}, 4^{10}\})$	33554432
4	$O(4; \{2^{21}, 4^{12}\})$	134217728
4	$O(4; \{2^{18}, 4^{14}\})$	536870912
4	$O(4; \{2^{15}, 4^{16}\})$	2147483648
4	$O(4; \{2^{12}, 4^{18}\})$	8589934592
4	$O(4; \{2^9, 4^{20}\})$	34359738368
4	$O(4; \{2^6, 4^{22}\})$	137438953472
4	$O(4; \{2^3, 4^{24}\})$	549755813888
4	$O(4; \{4^{26}\})$	2199023255552
4	$O(3; \{2^{40}, 4^2\})$	8192
4	$O(3; \{2^{37}, 4^4\})$	32768
4	$O(3; \{2^{34}, 4^6\})$	131072
4	$O(3; \{2^{31}, 4^8\})$	524288
4	$O(3; \{2^{28}, 4^{10}\})$	2097152
4	$O(3; \{2^{25}, 4^{12}\})$	8388608
4	$O(3; \{2^{22}, 4^{14}\})$	33554432
4	$O(3; \{2^{19}, 4^{16}\})$	134217728
4	$O(3; \{2^{16}, 4^{18}\})$	536870912
4	$O(3; \{2^{13}, 4^{20}\})$	2147483648
4	$O(3; \{2^{10}, 4^{22}\})$	8589934592
4	$O(3; \{2^7, 4^{24}\})$	34359738368
4	$O(3; \{2^4, 4^{26}\})$	137438953472
4	$O(3; \{2, 4^{28}\})$	549755813888
4	$O(2; \{2^{44}, 4^2\})$	512
4	$O(2; \{2^{41}, 4^4\})$	2048
4	$O(2; \{2^{38}, 4^6\})$	8192
4	$O(2; \{2^{35}, 4^8\})$	32768

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$O(2; \{2^{32}, 4^{10}\})$	131072
4	$O(2; \{2^{29}, 4^{12}\})$	524288
4	$O(2; \{2^{26}, 4^{14}\})$	2097152
4	$O(2; \{2^{23}, 4^{16}\})$	8388608
4	$O(2; \{2^{20}, 4^{18}\})$	33554432
4	$O(2; \{2^{17}, 4^{20}\})$	134217728
4	$O(2; \{2^{14}, 4^{22}\})$	536870912
4	$O(2; \{2^{11}, 4^{24}\})$	2147483648
4	$O(2; \{2^8, 4^{26}\})$	8589934592
4	$O(2; \{2^5, 4^{28}\})$	34359738368
4	$O(2; \{2^2, 4^{30}\})$	137438953472
4	$O(1; \{2^{48}, 4^2\})$	32
4	$O(1; \{2^{45}, 4^4\})$	128
4	$O(1; \{2^{42}, 4^6\})$	512
4	$O(1; \{2^{39}, 4^8\})$	2048
4	$O(1; \{2^{36}, 4^{10}\})$	8192
4	$O(1; \{2^{33}, 4^{12}\})$	32768
4	$O(1; \{2^{30}, 4^{14}\})$	131072
4	$O(1; \{2^{27}, 4^{16}\})$	524288
4	$O(1; \{2^{24}, 4^{18}\})$	2097152
4	$O(1; \{2^{21}, 4^{20}\})$	8388608
4	$O(1; \{2^{18}, 4^{22}\})$	33554432
4	$O(1; \{2^{15}, 4^{24}\})$	134217728
4	$O(1; \{2^{12}, 4^{26}\})$	536870912
4	$O(1; \{2^9, 4^{28}\})$	2147483648
4	$O(1; \{2^6, 4^{30}\})$	8589934592
4	$O(1; \{2^3, 4^{32}\})$	34359738368
4	$O(1; \{4^{34}\})$	137438953472
4	$O(0; \{2^{52}, 4^2\})$	2
4	$O(0; \{2^{49}, 4^4\})$	8
4	$O(0; \{2^{46}, 4^6\})$	32
4	$O(0; \{2^{43}, 4^8\})$	128
4	$O(0; \{2^{40}, 4^{10}\})$	512
4	$O(0; \{2^{37}, 4^{12}\})$	2048
4	$O(0; \{2^{34}, 4^{14}\})$	8192
4	$O(0; \{2^{31}, 4^{16}\})$	32768
4	$O(0; \{2^{28}, 4^{18}\})$	131072
4	$O(0; \{2^{25}, 4^{20}\})$	524288
4	$O(0; \{2^{22}, 4^{22}\})$	2097152
4	$O(0; \{2^{19}, 4^{24}\})$	8388608
4	$O(0; \{2^{16}, 4^{26}\})$	33554432
4	$O(0; \{2^{13}, 4^{28}\})$	134217728
4	$O(0; \{2^{10}, 4^{30}\})$	536870912

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^7, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^4, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2, 4^{36}\})$	34359738368
5	$\mathcal{O}(10; \{5^3\})$	1144409179687500
5	$\mathcal{O}(8; \{5^8\})$	2000122070312500
5	$\mathcal{O}(6; \{5^{13}\})$	3276799804687500
5	$\mathcal{O}(4; \{5^{18}\})$	5368709120312500
5	$\mathcal{O}(2; \{5^{23}\})$	8796093022207500
5	$\mathcal{O}(0; \{5^{28}\})$	14411518807585588
6	$\mathcal{O}(9; \{2^2\})$	101559956406272
6	$\mathcal{O}(8; \{2^6\})$	2821109841920
6	$\mathcal{O}(8; \{2^2, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^3, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{2, 6^3\})$	5642219814912
6	$\mathcal{O}(7; \{2^{10}\})$	78364147712
6	$\mathcal{O}(7; \{2^6, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^2, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^7, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^3, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^4, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{2^5, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2^2, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{6^6\})$	1724011610112
6	$\mathcal{O}(6; \{2^{14}\})$	2176778240
6	$\mathcal{O}(6; \{2^{10}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^6, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^2, 3^9\})$	370052997120
6	$\mathcal{O}(6; \{2^{11}, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^7, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^3, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^8, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^4, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{2^9, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^5, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2^6, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^2, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2^3, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^4, 6^6\})$	47889211392

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{2, 3, 6^7\})$	187203280896
6	$\mathcal{O}(5; \{2^{18}\})$	60465152
6	$\mathcal{O}(5; \{2^{14}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{10}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^6, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^{15}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{11}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^7, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^{12}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^8, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{2^{13}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^9, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^5, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2^{10}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^6, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{2^7, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^3, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^8, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^4, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{2^5, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{3, 6^{10}\})$	41237932032
6	$\mathcal{O}(4; \{2^{22}\})$	1679360
6	$\mathcal{O}(4; \{2^{18}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{14}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{10}, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^6, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^{19}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{15}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{11}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^7, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^{13}, 6\})$	9174062592

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{16}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{12}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^8, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{2^{17}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{13}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^9, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^5, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2^{14}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{10}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^6, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^7, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^{12}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^8, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^4, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{2^9, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^5, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2^6, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^7, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{3^4, 6^{10}\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 6^{12}\})$	2294355456
6	$\mathcal{O}(3; \{2^{26}\})$	46592
6	$\mathcal{O}(3; \{2^{22}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{18}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{14}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{10}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^{23}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{19}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{15}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{11}, 3^{10}, 6\})$	31819392

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^7, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{16}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{12}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{2^{21}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{17}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{13}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^9, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2^{18}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{14}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{10}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^7, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^{16}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^8, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{2^{13}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^9, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2, 3^{10}, 6^7\})$	2038400640
6	$\mathcal{O}(3; \{2^{10}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{2^{11}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^7, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^8, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{2^5, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2, 3^5, 6^{11}\})$	1019246976

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^6, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{2, 6^{15}\})$	509576832
6	$\mathcal{O}(2; \{2^{30}\})$	1280
6	$\mathcal{O}(2; \{2^{26}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{22}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{18}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{14}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{10}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^{27}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{23}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{19}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{15}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{11}, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^7, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^{24}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{20}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{16}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{12}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^8, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{2^{25}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{21}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{17}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{13}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^9, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2^{22}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{18}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{14}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{10}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{15}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^{11}, 3^8, 6^5\})$	3538080

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^7, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^{20}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{16}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{12}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^8, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{3^{15}, 6^6\})$	905968800
6	$\mathcal{O}(2; \{2^{17}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{13}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^9, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^5, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^{15}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^{11}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^7, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^{12}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^8, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{2^9, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^5, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2^{10}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^6, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^7, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{2^5, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{6^{18}\})$	113247072
6	$\mathcal{O}(1; \{2^{34}\})$	32
6	$\mathcal{O}(1; \{2^{30}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{26}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{22}, 3^9\})$	6120

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{18}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^{31}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{27}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{23}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{19}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2^{28}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{24}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{20}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{2^{29}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{25}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{21}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{17}, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^{15}, 6^3\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2^{26}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^{22}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{18}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^{10}, 6^4\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{2^{23}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{19}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{15}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2^{24}, 6^6\})$	792

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{20}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{16}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{2^{21}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{17}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{13}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^9, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{14}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{10}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^{19}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{15}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{11}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^7, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^{16}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{12}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^8, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{3^{13}, 6^{10}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^9, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^5, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2^{14}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^6, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^{11}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^7, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{2^9, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{15}\})$	3145752

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2, 3^6, 6^{15}\})$	25165800
6	$\mathcal{O}(1; \{2^6, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{2, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(0; \{2^{34}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{30}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{26}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{22}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{35}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{31}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{27}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{23}, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{25}, 6\})$	22369622
6	$\mathcal{O}(0; \{2^{32}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{28}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{24}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{23}, 6^2\})$	11184810
6	$\mathcal{O}(0; \{3^{26}, 6^2\})$	89478486
6	$\mathcal{O}(0; \{2^{33}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{29}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{25}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{21}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{21}, 6^3\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{24}, 6^3\})$	44739242

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{30}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{26}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^{22}, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^{13}, 6^4\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{16}, 6^4\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{19}, 6^4\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{22}, 6^4\})$	22369622
6	$\mathcal{O}(0; \{2^{27}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^{23}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{19}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^{11}, 6^5\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2^{28}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{24}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{20}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{2^{25}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{21}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{17}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{19}, 6^7\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{18}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{14}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^{17}, 6^8\})$	11184810
6	$\mathcal{O}(0; \{2^{23}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{19}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{15}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{11}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^7, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2^{20}, 3, 6^{10}\})$	682

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{16}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^{13}, 6^{10}\})$	2796202
6	$\mathcal{O}(0; \{3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^8, 6^{11}\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2^{18}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^{12}\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{2^{15}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^7, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{2^{13}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^8, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{2^5, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 6^{21}\})$	699050
6	$\mathcal{O}(0; \{3, 6^{22}\})$	2796202
7	$\mathcal{O}(7; \{7^3\})$	20346692185470
7	$\mathcal{O}(4; \{7^{10}\})$	49796500922826
7	$\mathcal{O}(1; \{7^{17}\})$	118486616113110

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Table 2 – continued from previous page

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

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^6, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^3, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2^4, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^{22}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{19}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{16}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{13}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{10}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^7, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^4, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{17}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{14}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{11}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^8, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^5, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^2, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{15}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{12}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^9, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^6, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^3, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{10}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^7, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^4, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^8, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^5, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^2, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^3, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^{26}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{23}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{20}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{17}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{14}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{11}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^8, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^5, 4^{14}, 8^2\})$	65536

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^2, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{21}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{18}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{15}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{12}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^9, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^6, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^3, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{19}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{16}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{13}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{10}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^7, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^4, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{14}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{11}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^8, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^5, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^2, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{12}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^9, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^6, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^3, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^7, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^4, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^5, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^2, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{4, 8^{16}\})$	2147483648
9	$\mathcal{O}(6; \{3^2\})$	564858010080
9	$\mathcal{O}(5; \{3^5\})$	34867253520
9	$\mathcal{O}(5; \{3, 9^3\})$	125524238436
9	$\mathcal{O}(4; \{3^8\})$	3701453760
9	$\mathcal{O}(4; \{3^4, 9^3\})$	12397455648
9	$\mathcal{O}(4; \{9^6\})$	230127770466
9	$\mathcal{O}(3; \{3^{11}\})$	361945584
9	$\mathcal{O}(3; \{3^7, 9^3\})$	1224440064
9	$\mathcal{O}(3; \{3^3, 9^6\})$	22728668688
9	$\mathcal{O}(2; \{3^{14}\})$	35393760
9	$\mathcal{O}(2; \{3^{10}, 9^3\})$	120932352

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(2; \{3^6, 9^6\})$	2244806784
9	$\mathcal{O}(2; \{3^2, 9^9\})$	29271770280
9	$\mathcal{O}(1; \{3^{17}\})$	3145680
9	$\mathcal{O}(1; \{3^{13}, 9^3\})$	11943936
9	$\mathcal{O}(1; \{3^9, 9^6\})$	221709312
9	$\mathcal{O}(1; \{3^5, 9^9\})$	2891039040
9	$\mathcal{O}(1; \{3, 9^{12}\})$	39201213924
9	$\mathcal{O}(0; \{3^{16}, 9^3\})$	1179648
9	$\mathcal{O}(0; \{3^{12}, 9^6\})$	21897216
9	$\mathcal{O}(0; \{3^8, 9^9\})$	285534720
9	$\mathcal{O}(0; \{3^4, 9^{12}\})$	3871724832
9	$\mathcal{O}(0; \{9^{15}\})$	52239587418
10	$\mathcal{O}(5; \{2, 5, 10\})$	40000000000
10	$\mathcal{O}(4; \{2^2, 5^4\})$	5200000000
10	$\mathcal{O}(4; \{2^5, 5, 10\})$	400000000
10	$\mathcal{O}(4; \{5^3, 10^2\})$	20400000000
10	$\mathcal{O}(4; \{2^3, 10^3\})$	1200000000
10	$\mathcal{O}(3; \{2^6, 5^4\})$	52000000
10	$\mathcal{O}(3; \{2^9, 5, 10\})$	4000000
10	$\mathcal{O}(3; \{2, 5^6, 10\})$	3276000000
10	$\mathcal{O}(3; \{2^4, 5^3, 10^2\})$	204000000
10	$\mathcal{O}(3; \{2^7, 10^3\})$	12000000
10	$\mathcal{O}(3; \{2^2, 5^2, 10^4\})$	820000000
10	$\mathcal{O}(3; \{5, 10^6\})$	3276000000
10	$\mathcal{O}(2; \{2^{10}, 5^4\})$	520000
10	$\mathcal{O}(2; \{2^2, 5^9\})$	524280000
10	$\mathcal{O}(2; \{2^{13}, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2^5, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^8, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{5^8, 10^2\})$	2097160000
10	$\mathcal{O}(2; \{2^{11}, 10^3\})$	120000
10	$\mathcal{O}(2; \{2^3, 5^5, 10^3\})$	131080000
10	$\mathcal{O}(2; \{2^6, 5^2, 10^4\})$	8200000
10	$\mathcal{O}(2; \{2, 5^4, 10^5\})$	524280000
10	$\mathcal{O}(2; \{2^4, 5, 10^6\})$	32760000
10	$\mathcal{O}(2; \{2^2, 10^8\})$	131080000
10	$\mathcal{O}(1; \{2^{14}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^6, 5^9\})$	5242800
10	$\mathcal{O}(1; \{2^{17}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^9, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2, 5^{11}, 10\})$	335544400
10	$\mathcal{O}(1; \{2^{12}, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^4, 5^8, 10^2\})$	20971600

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{15}, 10^3\})$	1200
10	$\mathcal{O}(1; \{2^7, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2^{10}, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{2^2, 5^7, 10^4\})$	83886000
10	$\mathcal{O}(1; \{2^5, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^8, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{5^6, 10^6\})$	335544400
10	$\mathcal{O}(1; \{2^3, 5^3, 10^7\})$	20971600
10	$\mathcal{O}(1; \{2^6, 10^8\})$	1310800
10	$\mathcal{O}(1; \{2, 5^2, 10^9\})$	83886000
10	$\mathcal{O}(0; \{2^{18}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^{10}, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^{21}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^{13}, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^{16}, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^8, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{5^{13}, 10^2\})$	214748364
10	$\mathcal{O}(0; \{2^{19}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^{11}, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^3, 5^{10}, 10^3\})$	13421772
10	$\mathcal{O}(0; \{2^{14}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^6, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{2^9, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2, 5^9, 10^5\})$	53687092
10	$\mathcal{O}(0; \{2^{12}, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{2^4, 5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^7, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2^{10}, 10^8\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^5, 10^8\})$	13421772
10	$\mathcal{O}(0; \{2^5, 5^2, 10^9\})$	838860
10	$\mathcal{O}(0; \{5^4, 10^{10}\})$	53687092
10	$\mathcal{O}(0; \{2^3, 5, 10^{11}\})$	3355444
10	$\mathcal{O}(0; \{2, 10^{13}\})$	13421772
11	$\mathcal{O}(2; \{11^8\})$	133100013310
12	$\mathcal{O}(4; \{2^2, 4^2\})$	859832320
12	$\mathcal{O}(4; \{4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{3, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^6, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^3, 4^4\})$	23855104
12	$\mathcal{O}(3; \{4^6\})$	95420416

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^4, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{3^3, 4, 6, 12\})$	59719680
12	$\mathcal{O}(3; \{2, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{2^4, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^2, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^2, 4, 12^3\})$	47775744
12	$\mathcal{O}(3; \{6, 12^4\})$	238878720
12	$\mathcal{O}(2; \{2^{10}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^7, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^4, 4^6\})$	655360
12	$\mathcal{O}(2; \{3^3, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2, 4^8\})$	2621440
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{3^5, 4^2, 6^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^5, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^2, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 12\})$	1327104

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$O(2; \{2^8, 4, 6, 12\})$	82944
12	$O(2; \{2^4, 3^3, 4, 6, 12\})$	414720
12	$O(2; \{3^6, 4, 6, 12\})$	3566592
12	$O(2; \{2^5, 4^3, 6, 12\})$	331776
12	$O(2; \{2, 3^3, 4^3, 6, 12\})$	1658880
12	$O(2; \{2^2, 4^5, 6, 12\})$	1327104
12	$O(2; \{2^5, 3, 4, 6^2, 12\})$	248832
12	$O(2; \{2, 3^4, 4, 6^2, 12\})$	1741824
12	$O(2; \{2^2, 3, 4^3, 6^2, 12\})$	995328
12	$O(2; \{2^2, 3^2, 4, 6^3, 12\})$	912384
12	$O(2; \{2^3, 4, 6^4, 12\})$	414720
12	$O(2; \{4^3, 6^4, 12\})$	1658880
12	$O(2; \{3, 4, 6^5, 12\})$	1741824
12	$O(2; \{2^8, 3, 12^2\})$	82944
12	$O(2; \{2^4, 3^4, 12^2\})$	912384
12	$O(2; \{3^7, 12^2\})$	7050240
12	$O(2; \{2^5, 3, 4^2, 12^2\})$	331776
12	$O(2; \{2, 3^4, 4^2, 12^2\})$	3649536
12	$O(2; \{2^2, 3, 4^4, 12^2\})$	1327104
12	$O(2; \{2^5, 3^2, 6, 12^2\})$	414720
12	$O(2; \{2, 3^5, 6, 12^2\})$	3566592
12	$O(2; \{2^2, 3^2, 4^2, 6, 12^2\})$	1658880
12	$O(2; \{2^6, 6^2, 12^2\})$	248832
12	$O(2; \{2^2, 3^3, 6^2, 12^2\})$	1741824
12	$O(2; \{2^3, 4^2, 6^2, 12^2\})$	995328
12	$O(2; \{4^4, 6^2, 12^2\})$	3981312
12	$O(2; \{2^3, 3, 6^3, 12^2\})$	912384
12	$O(2; \{3, 4^2, 6^3, 12^2\})$	3649536
12	$O(2; \{3^2, 6^4, 12^2\})$	3566592
12	$O(2; \{2, 6^5, 12^2\})$	1741824
12	$O(2; \{2^6, 4, 12^3\})$	331776
12	$O(2; \{2^2, 3^3, 4, 12^3\})$	3649536
12	$O(2; \{2^3, 4^3, 12^3\})$	1327104
12	$O(2; \{4^5, 12^3\})$	5308416
12	$O(2; \{2^3, 3, 4, 6, 12^3\})$	1658880
12	$O(2; \{3, 4^3, 6, 12^3\})$	6635520
12	$O(2; \{3^2, 4, 6^2, 12^3\})$	6967296
12	$O(2; \{2, 4, 6^3, 12^3\})$	3649536
12	$O(2; \{2^3, 3^2, 12^4\})$	3649536
12	$O(2; \{3^2, 4^2, 12^4\})$	14598144
12	$O(2; \{2^4, 6, 12^4\})$	1658880
12	$O(2; \{3^3, 6, 12^4\})$	14266368
12	$O(2; \{2, 4^2, 6, 12^4\})$	6635520

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2^2, 12^6\})$	14598144
12	$\mathcal{O}(1; \{2^{14}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^8, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^5, 4^8\})$	16384
12	$\mathcal{O}(1; \{2, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^2, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{2^9, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^6, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{2^3, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^5\})$	12096

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4^4, 6^5\})$	48384
12	$\mathcal{O}(1; \{2^4, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{12}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^9, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{2^3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{3, 4^7, 6^2, 12\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{3^2, 4^5, 6^3, 12\})$	101376
12	$\mathcal{O}(1; \{2^7, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{2^4, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{3^4, 4, 6^5, 12\})$	98496

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{2^2, 4, 6^7, 12\})$	24768
12	$\mathcal{O}(1; \{2^{12}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^6, 6^2, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 4^2, 6^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^4, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^7, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^4, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^5, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^2, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^2, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{10}, 4, 12^3\})$	2304

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^4, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{2^7, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^2, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^5, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^2, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^8, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^5, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^2, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^5, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^3, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^3, 4, 6^2, 12^5\})$	193536

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{3, 4, 6^3, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^6, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^3, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2, 3, 12^8\})$	3133440
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^2\})$	84

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^3\})$	1360
12	$\mathcal{O}(0; \{2^7, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{2^4, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{2^8, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^5, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^6\})$	1360
12	$\mathcal{O}(0; \{2^2, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^7\})$	688

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{2^3, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{16}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6, 12\})$	1280
12	$\mathcal{O}(0; \{2^4, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^2, 12\})$	2736

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2^8, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2^2, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{2^6, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^3, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^{16}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{10}, 12^2\})$	2732

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{14}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^2, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^3, 12^2\})$	1360

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^9, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^5, 3^3, 6^5, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^3, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^6, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^4, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{14}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^8, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^5, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^2, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6, 12^3\})$	5456

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^8, 4, 6^2, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^9, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^6, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^3, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^2, 4^3, 6^5, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^4, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^7, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^{12}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^8, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^9, 4^2, 6, 12^4\})$	320

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^3, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^9, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^5, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^7, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^3, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^4, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^4, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{2, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^2, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^9, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^7, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2, 4^5, 6^2, 12^5\})$	21504

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^2, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^{10}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^6, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^7, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^4, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2, 4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{2^7, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{3^4, 4^2, 6, 12^6\})$	87296
12	$\mathcal{O}(0; \{2, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^5, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^2, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^5, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^2, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^5, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^3, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{4^3, 12^9\})$	348160

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2, 6, 12^{10}\})$	349184
13	$\mathcal{O}(4; \{13^2\})$	9788768652
14	$\mathcal{O}(3; \{2^3, 7, 14\})$	45177216
14	$\mathcal{O}(3; \{2, 14^3\})$	225886080
14	$\mathcal{O}(2; \{2^2, 7^5\})$	42641760
14	$\mathcal{O}(2; \{2^7, 7, 14\})$	230496
14	$\mathcal{O}(2; \{7^4, 14^2\})$	256081056
14	$\mathcal{O}(2; \{2^5, 14^3\})$	1152480
14	$\mathcal{O}(1; \{2^6, 7^5\})$	217560
14	$\mathcal{O}(1; \{2^{11}, 7, 14\})$	1176
14	$\mathcal{O}(1; \{2^4, 7^4, 14^2\})$	1306536
14	$\mathcal{O}(1; \{2^9, 14^3\})$	5880
14	$\mathcal{O}(1; \{2^2, 7^3, 14^4\})$	7838040
14	$\mathcal{O}(1; \{7^2, 14^6\})$	47029416
14	$\mathcal{O}(0; \{2^{10}, 7^5\})$	1110
14	$\mathcal{O}(0; \{2^{15}, 7, 14\})$	6
14	$\mathcal{O}(0; \{2^3, 7^8, 14\})$	1439670
14	$\mathcal{O}(0; \{2^8, 7^4, 14^2\})$	6666
14	$\mathcal{O}(0; \{2^{13}, 14^3\})$	30
14	$\mathcal{O}(0; \{2, 7^7, 14^3\})$	8638026
14	$\mathcal{O}(0; \{2^6, 7^3, 14^4\})$	39990
14	$\mathcal{O}(0; \{2^4, 7^2, 14^6\})$	239946
14	$\mathcal{O}(0; \{2^2, 7, 14^8\})$	1439670
14	$\mathcal{O}(0; \{14^{10}\})$	8638026
15	$\mathcal{O}(3; \{15^3\})$	273375000
15	$\mathcal{O}(2; \{5^6\})$	41000000
15	$\mathcal{O}(2; \{3, 5^4, 15\})$	20655000
15	$\mathcal{O}(2; \{3^2, 5^2, 15^2\})$	15795000
15	$\mathcal{O}(2; \{3^3, 15^3\})$	13365000
15	$\mathcal{O}(1; \{3^3, 5^6\})$	369000
15	$\mathcal{O}(1; \{3^4, 5^4, 15\})$	459000
15	$\mathcal{O}(1; \{3^5, 5^2, 15^2\})$	491400
15	$\mathcal{O}(1; \{3^6, 15^3\})$	459000
15	$\mathcal{O}(1; \{5^5, 15^3\})$	5898600
15	$\mathcal{O}(1; \{3, 5^3, 15^4\})$	7371000
15	$\mathcal{O}(1; \{3^2, 5, 15^5\})$	7749000
15	$\mathcal{O}(0; \{3^6, 5^6\})$	18040
15	$\mathcal{O}(0; \{3^7, 5^4, 15\})$	17544
15	$\mathcal{O}(0; \{3, 5^9, 15\})$	419432
15	$\mathcal{O}(0; \{3^8, 5^2, 15^2\})$	17784
15	$\mathcal{O}(0; \{3^2, 5^7, 15^2\})$	314568

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^9, 15^3\})$	16392
15	$\mathcal{O}(0; \{3^3, 5^5, 15^3\})$	288376
15	$\mathcal{O}(0; \{3^4, 5^3, 15^4\})$	281736
15	$\mathcal{O}(0; \{3^5, 5, 15^5\})$	280440
15	$\mathcal{O}(0; \{5^4, 15^6\})$	4613752
15	$\mathcal{O}(0; \{3, 5^2, 15^7\})$	4508808
15	$\mathcal{O}(0; \{3^2, 15^8\})$	4482936
16	$\mathcal{O}(3; \{2, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^5, 16^2\})$	524288
16	$\mathcal{O}(2; \{2^2, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(2; \{4, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^9, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^6, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^3, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{4^6, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^4, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{2, 4^3, 8^2, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^2, 8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^2, 4, 8, 16^4\})$	1048576
16	$\mathcal{O}(1; \{8^3, 16^4\})$	8388608
16	$\mathcal{O}(1; \{4, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^{13}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^{10}, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^7, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^4, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{2, 4^8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^8, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^5, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^2, 4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^6, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^3, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{4^4, 8^4, 16^2\})$	32768
16	$\mathcal{O}(0; \{2, 4, 8^6, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^6, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^3, 4^3, 8, 16^4\})$	16384
16	$\mathcal{O}(0; \{4^5, 8, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^4, 8^3, 16^4\})$	32768
16	$\mathcal{O}(0; \{2, 4^2, 8^3, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^4, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{2, 4^3, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^2, 8^2, 16^6\})$	524288
16	$\mathcal{O}(0; \{8, 16^8\})$	8388608
17	$\mathcal{O}(4; \emptyset)$	6975757440

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{6^2\})$	67931136
18	$\mathcal{O}(2; \{2^2, 3^4\})$	622080
18	$\mathcal{O}(2; \{2^3, 3^2, 6\})$	207360
18	$\mathcal{O}(2; \{2^4, 6^2\})$	207360
18	$\mathcal{O}(2; \{3^3, 6^2\})$	1036800
18	$\mathcal{O}(2; \{2, 3, 6^3\})$	622080
18	$\mathcal{O}(2; \{2^2, 9^3\})$	1889568
18	$\mathcal{O}(2; \{2, 3^2, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2^2, 6, 9, 18\})$	1259712
18	$\mathcal{O}(2; \{9^2, 18^2\})$	17006112
18	$\mathcal{O}(2; \{6, 18^3\})$	3779136
18	$\mathcal{O}(1; \{2^6, 3^4\})$	1728
18	$\mathcal{O}(1; \{2^2, 3^7\})$	12096
18	$\mathcal{O}(1; \{2^7, 3^2, 6\})$	576
18	$\mathcal{O}(1; \{2^3, 3^5, 6\})$	6336
18	$\mathcal{O}(1; \{2^8, 6^2\})$	576
18	$\mathcal{O}(1; \{2^4, 3^3, 6^2\})$	2880
18	$\mathcal{O}(1; \{3^6, 6^2\})$	24768
18	$\mathcal{O}(1; \{2^5, 3, 6^3\})$	1728
18	$\mathcal{O}(1; \{2, 3^4, 6^3\})$	12096
18	$\mathcal{O}(1; \{2^2, 3^2, 6^4\})$	6336
18	$\mathcal{O}(1; \{2^3, 6^5\})$	2880
18	$\mathcal{O}(1; \{3, 6^6\})$	12096
18	$\mathcal{O}(1; \{2^6, 9^3\})$	5832
18	$\mathcal{O}(1; \{2^2, 3^3, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^3\})$	23328
18	$\mathcal{O}(1; \{3^2, 6^2, 9^3\})$	93312
18	$\mathcal{O}(1; \{2, 6^3, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2, 3^5, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^6, 6, 9, 18\})$	3888
18	$\mathcal{O}(1; \{2^2, 3^3, 6, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^3, 3, 6^2, 9, 18\})$	15552
18	$\mathcal{O}(1; \{3^2, 6^3, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2, 6^4, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2, 3, 9^4, 18\})$	524880
18	$\mathcal{O}(1; \{2^4, 9^2, 18^2\})$	52488
18	$\mathcal{O}(1; \{3^3, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2, 3, 6, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^3, 3^2, 18^3\})$	23328
18	$\mathcal{O}(1; \{2^4, 6, 18^3\})$	11664
18	$\mathcal{O}(1; \{3^3, 6, 18^3\})$	93312
18	$\mathcal{O}(1; \{2, 3, 6^2, 18^3\})$	46656

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 9, 18^4\})$	262440
18	$\mathcal{O}(1; \{18^6\})$	1732104
18	$\mathcal{O}(0; \{2^{10}, 9^3\})$	18
18	$\mathcal{O}(0; \{2^6, 3^3, 9^3\})$	144
18	$\mathcal{O}(0; \{2^2, 3^6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^3\})$	72
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^3\})$	576
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^3\})$	288
18	$\mathcal{O}(0; \{3^5, 6^2, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^5, 6^3, 9^3\})$	144
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^3\})$	576
18	$\mathcal{O}(0; \{6^6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^2, 3^2, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^3, 6, 9^6\})$	10692
18	$\mathcal{O}(0; \{3, 6^2, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^9, 3^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^5, 3^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{2, 3^8, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^{10}, 6, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^6, 3^3, 6, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^2, 3^6, 6, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^7, 3, 6^2, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 9, 18\})$	192
18	$\mathcal{O}(0; \{3^5, 6^3, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^5, 6^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2, 3^3, 6^4, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^2, 3, 6^5, 9, 18\})$	384
18	$\mathcal{O}(0; \{6^7, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^5, 3, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{2, 3^4, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^3, 6^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{3, 6^3, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2, 9^7, 18\})$	188082
18	$\mathcal{O}(0; \{2^8, 9^2, 18^2\})$	162
18	$\mathcal{O}(0; \{2^4, 3^3, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{3^6, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^3, 6^3, 9^2, 18^2\})$	1296

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3, 6^4, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{3^2, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2, 6, 9^5, 18^2\})$	61236
18	$\mathcal{O}(0; \{2^7, 3^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2^3, 3^5, 18^3\})$	576
18	$\mathcal{O}(0; \{2^8, 6, 18^3\})$	36
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 18^3\})$	288
18	$\mathcal{O}(0; \{3^6, 6, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 18^3\})$	144
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 18^3\})$	576
18	$\mathcal{O}(0; \{2^3, 6^4, 18^3\})$	288
18	$\mathcal{O}(0; \{3, 6^5, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{3^2, 6, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2, 6^2, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^6, 9, 18^4\})$	810
18	$\mathcal{O}(0; \{2^2, 3^3, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^3, 3, 6, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{3^2, 6^2, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2, 6^3, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2, 3, 9^2, 18^5\})$	61236
18	$\mathcal{O}(0; \{2^4, 18^6\})$	5346
18	$\mathcal{O}(0; \{3^3, 18^6\})$	42768
18	$\mathcal{O}(0; \{2, 3, 6, 18^6\})$	21384
20	$\mathcal{O}(2; \{4^2, 5^2\})$	1280000
20	$\mathcal{O}(2; \{2, 4, 10, 20\})$	1280000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{2, 4^4, 5^2\})$	12800
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{4^2, 10^4\})$	41600
20	$\mathcal{O}(1; \{2^2, 4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^3, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{4, 5^2, 10^2, 20\})$	163200
20	$\mathcal{O}(1; \{5^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{4^2, 5, 10, 20^2\})$	166400
20	$\mathcal{O}(1; \{2, 10^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^3, 4, 20^3\})$	38400
20	$\mathcal{O}(1; \{4^3, 20^3\})$	153600
20	$\mathcal{O}(1; \{2, 5, 20^4\})$	652800
20	$\mathcal{O}(0; \{2^8, 4^2, 5^2\})$	8

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Table 2 – continued from previous page

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

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 10, 20^6\})$	104832
21	$\mathcal{O}(2; \{21^3\})$	11668860
21	$\mathcal{O}(1; \{3^2, 7^3, 21\})$	164052
21	$\mathcal{O}(1; \{3^3, 21^3\})$	291060
21	$\mathcal{O}(0; \{3^5, 7^3, 21\})$	4092
21	$\mathcal{O}(0; \{3, 7^5, 21^2\})$	79980
21	$\mathcal{O}(0; \{3^6, 21^3\})$	5100
21	$\mathcal{O}(0; \{3^2, 7^2, 21^4\})$	146652
22	$\mathcal{O}(1; \{2^2, 11^4\})$	440440
22	$\mathcal{O}(1; \{11^3, 22^2\})$	4399560
22	$\mathcal{O}(0; \{2^6, 11^4\})$	910
22	$\mathcal{O}(0; \{2^4, 11^3, 22^2\})$	9090
22	$\mathcal{O}(0; \{2^2, 11^2, 22^4\})$	90910
22	$\mathcal{O}(0; \{11, 22^6\})$	909090
24	$\mathcal{O}(2; \{2, 8^2\})$	1310720
24	$\mathcal{O}(1; \{2^5, 8^2\})$	2048
24	$\mathcal{O}(1; \{2, 3^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 4^2, 8^2\})$	8192
24	$\mathcal{O}(1; \{2^2, 3, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{6^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{4, 8^4\})$	65536
24	$\mathcal{O}(1; \{4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{3, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{4, 6^2, 8, 24\})$	9216
24	$\mathcal{O}(1; \{3, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{3, 6, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^2, 3^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^3, 6, 24^2\})$	4608
24	$\mathcal{O}(1; \{4^2, 6, 24^2\})$	18432
24	$\mathcal{O}(1; \{3, 6^2, 24^2\})$	23040
24	$\mathcal{O}(1; \{3, 4, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 12^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 8, 24^3\})$	73728
24	$\mathcal{O}(0; \{2^5, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^6, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{3, 4^4, 6, 8^2\})$	128

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8^2\})$	24
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^4, 6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{3^3, 6^3, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8^2\})$	32
24	$\mathcal{O}(0; \{2, 3, 6^4, 8^2\})$	40
24	$\mathcal{O}(0; \{3^3, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3^2, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^4, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2, 3^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{3^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12^3\})$	128
24	$\mathcal{O}(0; \{8^4, 12^3\})$	1024
24	$\mathcal{O}(0; \{6, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^6, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{3, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 8, 24\})$	48
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 8, 24\})$	64
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{3^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 6^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^7, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^3, 3^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{3^3, 4^2, 8, 12, 24\})$	320

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 6, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{3^4, 6, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 6^3, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{6, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2^2, 3, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{6^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{4, 8, 12^4, 24\})$	1280
24	$\mathcal{O}(0; \{2^6, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^2, 3^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 24^2\})$	96
24	$\mathcal{O}(0; \{3^2, 4^4, 24^2\})$	384
24	$\mathcal{O}(0; \{2^7, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 4^2, 6, 24^2\})$	32
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 4^4, 6, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 24^2\})$	40
24	$\mathcal{O}(0; \{3^4, 6^2, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 6^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 4, 6, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{6, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^4, 3, 4, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{3^4, 4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3, 4^3, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{6^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^5, 12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 3^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 4^2, 12^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3, 6, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{6^3, 12^2, 24^2\})$	672

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4, 8^2, 12^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{4, 6, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{3, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^5, 8, 24^3\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 4^2, 8, 24^3\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{6^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{4, 8^3, 24^3\})$	4096
24	$\mathcal{O}(0; \{4, 6, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{3, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^2, 3, 4, 24^4\})$	1280
24	$\mathcal{O}(0; \{4, 6^2, 24^4\})$	2816
24	$\mathcal{O}(0; \{3, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^3, 12, 24^4\})$	1280
24	$\mathcal{O}(0; \{4^2, 12, 24^4\})$	5120
24	$\mathcal{O}(0; \{3, 6, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 24^6\})$	22528
25	$\mathcal{O}(0; \{5^4, 25^3\})$	76800
26	$\mathcal{O}(2; \{26^2\})$	5483712
26	$\mathcal{O}(1; \{2^4, 26^2\})$	8112
26	$\mathcal{O}(0; \{2^8, 26^2\})$	12
27	$\mathcal{O}(2; \{9^2\})$	3149280
27	$\mathcal{O}(1; \{3^3, 9^2\})$	31104
27	$\mathcal{O}(1; \{9, 27^3\})$	708588
27	$\mathcal{O}(0; \{3^3, 9, 27^3\})$	7776
27	$\mathcal{O}(0; \{27^6\})$	1299078
28	$\mathcal{O}(1; \{2^2, 4, 14, 28\})$	9408
28	$\mathcal{O}(1; \{7^2, 28^2\})$	291648
28	$\mathcal{O}(1; \{4, 28^3\})$	188160
28	$\mathcal{O}(0; \{2^3, 4^2, 7^2, 14\})$	60
28	$\mathcal{O}(0; \{4^4, 7^2, 14\})$	240
28	$\mathcal{O}(0; \{2, 4^2, 7, 14^3\})$	372
28	$\mathcal{O}(0; \{2, 4, 7^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^6, 4, 14, 28\})$	12
28	$\mathcal{O}(0; \{2^3, 4^3, 14, 28\})$	48
28	$\mathcal{O}(0; \{4^5, 14, 28\})$	192
28	$\mathcal{O}(0; \{2^4, 7^2, 28^2\})$	372
28	$\mathcal{O}(0; \{2, 4^2, 7^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^2, 7, 14^2, 28^2\})$	2220
28	$\mathcal{O}(0; \{14^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^4, 4, 28^3\})$	240
28	$\mathcal{O}(0; \{2, 4^3, 28^3\})$	960

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{7, 14, 28^4\})$	53328
30	$\mathcal{O}(1; \{2^2, 5^3\})$	9600
30	$\mathcal{O}(1; \{5^2, 10^2\})$	41600
30	$\mathcal{O}(1; \{2^2, 3, 5, 15\})$	7200
30	$\mathcal{O}(1; \{5, 6^2, 15\})$	7200
30	$\mathcal{O}(1; \{3, 10^2, 15\})$	21600
30	$\mathcal{O}(1; \{5^2, 6, 30\})$	21600
30	$\mathcal{O}(1; \{2^3, 15, 30\})$	7200
30	$\mathcal{O}(1; \{3, 6, 15, 30\})$	21600
30	$\mathcal{O}(1; \{3, 5, 30^2\})$	21600
30	$\mathcal{O}(1; \{2, 30^3\})$	21600
30	$\mathcal{O}(0; \{2^2, 3^3, 5^3\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 6\})$	24
30	$\mathcal{O}(0; \{3^2, 5^3, 6^2\})$	72
30	$\mathcal{O}(0; \{2, 5^3, 6^3\})$	24
30	$\mathcal{O}(0; \{3^3, 5^2, 10^2\})$	104
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 10^2\})$	104
30	$\mathcal{O}(0; \{2^6, 3, 5, 15\})$	8
30	$\mathcal{O}(0; \{2^2, 3^4, 5, 15\})$	40
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 6, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 5, 6^2, 15\})$	8
30	$\mathcal{O}(0; \{3^3, 5, 6^2, 15\})$	88
30	$\mathcal{O}(0; \{2, 3, 5, 6^3, 15\})$	40
30	$\mathcal{O}(0; \{2, 3, 5^3, 10, 15\})$	408
30	$\mathcal{O}(0; \{2^4, 3, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{3^4, 10^2, 15\})$	120
30	$\mathcal{O}(0; \{2, 3^2, 6, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 6^2, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5, 10, 15^2\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 6, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{6, 10^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2^2, 5^2, 15^3\})$	408
30	$\mathcal{O}(0; \{5, 10^2, 15^3\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 15^4\})$	520
30	$\mathcal{O}(0; \{6^2, 15^4\})$	1144
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 5^2, 6, 30\})$	24
30	$\mathcal{O}(0; \{3^3, 5^2, 6, 30\})$	120
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^2, 30\})$	72
30	$\mathcal{O}(0; \{2, 3^2, 5, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 5, 6, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{6, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{2^7, 15, 30\})$	8

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Table 2 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3^3, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^4, 3, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{3^4, 6, 15, 30\})$	168
30	$\mathcal{O}(0; \{2, 3^2, 6^2, 15, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 6^3, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 5^2, 10, 15, 30\})$	408
30	$\mathcal{O}(0; \{5, 10^3, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 10, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{6^2, 10, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{5, 6, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{2^4, 3, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{3^4, 5, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 3^2, 5, 6, 30^2\})$	120
30	$\mathcal{O}(0; \{2^2, 5, 6^2, 30^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{6^2, 10^2, 30^2\})$	312
30	$\mathcal{O}(0; \{5, 6, 10, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{5^2, 15^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{3, 15^3, 30^2\})$	4488
30	$\mathcal{O}(0; \{2^5, 30^3\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 30^3\})$	264
30	$\mathcal{O}(0; \{2^2, 3, 6, 30^3\})$	120
30	$\mathcal{O}(0; \{6^3, 30^3\})$	264
30	$\mathcal{O}(0; \{5^2, 10, 30^3\})$	1640
30	$\mathcal{O}(0; \{3, 10, 15, 30^3\})$	2040
32	$\mathcal{O}(1; \{2, 4, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^5, 4, 32^2\})$	32
32	$\mathcal{O}(0; \{2^2, 4^3, 32^2\})$	128
32	$\mathcal{O}(0; \{2^3, 8^2, 32^2\})$	256
32	$\mathcal{O}(0; \{4^2, 8^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{2, 8, 16^2, 32^2\})$	4096
33	$\mathcal{O}(0; \{3^2, 11^2, 33^2\})$	5460
34	$\mathcal{O}(2; \{2^2\})$	1336320
34	$\mathcal{O}(1; \{2^6\})$	1152
35	$\mathcal{O}(1; \{35^3\})$	441000
35	$\mathcal{O}(0; \{5^4, 7^2\})$	312
36	$\mathcal{O}(1; \{3^2, 4^2\})$	4608
36	$\mathcal{O}(1; \{2, 3, 4, 12\})$	4608
36	$\mathcal{O}(1; \{2^2, 12^2\})$	4608
36	$\mathcal{O}(1; \{12, 18, 36\})$	31104
36	$\mathcal{O}(1; \{9, 36^2\})$	46656
36	$\mathcal{O}(0; \{3, 4^2, 9^3\})$	72
36	$\mathcal{O}(0; \{2, 4, 9^3, 12\})$	72

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 4^2, 9, 18\})$	12
36	$\mathcal{O}(0; \{4^4, 9, 18\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 6, 9, 18\})$	48
36	$\mathcal{O}(0; \{3^2, 4, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{2, 4, 6, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{2, 3, 9, 12^2, 18\})$	96
36	$\mathcal{O}(0; \{2, 4^2, 18^3\})$	36
36	$\mathcal{O}(0; \{3^2, 4, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{2, 4, 6, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{2^3, 3, 4, 18, 36\})$	24
36	$\mathcal{O}(0; \{3, 4^3, 18, 36\})$	96
36	$\mathcal{O}(0; \{3^2, 4, 6, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 4, 6^2, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^4, 12, 18, 36\})$	24
36	$\mathcal{O}(0; \{3^3, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{2, 4^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 3, 6, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^4, 9, 36^2\})$	36
36	$\mathcal{O}(0; \{3^3, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 4^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3, 6, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2^2, 18^2, 36^2\})$	324
36	$\mathcal{O}(0; \{2, 3, 4, 36^3\})$	288
36	$\mathcal{O}(0; \{2^2, 12, 36^3\})$	288
36	$\mathcal{O}(0; \{18, 36^4\})$	6480
39	$\mathcal{O}(1; \{3, 39^2\})$	36504
39	$\mathcal{O}(0; \{3^4, 39^2\})$	264
40	$\mathcal{O}(0; \{2^2, 8^2, 10^2\})$	16
40	$\mathcal{O}(0; \{8^2, 10, 20^2\})$	192
40	$\mathcal{O}(0; \{2^2, 5, 8, 10, 40\})$	48
40	$\mathcal{O}(0; \{8, 10^3, 40\})$	208
40	$\mathcal{O}(0; \{2^2, 4, 8, 20, 40\})$	64
40	$\mathcal{O}(0; \{8^3, 20, 40\})$	512
40	$\mathcal{O}(0; \{5, 8, 20^2, 40\})$	832
40	$\mathcal{O}(0; \{2^2, 5^2, 40^2\})$	208
40	$\mathcal{O}(0; \{5, 10^2, 40^2\})$	816
40	$\mathcal{O}(0; \{4, 10, 20, 40^2\})$	832
40	$\mathcal{O}(0; \{4, 8, 40^3\})$	1536
42	$\mathcal{O}(1; \{2, 21, 42\})$	21168
42	$\mathcal{O}(0; \{6, 7^2, 14, 21\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 7, 21^2\})$	60
42	$\mathcal{O}(0; \{6^2, 7, 21^2\})$	180

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3, 14^2, 21^2\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{6^2, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{3, 14^3, 42\})$	372
42	$\mathcal{O}(0; \{2^5, 21, 42\})$	12
42	$\mathcal{O}(0; \{2, 3^3, 21, 42\})$	60
42	$\mathcal{O}(0; \{2^2, 3, 6, 21, 42\})$	36
42	$\mathcal{O}(0; \{6^3, 21, 42\})$	60
42	$\mathcal{O}(0; \{3, 7, 21, 42^2\})$	1116
42	$\mathcal{O}(0; \{2^3, 42^3\})$	60
42	$\mathcal{O}(0; \{3, 6, 42^3\})$	300
44	$\mathcal{O}(0; \{2^2, 4^2, 11^2\})$	20
44	$\mathcal{O}(0; \{4^2, 11, 22^2\})$	180
44	$\mathcal{O}(0; \{2, 11, 22, 44^2\})$	1820
45	$\mathcal{O}(0; \{5^2, 9^3\})$	72
45	$\mathcal{O}(0; \{5^3, 9, 45\})$	312
45	$\mathcal{O}(0; \{3, 5, 9, 15, 45\})$	288
45	$\mathcal{O}(0; \{3^2, 45^3\})$	864
48	$\mathcal{O}(0; \{3, 4, 6, 16^2\})$	32
48	$\mathcal{O}(0; \{3^2, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{2, 6, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{3^2, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 6, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 4, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{2^3, 3, 48^2\})$	16
48	$\mathcal{O}(0; \{3, 4^2, 48^2\})$	64
48	$\mathcal{O}(0; \{3^2, 6, 48^2\})$	80
48	$\mathcal{O}(0; \{2, 6^2, 48^2\})$	48
48	$\mathcal{O}(0; \{2, 4, 12, 48^2\})$	64
50	$\mathcal{O}(0; \{2, 5^2, 25, 50\})$	320
51	$\mathcal{O}(2; \emptyset)$	6681600
51	$\mathcal{O}(1; \{3^3\})$	5184
52	$\mathcal{O}(1; \{52^2\})$	64896
52	$\mathcal{O}(0; \{2^4, 52^2\})$	24
52	$\mathcal{O}(0; \{2, 4^2, 52^2\})$	96
53	$\mathcal{O}(0; \{53^4\})$	137956
54	$\mathcal{O}(1; \{18^2\})$	15552
54	$\mathcal{O}(0; \{2^2, 27^3\})$	162
54	$\mathcal{O}(0; \{2^2, 18, 27, 54\})$	108
54	$\mathcal{O}(0; \{27^2, 54^2\})$	4374
54	$\mathcal{O}(0; \{18, 54^3\})$	972
55	$\mathcal{O}(0; \{11, 55^3\})$	10920
56	$\mathcal{O}(0; \{2^2, 8, 28, 56\})$	48

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2^2, 7, 56^2\})$	120
56	$\mathcal{O}(0; \{14^2, 56^2\})$	744
56	$\mathcal{O}(0; \{8, 56^3\})$	1920
60	$\mathcal{O}(0; \{12^2, 15^2\})$	48
60	$\mathcal{O}(0; \{10, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{10, 12^2, 30\})$	16
60	$\mathcal{O}(0; \{6, 20^2, 30\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 5, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 5, 12, 60\})$	16
60	$\mathcal{O}(0; \{10^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{6, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 4, 30, 60\})$	16
60	$\mathcal{O}(0; \{6, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{5, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{6, 10, 60^2\})$	48
60	$\mathcal{O}(0; \{5, 15, 60^2\})$	208
60	$\mathcal{O}(0; \{4, 60^3\})$	192
63	$\mathcal{O}(0; \{7, 9^2, 63\})$	108
63	$\mathcal{O}(0; \{3, 63^3\})$	1080
64	$\mathcal{O}(0; \{4, 8, 64^2\})$	256
65	$\mathcal{O}(0; \{5^2, 65^2\})$	624
66	$\mathcal{O}(0; \{2^2, 3, 11, 33\})$	20
66	$\mathcal{O}(0; \{6^2, 11, 33\})$	20
66	$\mathcal{O}(0; \{3, 22^2, 33\})$	180
66	$\mathcal{O}(0; \{3, 11, 66^2\})$	180
68	$\mathcal{O}(1; \{4^2\})$	9216
70	$\mathcal{O}(0; \{5^2, 14^2\})$	24
70	$\mathcal{O}(0; \{2^3, 35, 70\})$	24
70	$\mathcal{O}(0; \{2, 70^3\})$	360
72	$\mathcal{O}(0; \{3, 8, 9, 72\})$	48
72	$\mathcal{O}(0; \{2, 24, 36, 72\})$	96
72	$\mathcal{O}(0; \{2, 18, 72^2\})$	72
78	$\mathcal{O}(0; \{3^2, 78^2\})$	72
78	$\mathcal{O}(0; \{2, 6, 78^2\})$	24
80	$\mathcal{O}(0; \{2, 5, 80^2\})$	96
84	$\mathcal{O}(0; \{2, 4, 42, 84\})$	24
90	$\mathcal{O}(0; \{2, 3, 45, 90\})$	48
102	$\mathcal{O}(1; \{2^2\})$	9216
104	$\mathcal{O}(0; \{2^2, 104^2\})$	48
105	$\mathcal{O}(0; \{105^3\})$	720
106	$\mathcal{O}(0; \{2^2, 53^2\})$	52
106	$\mathcal{O}(0; \{53, 106^2\})$	2652
108	$\mathcal{O}(0; \{36, 54, 108\})$	216

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
108	$\mathcal{O}(0; \{27, 108^2\})$	324
110	$\mathcal{O}(0; \{22, 55, 110\})$	360
112	$\mathcal{O}(0; \{16, 56, 112\})$	192
112	$\mathcal{O}(0; \{14, 112^2\})$	240
117	$\mathcal{O}(0; \{9, 117^2\})$	216
120	$\mathcal{O}(0; \{10, 24, 120\})$	32
120	$\mathcal{O}(0; \{8, 60, 120\})$	64
126	$\mathcal{O}(0; \{9, 14, 126\})$	36
126	$\mathcal{O}(0; \{6, 63, 126\})$	72
130	$\mathcal{O}(0; \{5, 130^2\})$	144
135	$\mathcal{O}(0; \{5, 27, 135\})$	72
140	$\mathcal{O}(0; \{4, 70, 140\})$	48
156	$\mathcal{O}(0; \{3, 156^2\})$	48
159	$\mathcal{O}(0; \{3, 53, 159\})$	104
208	$\mathcal{O}(0; \{2, 208^2\})$	96
210	$\mathcal{O}(0; \{2, 105, 210\})$	48

Table 3: 53-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(53; \emptyset)$	1
2	$\mathcal{O}(27; \emptyset)$	18014398509481983
2	$\mathcal{O}(26; \{2^4\})$	4503599627370496
2	$\mathcal{O}(25; \{2^8\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{12}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{16}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{20}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{24}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{28}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{32}\})$	274877906944
2	$\mathcal{O}(18; \{2^{36}\})$	68719476736
2	$\mathcal{O}(17; \{2^{40}\})$	17179869184
2	$\mathcal{O}(16; \{2^{44}\})$	4294967296
2	$\mathcal{O}(15; \{2^{48}\})$	1073741824
2	$\mathcal{O}(14; \{2^{52}\})$	268435456
2	$\mathcal{O}(13; \{2^{56}\})$	67108864
2	$\mathcal{O}(12; \{2^{60}\})$	16777216
2	$\mathcal{O}(11; \{2^{64}\})$	4194304
2	$\mathcal{O}(10; \{2^{68}\})$	1048576
2	$\mathcal{O}(9; \{2^{72}\})$	262144

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(8; \{2^{76}\})$	65536
2	$\mathcal{O}(7; \{2^{80}\})$	16384
2	$\mathcal{O}(6; \{2^{84}\})$	4096
2	$\mathcal{O}(5; \{2^{88}\})$	1024
2	$\mathcal{O}(4; \{2^{92}\})$	256
2	$\mathcal{O}(3; \{2^{96}\})$	64
2	$\mathcal{O}(2; \{2^{100}\})$	16
2	$\mathcal{O}(1; \{2^{104}\})$	4
2	$\mathcal{O}(0; \{2^{108}\})$	1
3	$\mathcal{O}(17; \{3^4\})$	100063090197999414
3	$\mathcal{O}(16; \{3^7\})$	77826847931777322
3	$\mathcal{O}(15; \{3^{10}\})$	70414767176369958
3	$\mathcal{O}(14; \{3^{13}\})$	62453643402043530
3	$\mathcal{O}(13; \{3^{16}\})$	55529600885675334
3	$\mathcal{O}(12; \{3^{19}\})$	49357950654492522
3	$\mathcal{O}(11; \{3^{22}\})$	43873922201462118
3	$\mathcal{O}(10; \{3^{25}\})$	38999021036148810
3	$\mathcal{O}(9; \{3^{28}\})$	34665798801099654
3	$\mathcal{O}(8; \{3^{31}\})$	30814043120474922
3	$\mathcal{O}(7; \{3^{34}\})$	27390260580231078
3	$\mathcal{O}(6; \{3^{37}\})$	24346898290350090
3	$\mathcal{O}(5; \{3^{40}\})$	21641687369554374
3	$\mathcal{O}(4; \{3^{43}\})$	19237055439564522
3	$\mathcal{O}(3; \{3^{46}\})$	17099604835172838
3	$\mathcal{O}(2; \{3^{49}\})$	15199648742375370
3	$\mathcal{O}(1; \{3^{52}\})$	13510798882111494
3	$\mathcal{O}(0; \{3^{55}\})$	12009599006321322
4	$\mathcal{O}(14; \emptyset)$	72057593769492480
4	$\mathcal{O}(13; \{2^4\})$	4503599560261632
4	$\mathcal{O}(13; \{2, 4^2\})$	9007199254740992
4	$\mathcal{O}(12; \{2^8\})$	281474959933440
4	$\mathcal{O}(12; \{2^5, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^2, 4^4\})$	2251799813685248
4	$\mathcal{O}(11; \{2^{12}\})$	17592181850112
4	$\mathcal{O}(11; \{2^9, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^6, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^3, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{4^8\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{16}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{13}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{10}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^7, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^4, 4^8\})$	140737488355328

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2, 4^{10}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{20}\})$	68719214592
4	$\mathcal{O}(9; \{2^{17}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{14}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{11}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^8, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^5, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^2, 4^{12}\})$	140737488355328
4	$\mathcal{O}(8; \{2^{24}\})$	4294901760
4	$\mathcal{O}(8; \{2^{21}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{18}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{15}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{12}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^9, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^6, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^3, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{4^{16}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{28}\})$	268419072
4	$\mathcal{O}(7; \{2^{25}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{22}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{19}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{16}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{13}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{10}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^7, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^4, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2, 4^{18}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{32}\})$	16773120
4	$\mathcal{O}(6; \{2^{29}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{26}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{23}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{20}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{17}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{14}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{11}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^8, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^5, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^2, 4^{20}\})$	8796093022208
4	$\mathcal{O}(5; \{2^{36}\})$	1047552
4	$\mathcal{O}(5; \{2^{33}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{30}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{27}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{24}, 4^8\})$	134217728

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{21}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{18}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{15}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{12}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^9, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^6, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^3, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{4^{24}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{40}\})$	65280
4	$\mathcal{O}(4; \{2^{37}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{34}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{31}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{28}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{25}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{22}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{19}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{16}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{13}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{10}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^7, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^4, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2, 4^{26}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{44}\})$	4032
4	$\mathcal{O}(3; \{2^{41}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{38}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{35}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{32}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{29}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{26}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{23}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{20}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{17}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{14}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{11}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^8, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^5, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^2, 4^{28}\})$	549755813888
4	$\mathcal{O}(2; \{2^{48}\})$	240
4	$\mathcal{O}(2; \{2^{45}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{42}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{39}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{36}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{33}, 4^{10}\})$	131072

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{30}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{27}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{24}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{21}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{18}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{15}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{12}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^9, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^6, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^3, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{4^{32}\})$	549755813888
4	$\mathcal{O}(1; \{2^{52}\})$	12
4	$\mathcal{O}(1; \{2^{49}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{46}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{43}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{40}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{37}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{34}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{31}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{28}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{25}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{22}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{19}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{16}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{13}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{10}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^7, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^4, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2, 4^{34}\})$	137438953472
4	$\mathcal{O}(0; \{2^{53}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{50}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{47}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{44}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{41}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{38}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{35}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{32}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{29}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{26}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{23}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{20}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{17}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{14}, 4^{28}\})$	134217728

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{11}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^8, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^5, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^2, 4^{36}\})$	34359738368
5	$\mathcal{O}(9; \{5^6\})$	3128051757812500
5	$\mathcal{O}(7; \{5^{11}\})$	5119995117187500
5	$\mathcal{O}(5; \{5^{16}\})$	8388608007812500
5	$\mathcal{O}(3; \{5^{21}\})$	13743895347187500
5	$\mathcal{O}(1; \{5^{26}\})$	22517998136852500
6	$\mathcal{O}(9; \{3^2\})$	203119138495854
6	$\mathcal{O}(8; \{2^4, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{3^5\})$	28210668607350
6	$\mathcal{O}(8; \{2, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2^2, 3, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{6^4\})$	16926659444736
6	$\mathcal{O}(7; \{2^8, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^4, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{3^8\})$	6738906776922
6	$\mathcal{O}(7; \{2^5, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2^6, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^2, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2^3, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^4, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{2, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(6; \{2^{12}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^8, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^4, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{3^{11}\})$	1484203110390
6	$\mathcal{O}(6; \{2^9, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^5, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2, 3^9, 6\})$	744459558912
6	$\mathcal{O}(6; \{2^{10}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^6, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^2, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^7, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^3, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2^8, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^4, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{2^5, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2, 3^4, 6^5\})$	370052997120

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^2, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2^3, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{3, 6^8\})$	370052997120
6	$\mathcal{O}(5; \{2^{16}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{12}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^8, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{3^{14}\})$	329943727674
6	$\mathcal{O}(5; \{2^{13}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^9, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^5, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2^{14}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{10}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^6, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^{11}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^7, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^{12}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^8, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{2^9, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^5, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2^6, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^7, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^3, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^4, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{2, 3^2, 6^9\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 6^{10}\})$	20679432192
6	$\mathcal{O}(4; \{2^{20}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{16}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{12}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^8, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{3^{17}\})$	73095772950
6	$\mathcal{O}(4; \{2^{17}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{13}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^9, 3^9, 6\})$	574428672

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^5, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2^{18}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{14}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{10}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^6, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{11}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^7, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^{16}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{12}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^8, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{2^{13}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^9, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^5, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^{10}, 6^5\})$	18344765952
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^6, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^{11}, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^7, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^8, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^4, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{2^5, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2^6, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{2, 6^{13}\})$	4585351680
6	$\mathcal{O}(3; \{2^{24}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{20}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{16}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{12}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{3^{20}\})$	16052680602

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{21}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{17}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{13}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^9, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^{18}, 6\})$	8153695872
6	$\mathcal{O}(3; \{2^{22}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{18}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{14}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{10}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{15}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{11}, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^7, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^{20}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{16}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{12}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{3^{15}, 6^4\})$	8153695872
6	$\mathcal{O}(3; \{2^{17}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^9, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^{15}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^7, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^9, 6^7\})$	1019246976
6	$\mathcal{O}(3; \{2^{12}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^8, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{2^9, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2, 3^8, 6^9\})$	2038400640

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{10}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^7, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{2^5, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{6^{16}\})$	1019246976
6	$\mathcal{O}(2; \{2^{28}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{24}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{20}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{16}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{12}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{3^{23}\})$	3397385430
6	$\mathcal{O}(2; \{2^{25}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{21}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{17}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{13}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^9, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2^{26}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{22}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{18}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{14}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{10}, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^{19}, 6^2\})$	905968800
6	$\mathcal{O}(2; \{2^{23}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{19}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{15}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^{11}, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^7, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^{17}, 6^3\})$	452985696
6	$\mathcal{O}(2; \{2^{24}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{20}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{16}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^{12}, 3^9, 6^4\})$	3538080

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{3^{18}, 6^4\})$	1811940192
6	$\mathcal{O}(2; \{2^{21}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{17}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^{13}, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^9, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2, 3^{16}, 6^5\})$	905968800
6	$\mathcal{O}(2; \{2^{18}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{14}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^{10}, 3^8, 6^6\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^{11}, 6^6\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^{14}, 6^6\})$	452985696
6	$\mathcal{O}(2; \{2^{19}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{15}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^{11}, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^7, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^{12}, 6^7\})$	226491552
6	$\mathcal{O}(2; \{2^{16}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^{12}, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^8, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{3^{13}, 6^8\})$	905968800
6	$\mathcal{O}(2; \{2^{13}, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^9, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^5, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2^{14}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^{11}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^7, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^8, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{2^9, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^5, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2^6, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^4, 6^{14}\})$	113247072

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^3, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 6^{16}\})$	28312416
6	$\mathcal{O}(2; \{3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{2, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(1; \{2^{32}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{28}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{24}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{20}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{3^{26}\})$	603979794
6	$\mathcal{O}(1; \{2^{29}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{25}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{21}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{17}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{24}, 6\})$	402653160
6	$\mathcal{O}(1; \{2^{30}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{26}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{22}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{18}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{2^{27}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{23}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{19}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2^{28}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{24}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{20}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{18}, 6^4\})$	50331672

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{2^{25}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{21}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{17}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2^{22}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{18}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{2^{23}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{19}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{15}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{15}, 6^7\})$	50331672
6	$\mathcal{O}(1; \{2^{20}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{16}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{13}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^9, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^{11}, 6^9\})$	12582936
6	$\mathcal{O}(1; \{2, 3^{14}, 6^9\})$	100663272
6	$\mathcal{O}(1; \{2^{18}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{14}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{10}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{2^{15}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^7, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^8, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^8, 6^{12}\})$	12582936

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{2^{13}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^9, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^5, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2^{10}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^8, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{3^6, 6^{16}\})$	50331672
6	$\mathcal{O}(1; \{2^5, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{3, 6^{20}\})$	25165800
6	$\mathcal{O}(0; \{2^{36}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{32}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{28}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{24}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{33}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{29}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{25}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{21}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2^{34}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{30}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{26}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{22}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{19}, 6^2\})$	699050

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{2^{31}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{27}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{23}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2^{32}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{28}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{24}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{2^{29}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{25}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{21}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2^{26}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{22}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{2^{27}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{23}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{19}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2^{24}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{20}, 3^4, 6^8\})$	1366

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{16}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{3^{19}, 6^8\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{17}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2^{22}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{18}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{14}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{2^{19}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{15}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{11}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^7, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{2^{17}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2^{14}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^7, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2^{12}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^8, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{3^9, 6^{16}\})$	11184810

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{2^7, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 6^{22}\})$	1398102
7	$\mathcal{O}(5; \{7^8\})$	67778806096554
7	$\mathcal{O}(2; \{7^{15}\})$	161273449707510
8	$\mathcal{O}(7; \{2^2\})$	4397778075648
8	$\mathcal{O}(6; \{2^6\})$	68702699520
8	$\mathcal{O}(6; \{2^3, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{4^4\})$	549621596160
8	$\mathcal{O}(6; \{2, 4, 8^2\})$	549755813888
8	$\mathcal{O}(5; \{2^{10}\})$	1072693248
8	$\mathcal{O}(5; \{2^7, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^4, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^5, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^2, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^3, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{4^2, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^{14}\})$	16711680
8	$\mathcal{O}(4; \{2^{11}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^8, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^5, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^2, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^9, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^6, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^3, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^7, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^4, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^2, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^{18}\})$	258048
8	$\mathcal{O}(3; \{2^{15}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{12}, 4^4\})$	2064384

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$O(3; \{2^9, 4^6\})$	8257536
8	$O(3; \{2^6, 4^8\})$	33030144
8	$O(3; \{2^3, 4^{10}\})$	132120576
8	$O(3; \{4^{12}\})$	528482304
8	$O(3; \{2^{13}, 4, 8^2\})$	2097152
8	$O(3; \{2^{10}, 4^3, 8^2\})$	8388608
8	$O(3; \{2^7, 4^5, 8^2\})$	33554432
8	$O(3; \{2^4, 4^7, 8^2\})$	134217728
8	$O(3; \{2, 4^9, 8^2\})$	536870912
8	$O(3; \{2^{11}, 8^4\})$	16777216
8	$O(3; \{2^8, 4^2, 8^4\})$	67108864
8	$O(3; \{2^5, 4^4, 8^4\})$	268435456
8	$O(3; \{2^2, 4^6, 8^4\})$	1073741824
8	$O(3; \{2^6, 4, 8^6\})$	536870912
8	$O(3; \{2^3, 4^3, 8^6\})$	2147483648
8	$O(3; \{4^5, 8^6\})$	8589934592
8	$O(3; \{2^4, 8^8\})$	4294967296
8	$O(3; \{2, 4^2, 8^8\})$	17179869184
8	$O(2; \{2^{22}\})$	3840
8	$O(2; \{2^{19}, 4^2\})$	7680
8	$O(2; \{2^{16}, 4^4\})$	30720
8	$O(2; \{2^{13}, 4^6\})$	122880
8	$O(2; \{2^{10}, 4^8\})$	491520
8	$O(2; \{2^7, 4^{10}\})$	1966080
8	$O(2; \{2^4, 4^{12}\})$	7864320
8	$O(2; \{2, 4^{14}\})$	31457280
8	$O(2; \{2^{17}, 4, 8^2\})$	32768
8	$O(2; \{2^{14}, 4^3, 8^2\})$	131072
8	$O(2; \{2^{11}, 4^5, 8^2\})$	524288
8	$O(2; \{2^8, 4^7, 8^2\})$	2097152
8	$O(2; \{2^5, 4^9, 8^2\})$	8388608
8	$O(2; \{2^2, 4^{11}, 8^2\})$	33554432
8	$O(2; \{2^{15}, 8^4\})$	262144
8	$O(2; \{2^{12}, 4^2, 8^4\})$	1048576
8	$O(2; \{2^9, 4^4, 8^4\})$	4194304
8	$O(2; \{2^6, 4^6, 8^4\})$	16777216
8	$O(2; \{2^3, 4^8, 8^4\})$	67108864
8	$O(2; \{4^{10}, 8^4\})$	268435456
8	$O(2; \{2^{10}, 4, 8^6\})$	8388608
8	$O(2; \{2^7, 4^3, 8^6\})$	33554432
8	$O(2; \{2^4, 4^5, 8^6\})$	134217728
8	$O(2; \{2, 4^7, 8^6\})$	536870912
8	$O(2; \{2^8, 8^8\})$	67108864

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^5, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^2, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^3, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^{26}\})$	48
8	$\mathcal{O}(1; \{2^{23}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{20}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{17}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{14}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{11}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^8, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^5, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^2, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{21}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{18}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{15}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{12}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^9, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^6, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^3, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{19}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{16}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{13}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{10}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^7, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^4, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{14}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{11}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^8, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^5, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^2, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{12}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^9, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^6, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^3, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^7, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^4, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^5, 8^{12}\})$	268435456

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^2, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{4, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^{25}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{22}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{19}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{16}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{13}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{10}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^7, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^4, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{23}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{20}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{17}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{14}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{11}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^8, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^5, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^2, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^{18}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{15}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{12}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^9, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^6, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^3, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{16}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{13}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{10}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^7, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^4, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{11}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^8, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^5, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^2, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^9, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^6, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^3, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^4, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^2, 8^{16}\})$	1073741824

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(5; \{9^4\})$	564859072962
9	$\mathcal{O}(4; \{3^3, 9^4\})$	55788550416
9	$\mathcal{O}(3; \{3^6, 9^4\})$	5509980288
9	$\mathcal{O}(3; \{3^2, 9^7\})$	65086642152
9	$\mathcal{O}(2; \{3^9, 9^4\})$	544195584
9	$\mathcal{O}(2; \{3^5, 9^7\})$	6428310336
9	$\mathcal{O}(2; \{3, 9^{10}\})$	88331871492
9	$\mathcal{O}(1; \{3^{12}, 9^4\})$	53747712
9	$\mathcal{O}(1; \{3^8, 9^7\})$	634894848
9	$\mathcal{O}(1; \{3^4, 9^{10}\})$	8724135456
9	$\mathcal{O}(1; \{9^{13}\})$	117517548330
9	$\mathcal{O}(0; \{3^{15}, 9^4\})$	5308416
9	$\mathcal{O}(0; \{3^{11}, 9^7\})$	62705664
9	$\mathcal{O}(0; \{3^7, 9^{10}\})$	861643008
9	$\mathcal{O}(0; \{3^3, 9^{13}\})$	11606671440
10	$\mathcal{O}(5; \{5^3\})$	119882812500
10	$\mathcal{O}(4; \{2^4, 5^3\})$	1200000000
10	$\mathcal{O}(4; \{2^2, 5^2, 10^2\})$	5200000000
10	$\mathcal{O}(4; \{5, 10^4\})$	20400000000
10	$\mathcal{O}(3; \{2^8, 5^3\})$	12000000
10	$\mathcal{O}(3; \{5^8\})$	12903187500
10	$\mathcal{O}(3; \{2^3, 5^5, 10\})$	820000000
10	$\mathcal{O}(3; \{2^6, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{2, 5^4, 10^3\})$	3276000000
10	$\mathcal{O}(3; \{2^4, 5, 10^4\})$	204000000
10	$\mathcal{O}(3; \{2^2, 10^6\})$	820000000
10	$\mathcal{O}(2; \{2^{12}, 5^3\})$	120000
10	$\mathcal{O}(2; \{2^4, 5^8\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2^{10}, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{2^2, 5^7, 10^2\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^8, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{5^6, 10^4\})$	2097160000
10	$\mathcal{O}(2; \{2^3, 5^3, 10^5\})$	131080000
10	$\mathcal{O}(2; \{2^6, 10^6\})$	8200000
10	$\mathcal{O}(2; \{2, 5^2, 10^7\})$	524280000
10	$\mathcal{O}(1; \{2^{16}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^8, 5^8\})$	1310800
10	$\mathcal{O}(1; \{5^{13}\})$	1006632900
10	$\mathcal{O}(1; \{2^{11}, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^3, 5^{10}, 10\})$	83886000
10	$\mathcal{O}(1; \{2^{14}, 5^2, 10^2\})$	5200

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^6, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2, 5^9, 10^3\})$	335544400
10	$\mathcal{O}(1; \{2^{12}, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{2^4, 5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^7, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2^{10}, 10^6\})$	82000
10	$\mathcal{O}(1; \{2^2, 5^5, 10^6\})$	83886000
10	$\mathcal{O}(1; \{2^5, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(1; \{5^4, 10^8\})$	335544400
10	$\mathcal{O}(1; \{2^3, 5, 10^9\})$	20971600
10	$\mathcal{O}(1; \{2, 10^{11}\})$	83886000
10	$\mathcal{O}(0; \{2^{20}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^{12}, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^{15}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^7, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2^{18}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^{10}, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^{12}, 10^2\})$	53687092
10	$\mathcal{O}(0; \{2^{13}, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^{16}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^8, 5^6, 10^4\})$	209716
10	$\mathcal{O}(0; \{5^{11}, 10^4\})$	214748364
10	$\mathcal{O}(0; \{2^{11}, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^3, 5^8, 10^5\})$	13421772
10	$\mathcal{O}(0; \{2^{14}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^6, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{2^9, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{2, 5^7, 10^7\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^7, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^3, 10^{10}\})$	13421772
10	$\mathcal{O}(0; \{2^5, 10^{11}\})$	838860
10	$\mathcal{O}(0; \{5^2, 10^{12}\})$	53687092
11	$\mathcal{O}(3; \{11^6\})$	161052610510
12	$\mathcal{O}(4; \{3^4\})$	2569812480
12	$\mathcal{O}(4; \{2, 3^2, 6\})$	856604160
12	$\mathcal{O}(4; \{2^2, 6^2\})$	856604160
12	$\mathcal{O}(4; \{6, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^4, 3^4\})$	17635968
12	$\mathcal{O}(3; \{3^7\})$	123451776

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2^5, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{2, 3^5, 6\})$	64665216
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^6, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^2, 3^3, 6^2\})$	29393280
12	$\mathcal{O}(3; \{2^3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^3, 3, 6^3\})$	17635968
12	$\mathcal{O}(3; \{3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{3^2, 6^4\})$	64665216
12	$\mathcal{O}(3; \{2, 6^5\})$	29393280
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{2^3, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2, 4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{2^3, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{3^2, 4^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^4, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^2, 12^4\})$	143327232
12	$\mathcal{O}(2; \{2^8, 3^4\})$	116640
12	$\mathcal{O}(2; \{2^4, 3^7\})$	816480
12	$\mathcal{O}(2; \{3^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{2^9, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2^5, 3^5, 6\})$	427680
12	$\mathcal{O}(2; \{2, 3^8, 6\})$	3304800
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^{10}, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^6, 3^3, 6^2\})$	194400
12	$\mathcal{O}(2; \{2^2, 3^6, 6^2\})$	1671840
12	$\mathcal{O}(2; \{2^7, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^2\})$	414720

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$O(2; \{2^4, 4^4, 6^2\})$	331776
12	$O(2; \{3^3, 4^4, 6^2\})$	1658880
12	$O(2; \{2, 4^6, 6^2\})$	1327104
12	$O(2; \{2^7, 3, 6^3\})$	116640
12	$O(2; \{2^3, 3^4, 6^3\})$	816480
12	$O(2; \{2^4, 3, 4^2, 6^3\})$	248832
12	$O(2; \{3^4, 4^2, 6^3\})$	1741824
12	$O(2; \{2, 3, 4^4, 6^3\})$	995328
12	$O(2; \{2^4, 3^2, 6^4\})$	427680
12	$O(2; \{3^5, 6^4\})$	3304800
12	$O(2; \{2, 3^2, 4^2, 6^4\})$	912384
12	$O(2; \{2^5, 6^5\})$	194400
12	$O(2; \{2, 3^3, 6^5\})$	1671840
12	$O(2; \{2^2, 4^2, 6^5\})$	414720
12	$O(2; \{2^2, 3, 6^6\})$	816480
12	$O(2; \{6^8\})$	1671840
12	$O(2; \{2^6, 3^3, 4, 12\})$	248832
12	$O(2; \{2^2, 3^6, 4, 12\})$	1741824
12	$O(2; \{2^3, 3^3, 4^3, 12\})$	995328
12	$O(2; \{3^3, 4^5, 12\})$	3981312
12	$O(2; \{2^7, 3, 4, 6, 12\})$	82944
12	$O(2; \{2^3, 3^4, 4, 6, 12\})$	912384
12	$O(2; \{2^4, 3, 4^3, 6, 12\})$	331776
12	$O(2; \{3^4, 4^3, 6, 12\})$	3649536
12	$O(2; \{2, 3, 4^5, 6, 12\})$	1327104
12	$O(2; \{2^4, 3^2, 4, 6^2, 12\})$	414720
12	$O(2; \{3^5, 4, 6^2, 12\})$	3566592
12	$O(2; \{2, 3^2, 4^3, 6^2, 12\})$	1658880
12	$O(2; \{2^5, 4, 6^3, 12\})$	248832
12	$O(2; \{2, 3^3, 4, 6^3, 12\})$	1741824
12	$O(2; \{2^2, 4^3, 6^3, 12\})$	995328
12	$O(2; \{2^2, 3, 4, 6^4, 12\})$	912384
12	$O(2; \{4, 6^6, 12\})$	1741824
12	$O(2; \{2^7, 3^2, 12^2\})$	248832
12	$O(2; \{2^3, 3^5, 12^2\})$	1741824
12	$O(2; \{2^4, 3^2, 4^2, 12^2\})$	995328
12	$O(2; \{3^5, 4^2, 12^2\})$	6967296
12	$O(2; \{2, 3^2, 4^4, 12^2\})$	3981312
12	$O(2; \{2^8, 6, 12^2\})$	82944
12	$O(2; \{2^4, 3^3, 6, 12^2\})$	912384
12	$O(2; \{3^6, 6, 12^2\})$	7050240
12	$O(2; \{2^5, 4^2, 6, 12^2\})$	331776
12	$O(2; \{2, 3^3, 4^2, 6, 12^2\})$	3649536

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^3, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{4^2, 6^4, 12^2\})$	3649536
12	$\mathcal{O}(2; \{3, 6^5, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2, 3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^3, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{4^3, 6^2, 12^3\})$	6635520
12	$\mathcal{O}(2; \{3, 4, 6^3, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 12^4\})$	995328
12	$\mathcal{O}(2; \{2^2, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^3, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{4^4, 12^4\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{3, 4^2, 6, 12^4\})$	14598144
12	$\mathcal{O}(2; \{3^2, 6^2, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2, 6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3^2, 4, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2, 4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2, 3, 12^6\})$	27869184
12	$\mathcal{O}(1; \{2^{12}, 3^4\})$	648
12	$\mathcal{O}(1; \{2^8, 3^7\})$	4536
12	$\mathcal{O}(1; \{2^4, 3^{10}\})$	36936
12	$\mathcal{O}(1; \{3^{13}\})$	294840
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^{13}, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^9, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2^5, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2, 3^{11}, 6\})$	147528
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6\})$	6336

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^{14}, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^6, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{2^2, 3^9, 6^2\})$	73656
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2^8, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^5, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^2, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{2^7, 3^4, 6^3\})$	4536
12	$\mathcal{O}(1; \{2^3, 3^7, 6^3\})$	36936
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{2^8, 3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{2^4, 3^5, 6^4\})$	18360
12	$\mathcal{O}(1; \{3^8, 6^4\})$	147528
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{2^9, 6^5\})$	1080
12	$\mathcal{O}(1; \{2^5, 3^3, 6^5\})$	9288
12	$\mathcal{O}(1; \{2, 3^6, 6^5\})$	73656
12	$\mathcal{O}(1; \{2^6, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{2^3, 4^4, 6^5\})$	11520
12	$\mathcal{O}(1; \{4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^6, 3, 6^6\})$	4536
12	$\mathcal{O}(1; \{2^2, 3^4, 6^6\})$	36936

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^2, 6^7\})$	18360
12	$\mathcal{O}(1; \{3^2, 4^2, 6^7\})$	48960
12	$\mathcal{O}(1; \{2^4, 6^8\})$	9288
12	$\mathcal{O}(1; \{3^3, 6^8\})$	73656
12	$\mathcal{O}(1; \{2, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{2, 3, 6^9\})$	36936
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{2^9, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^6, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^3, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^4, 12\})$	25344
12	$\mathcal{O}(1; \{3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^5, 12\})$	24768

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^4, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{2, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{2^{11}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^{12}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^9, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^3, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^9, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^2, 4^4, 6^3, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^7, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^4, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^4, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{3^4, 6^5, 12^2\})$	196416

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{2, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^2, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^7, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^4, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^2, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^{10}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^6, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^7, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^4, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{2^7, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^5, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^2, 4^2, 6^3, 12^4\})$	193536

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{3^5, 4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^5, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^2, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^5, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^3, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{3, 6^3, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2, 6, 12^8\})$	3133440
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6\})$	704

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{3^9, 4^4, 6^2\})$	5456
12	$\mathcal{O}(0; \{2^9, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^6, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^2\})$	1280
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^4\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{2^7, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{2^4, 4^6, 6^5\})$	320

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2, 4^8, 6^5\})$	1280
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^6\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{2^5, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^2, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6, 12\})$	10928
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{3, 4^{11}, 6, 12\})$	4096

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{3^{11}, 4, 6^2, 12\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^2, 12\})$	320
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{3^2, 4^9, 6^2, 12\})$	5120
12	$\mathcal{O}(0; \{2^{13}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^7, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{2^4, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{3^3, 4^7, 6^3, 12\})$	5376
12	$\mathcal{O}(0; \{2, 4^9, 6^3, 12\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{3^6, 4, 6^6, 12\})$	5460
12	$\mathcal{O}(0; \{2^5, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^2, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^7, 12\})$	340

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{2^3, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{2^{15}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{16}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^{12}, 6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^4, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^2, 12^2\})$	80

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^5, 4^4, 6^3, 12^2\})$	10944
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^8, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^2, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^8, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^6, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^3, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 12^3\})$	336

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{3^5, 4^5, 6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^{11}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^8, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^2, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^6, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^3, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{3^2, 4, 6^7, 12^3\})$	10928

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{14}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{10}, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^6, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^8, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^5, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^2, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{2^{11}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^7, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^7, 6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^9, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^5, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2, 3^6, 6^3, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^6, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^3, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^6, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^2, 4^2, 6^5, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^4, 6^6, 12^4\})$	2736

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^9, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^6, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^3, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{4^7, 6, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^4, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{2, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^7, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2, 4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^4, 3, 6^3, 12^6\})$	10944

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 6^3, 12^6\})$	87360
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{2, 3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^7, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^4, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^4, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^2, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^5, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^2, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{2^2, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^2, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^3, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{3, 6, 12^{10}\})$	699392
13	$\mathcal{O}(5; \emptyset)$	137858491848
14	$\mathcal{O}(3; \{7^4\})$	1378610982
14	$\mathcal{O}(2; \{2^4, 7^4\})$	7145376
14	$\mathcal{O}(2; \{2^2, 7^3, 14^2\})$	42641760
14	$\mathcal{O}(2; \{7^2, 14^4\})$	256081056
14	$\mathcal{O}(1; \{2^8, 7^4\})$	36456
14	$\mathcal{O}(1; \{2, 7^7, 14\})$	47029416
14	$\mathcal{O}(1; \{2^6, 7^3, 14^2\})$	217560
14	$\mathcal{O}(1; \{2^4, 7^2, 14^4\})$	1306536
14	$\mathcal{O}(1; \{2^2, 7, 14^6\})$	7838040
14	$\mathcal{O}(1; \{14^8\})$	47029416
14	$\mathcal{O}(0; \{2^{12}, 7^4\})$	186
14	$\mathcal{O}(0; \{2^5, 7^7, 14\})$	239946
14	$\mathcal{O}(0; \{2^{10}, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{2^3, 7^6, 14^3\})$	1439670
14	$\mathcal{O}(0; \{2^8, 7^2, 14^4\})$	6666

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2, 7^5, 14^5\})$	8638026
14	$\mathcal{O}(0; \{2^6, 7, 14^6\})$	39990
14	$\mathcal{O}(0; \{2^4, 14^8\})$	239946
15	$\mathcal{O}(3; \{3^2, 5^2\})$	91125000
15	$\mathcal{O}(2; \{3^5, 5^2\})$	2025000
15	$\mathcal{O}(2; \{3, 5^3, 15^2\})$	20655000
15	$\mathcal{O}(2; \{3^2, 5, 15^3\})$	26325000
15	$\mathcal{O}(1; \{3^8, 5^2\})$	77400
15	$\mathcal{O}(1; \{3^2, 5^7\})$	1474200
15	$\mathcal{O}(1; \{3^3, 5^5, 15\})$	1107000
15	$\mathcal{O}(1; \{3^4, 5^3, 15^2\})$	1009800
15	$\mathcal{O}(1; \{3^5, 5, 15^3\})$	1006200
15	$\mathcal{O}(1; \{5^4, 15^4\})$	17695800
15	$\mathcal{O}(1; \{3, 5^2, 15^5\})$	16216200
15	$\mathcal{O}(1; \{3^2, 15^6\})$	15867000
15	$\mathcal{O}(0; \{3^{11}, 5^2\})$	2728
15	$\mathcal{O}(0; \{3^5, 5^7\})$	32760
15	$\mathcal{O}(0; \{3^6, 5^5, 15\})$	34440
15	$\mathcal{O}(0; \{3^7, 5^3, 15^2\})$	34680
15	$\mathcal{O}(0; \{3, 5^8, 15^2\})$	419432
15	$\mathcal{O}(0; \{3^8, 5, 15^3\})$	35464
15	$\mathcal{O}(0; \{3^2, 5^6, 15^3\})$	524280
15	$\mathcal{O}(0; \{3^3, 5^4, 15^4\})$	550536
15	$\mathcal{O}(0; \{3^4, 5^2, 15^5\})$	556920
15	$\mathcal{O}(0; \{3^5, 15^6\})$	559240
15	$\mathcal{O}(0; \{5^3, 15^7\})$	8808072
15	$\mathcal{O}(0; \{3, 5, 15^8\})$	8912760
16	$\mathcal{O}(3; \{2^2, 4^2\})$	33030144
16	$\mathcal{O}(3; \{4, 8^2\})$	132120576
16	$\mathcal{O}(2; \{2^6, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^3, 4^4\})$	491520
16	$\mathcal{O}(2; \{4^6\})$	1966080
16	$\mathcal{O}(2; \{2^4, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{2, 4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2^2, 8^4\})$	3932160
16	$\mathcal{O}(2; \{2^2, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(2; \{8^3, 16^2\})$	33554432
16	$\mathcal{O}(2; \{4, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^{10}, 4^2\})$	384
16	$\mathcal{O}(1; \{2^7, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^4, 4^6\})$	6144
16	$\mathcal{O}(1; \{2, 4^8\})$	24576
16	$\mathcal{O}(1; \{2^8, 4, 8^2\})$	1536

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^5, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^2, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^6, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^3, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{4^4, 8^4\})$	196608
16	$\mathcal{O}(1; \{2, 4, 8^6\})$	393216
16	$\mathcal{O}(1; \{2^6, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^3, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{4^5, 8, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^4, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2, 4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^4, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{2, 4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^2, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(1; \{8, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^{10}, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^7, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^4, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2, 4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^8, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^5, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^2, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^3, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{4^3, 8^5, 16^2\})$	65536
16	$\mathcal{O}(0; \{2, 8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^8, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^5, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^2, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^6, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{4^4, 8^2, 16^4\})$	131072
16	$\mathcal{O}(0; \{2, 4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^4, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{2, 4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^2, 16^8\})$	2097152
18	$\mathcal{O}(3; \{9^2\})$	200884698
18	$\mathcal{O}(2; \{2^4, 9^2\})$	629856
18	$\mathcal{O}(2; \{3^3, 9^2\})$	4723920
18	$\mathcal{O}(2; \{2, 3, 6, 9^2\})$	2519424
18	$\mathcal{O}(2; \{2^2, 9, 18^2\})$	1889568
18	$\mathcal{O}(2; \{18^4\})$	17006112
18	$\mathcal{O}(1; \{2^8, 9^2\})$	1944
18	$\mathcal{O}(1; \{2^4, 3^3, 9^2\})$	15552

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{3^6, 9^2\})$	93312
18	$\mathcal{O}(1; \{2^5, 3, 6, 9^2\})$	7776
18	$\mathcal{O}(1; \{2, 3^4, 6, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^3, 6^3, 9^2\})$	15552
18	$\mathcal{O}(1; \{3, 6^4, 9^2\})$	62208
18	$\mathcal{O}(1; \{3^2, 9^5\})$	787320
18	$\mathcal{O}(1; \{2, 6, 9^5\})$	524880
18	$\mathcal{O}(1; \{2^3, 3, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{3^2, 6, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2, 6^2, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^6, 9, 18^2\})$	5832
18	$\mathcal{O}(1; \{2^2, 3^3, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^3, 3, 6, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{3^2, 6^2, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2, 6^3, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2, 3, 9^2, 18^3\})$	524880
18	$\mathcal{O}(1; \{2^4, 18^4\})$	52488
18	$\mathcal{O}(1; \{3^3, 18^4\})$	419904
18	$\mathcal{O}(1; \{2, 3, 6, 18^4\})$	209952
18	$\mathcal{O}(0; \{2^{12}, 9^2\})$	6
18	$\mathcal{O}(0; \{2^8, 3^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^4, 3^6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^9, 3, 6, 9^2\})$	24
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 9^2\})$	192
18	$\mathcal{O}(0; \{2, 3^7, 6, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 9^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 9^2\})$	768
18	$\mathcal{O}(0; \{2^7, 6^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 9^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 9^2\})$	192
18	$\mathcal{O}(0; \{3^4, 6^4, 9^2\})$	1536
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 9^2\})$	768
18	$\mathcal{O}(0; \{2^2, 6^6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^5, 6, 9^5\})$	1620
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^5\})$	6480
18	$\mathcal{O}(0; \{6^4, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^7, 3, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^3, 3^4, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{3^5, 6, 9^3, 18\})$	10368

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 6^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{6^5, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^3, 9^6, 18\})$	30618
18	$\mathcal{O}(0; \{3, 6, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^{10}, 9, 18^2\})$	18
18	$\mathcal{O}(0; \{2^6, 3^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^2, 3^6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^7, 3, 6, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{3^5, 6^2, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^5, 6^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{6^6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^2, 3^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^3, 6, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{3, 6^2, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^5, 3, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{2, 3^4, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^3, 6^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{3, 6^3, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2, 9^5, 18^3\})$	188082
18	$\mathcal{O}(0; \{2^8, 18^4\})$	162
18	$\mathcal{O}(0; \{2^4, 3^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{3^6, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^5, 3, 6, 18^4\})$	648
18	$\mathcal{O}(0; \{2, 3^4, 6, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^3, 6^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{3, 6^4, 18^4\})$	5184
18	$\mathcal{O}(0; \{3^2, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2, 6, 9^3, 18^4\})$	61236
18	$\mathcal{O}(0; \{2^3, 3, 9, 18^5\})$	10692
18	$\mathcal{O}(0; \{3^2, 6, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2, 6^2, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2, 3, 18^7\})$	61236
20	$\mathcal{O}(2; \{5^4\})$	7800000
20	$\mathcal{O}(2; \{2^3, 5, 10\})$	600000
20	$\mathcal{O}(2; \{4^2, 5, 10\})$	1280000

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2, 10^3\})$	1800000
20	$\mathcal{O}(2; \{2, 5, 20^2\})$	3840000
20	$\mathcal{O}(1; \{2^4, 5^4\})$	15600
20	$\mathcal{O}(1; \{2, 4^2, 5^4\})$	41600
20	$\mathcal{O}(1; \{2^7, 5, 10\})$	1200
20	$\mathcal{O}(1; \{2^4, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{2, 4^4, 5, 10\})$	12800
20	$\mathcal{O}(1; \{2^2, 5^3, 10^2\})$	61200
20	$\mathcal{O}(1; \{2^5, 10^3\})$	3600
20	$\mathcal{O}(1; \{2^2, 4^2, 10^3\})$	9600
20	$\mathcal{O}(1; \{5^2, 10^4\})$	246000
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{4, 5, 10^3, 20\})$	163200
20	$\mathcal{O}(1; \{2^5, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{5^3, 10, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 10^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{4^2, 10^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{4, 5^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2, 10, 20^4\})$	652800
20	$\mathcal{O}(0; \{2^5, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2^2, 4^4, 5^4\})$	416
20	$\mathcal{O}(0; \{2^8, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^5, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2^2, 4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{4^2, 5^6, 10\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{4^4, 5^3, 10^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2^3, 4^4, 10^3\})$	96
20	$\mathcal{O}(0; \{4^6, 10^3\})$	384
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^4\})$	1640
20	$\mathcal{O}(0; \{2^3, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 5^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{4^5, 5^2, 10, 20\})$	1664
20	$\mathcal{O}(0; \{2, 4, 5^4, 10^2, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^3, 20\})$	1632
20	$\mathcal{O}(0; \{2^2, 4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^9, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 20^2\})$	96

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 20^2\})$	384
20	$\mathcal{O}(0; \{4^6, 5, 20^2\})$	1536
20	$\mathcal{O}(0; \{2, 5^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^7, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^4, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2, 4^4, 10^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2^2, 5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{5, 10^5, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{4, 10^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^2, 5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^5, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^2, 4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{5^2, 10^2, 20^4\})$	104864
20	$\mathcal{O}(0; \{4, 5, 10, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^3, 20^6\})$	26240
20	$\mathcal{O}(0; \{4^2, 20^6\})$	104960
21	$\mathcal{O}(1; \{3^2, 7^2, 21^2\})$	492156
21	$\mathcal{O}(0; \{3^4, 7^5\})$	6660
21	$\mathcal{O}(0; \{3^5, 7^2, 21^2\})$	7812
21	$\mathcal{O}(0; \{3, 7^4, 21^3\})$	239940
21	$\mathcal{O}(0; \{3^2, 7, 21^5\})$	279972
22	$\mathcal{O}(2; \{11^3\})$	19765350
22	$\mathcal{O}(1; \{2^4, 11^3\})$	43560
22	$\mathcal{O}(1; \{2^2, 11^2, 22^2\})$	440440
22	$\mathcal{O}(1; \{11, 22^4\})$	4399560
22	$\mathcal{O}(0; \{2^8, 11^3\})$	90
22	$\mathcal{O}(0; \{2^6, 11^2, 22^2\})$	910
22	$\mathcal{O}(0; \{2^4, 11, 22^4\})$	9090
22	$\mathcal{O}(0; \{2^2, 22^6\})$	90910
24	$\mathcal{O}(2; \{2^2, 3^2\})$	622080
24	$\mathcal{O}(2; \{3, 6^2\})$	622080
24	$\mathcal{O}(2; \{3, 4, 12\})$	1244160
24	$\mathcal{O}(2; \{2, 12^2\})$	1244160
24	$\mathcal{O}(1; \{2^6, 3^2\})$	864
24	$\mathcal{O}(1; \{2^2, 3^5\})$	4320
24	$\mathcal{O}(1; \{2^3, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{3^2, 4^4\})$	6912
24	$\mathcal{O}(1; \{2^3, 3^3, 6\})$	2592

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3^3, 4^2, 6\})$	5184
24	$\mathcal{O}(1; \{2^4, 3, 6^2\})$	864
24	$\mathcal{O}(1; \{3^4, 6^2\})$	9504
24	$\mathcal{O}(1; \{2, 3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2, 3^2, 6^3\})$	4320
24	$\mathcal{O}(1; \{2^2, 6^4\})$	2592
24	$\mathcal{O}(1; \{2, 3^2, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^4, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{3^4, 4, 12\})$	8640
24	$\mathcal{O}(1; \{2, 3, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12\})$	5184
24	$\mathcal{O}(1; \{2^2, 4, 6^2, 12\})$	1728
24	$\mathcal{O}(1; \{2^2, 3, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{6^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^5, 12^2\})$	1728
24	$\mathcal{O}(1; \{2, 3^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2^2, 3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{6^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{4, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{4, 6, 12^3\})$	20736
24	$\mathcal{O}(1; \{3, 12^4\})$	34560
24	$\mathcal{O}(1; \{2, 3^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{6^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{4, 6, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{3, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2^2, 3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{4, 6^2, 24^2\})$	27648
24	$\mathcal{O}(1; \{3, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^3, 12, 24^2\})$	9216
24	$\mathcal{O}(1; \{4^2, 12, 24^2\})$	36864
24	$\mathcal{O}(1; \{3, 6, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 24^4\})$	221184
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3^5, 4, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 4, 6^4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 3^2, 8^4\})$	128

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 4^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3^3, 6, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^6, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^2, 3^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{3, 4^4, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^4, 6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^3, 6^2, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2, 3, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^4, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^2, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{8^2, 12^5\})$	1280
24	$\mathcal{O}(0; \{2^5, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^6, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{3, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 8, 24\})$	40
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^4, 6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{3^3, 6^3, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 8, 24\})$	96
24	$\mathcal{O}(0; \{2, 3, 6^4, 8, 24\})$	88
24	$\mathcal{O}(0; \{3^3, 4, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{3^2, 4^3, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{2^4, 4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3^3, 4, 6, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 4^3, 6, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8, 12, 24\})$	160

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 6, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{3^4, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 4, 8, 12^3, 24\})$	384
24	$\mathcal{O}(0; \{8^3, 12^3, 24\})$	3072
24	$\mathcal{O}(0; \{6, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^6, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3^4, 4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{3, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 24^2\})$	80
24	$\mathcal{O}(0; \{3^2, 4^3, 6, 24^2\})$	320
24	$\mathcal{O}(0; \{2^4, 4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{3^3, 4, 6^2, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 4^3, 6^2, 24^2\})$	192
24	$\mathcal{O}(0; \{2, 3, 4, 6^3, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{3^4, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^7, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2^3, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{3^3, 4^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 4^4, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{3^4, 6, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{8^4, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{2, 3^2, 4, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{6, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^2, 3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{6^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{4, 12^4, 24^2\})$	2816

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{6, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^2, 3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{6^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{4, 8, 12^2, 24^3\})$	5120
24	$\mathcal{O}(0; \{2^5, 24^4\})$	384
24	$\mathcal{O}(0; \{2, 3^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{2^2, 3, 6, 24^4\})$	1408
24	$\mathcal{O}(0; \{6^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{4, 8^2, 24^4\})$	12288
24	$\mathcal{O}(0; \{4, 6, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{3, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{3, 8, 24^5\})$	22528
26	$\mathcal{O}(3; \emptyset)$	304088904
26	$\mathcal{O}(2; \{2^4\})$	456960
26	$\mathcal{O}(1; \{2^8\})$	672
27	$\mathcal{O}(1; \{27^4\})$	3188646
27	$\mathcal{O}(0; \{3^3, 27^4\})$	34992
28	$\mathcal{O}(2; \{7^2\})$	3457440
28	$\mathcal{O}(1; \{2^4, 7^2\})$	3528
28	$\mathcal{O}(1; \{2, 4^2, 7^2\})$	9408
28	$\mathcal{O}(1; \{2^2, 7, 14^2\})$	17640
28	$\mathcal{O}(1; \{14^4\})$	109368
28	$\mathcal{O}(1; \{7, 14, 28^2\})$	291648
28	$\mathcal{O}(0; \{2^5, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{2^2, 4^4, 7^2\})$	48
28	$\mathcal{O}(0; \{2^3, 4^2, 7, 14^2\})$	60
28	$\mathcal{O}(0; \{4^4, 7, 14^2\})$	240
28	$\mathcal{O}(0; \{2, 4^2, 14^4\})$	372
28	$\mathcal{O}(0; \{2, 4, 7^3, 14, 28\})$	2220
28	$\mathcal{O}(0; \{2^4, 7, 14, 28^2\})$	372
28	$\mathcal{O}(0; \{2, 4^2, 7, 14, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^2, 14^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^2, 7, 28^4\})$	8880
28	$\mathcal{O}(0; \{14^2, 28^4\})$	53328
30	$\mathcal{O}(1; \{6^2, 10^2\})$	7200
30	$\mathcal{O}(1; \{5, 6, 10, 15\})$	21600
30	$\mathcal{O}(1; \{5^2, 15^2\})$	70200
30	$\mathcal{O}(1; \{3, 15^3\})$	48600
30	$\mathcal{O}(1; \{3, 10, 15, 30\})$	21600
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 10\})$	104

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 10\})$	104
30	$\mathcal{O}(0; \{2^2, 3^4, 10^2\})$	24
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{2^4, 6^2, 10^2\})$	8
30	$\mathcal{O}(0; \{3^3, 6^2, 10^2\})$	40
30	$\mathcal{O}(0; \{2, 3, 6^3, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 5^4, 6, 15\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 5, 6, 10, 15\})$	24
30	$\mathcal{O}(0; \{3^3, 5, 6, 10, 15\})$	120
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 10, 15\})$	72
30	$\mathcal{O}(0; \{2, 3^2, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 6, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2^4, 5^2, 15^2\})$	104
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 15^2\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 10^2, 15^2\})$	408
30	$\mathcal{O}(0; \{10^4, 15^2\})$	1640
30	$\mathcal{O}(0; \{2^4, 3, 15^3\})$	72
30	$\mathcal{O}(0; \{2, 3^2, 6, 15^3\})$	264
30	$\mathcal{O}(0; \{2^2, 6^2, 15^3\})$	120
30	$\mathcal{O}(0; \{6, 10, 15^4\})$	2040
30	$\mathcal{O}(0; \{3^3, 5^2, 10, 30\})$	312
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 10, 30\})$	104
30	$\mathcal{O}(0; \{2, 3, 5^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^4, 3, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{3^4, 10, 15, 30\})$	264
30	$\mathcal{O}(0; \{2, 3^2, 6, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 6^2, 10, 15, 30\})$	72
30	$\mathcal{O}(0; \{2, 3^2, 5, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2^2, 5, 6, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{6, 10^2, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{5, 10, 15^3, 30\})$	4920
30	$\mathcal{O}(0; \{2, 3^2, 5, 10, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 6, 10, 30^2\})$	104
30	$\mathcal{O}(0; \{6, 10^3, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 5^2, 15, 30^2\})$	408
30	$\mathcal{O}(0; \{5, 10^2, 15, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 15^2, 30^2\})$	520
30	$\mathcal{O}(0; \{6^2, 15^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2^2, 3, 10, 30^3\})$	312
30	$\mathcal{O}(0; \{6^2, 10, 30^3\})$	520
30	$\mathcal{O}(0; \{5, 6, 15, 30^3\})$	2040
30	$\mathcal{O}(0; \{5^2, 30^4\})$	4920

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Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 15, 30^4\})$	4488
32	$\mathcal{O}(1; \{2^3, 8^2\})$	3072
32	$\mathcal{O}(1; \{4^2, 8^2\})$	12288
32	$\mathcal{O}(1; \{2, 8, 16^2\})$	24576
32	$\mathcal{O}(0; \{2^3, 8, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{4^2, 8, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{2, 16^3, 32^2\})$	8192
32	$\mathcal{O}(0; \{2, 8, 32^4\})$	16384
33	$\mathcal{O}(1; \{3^2, 11^2\})$	21780
33	$\mathcal{O}(0; \{3^5, 11^2\})$	100
33	$\mathcal{O}(0; \{3^2, 11, 33^3\})$	9100
35	$\mathcal{O}(0; \{5^3, 7^3\})$	360
36	$\mathcal{O}(1; \{2^2, 18^2\})$	5832
36	$\mathcal{O}(1; \{18, 36^2\})$	46656
36	$\mathcal{O}(0; \{3, 4^2, 9^2, 18\})$	72
36	$\mathcal{O}(0; \{2, 4, 9^2, 12, 18\})$	72
36	$\mathcal{O}(0; \{2^3, 4^2, 18^2\})$	12
36	$\mathcal{O}(0; \{4^4, 18^2\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 6, 18^2\})$	48
36	$\mathcal{O}(0; \{3^2, 4, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{2, 4, 6, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 3, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{2, 4, 9^3, 36\})$	324
36	$\mathcal{O}(0; \{3^2, 4, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{2, 4, 6, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{2, 3, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{2, 3, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^4, 18, 36^2\})$	36
36	$\mathcal{O}(0; \{3^3, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 4^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 3, 6, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2^2, 36^4\})$	1296
39	$\mathcal{O}(1; \{3^4\})$	9072
40	$\mathcal{O}(1; \{2^2, 5^2\})$	4800
40	$\mathcal{O}(1; \{5, 10^2\})$	14400
40	$\mathcal{O}(1; \{4, 10, 20\})$	9600
40	$\mathcal{O}(0; \{2, 4, 5^2, 8^2\})$	32
40	$\mathcal{O}(0; \{2^2, 8^2, 10, 20\})$	32
40	$\mathcal{O}(0; \{8^2, 20^3\})$	384
40	$\mathcal{O}(0; \{2^2, 5, 8, 20, 40\})$	96
40	$\mathcal{O}(0; \{8, 10^2, 20, 40\})$	416
40	$\mathcal{O}(0; \{2^2, 4, 10, 40^2\})$	96
40	$\mathcal{O}(0; \{8^2, 10, 40^2\})$	768

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{5, 10, 20, 40^2\})$	1632
40	$\mathcal{O}(0; \{4, 20^2, 40^2\})$	1664
40	$\mathcal{O}(0; \{5, 8, 40^3\})$	3328
42	$\mathcal{O}(1; \{3, 7, 21\})$	15876
42	$\mathcal{O}(0; \{2, 3^2, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2^4, 3, 7, 21\})$	12
42	$\mathcal{O}(0; \{2, 3^2, 6, 7, 21\})$	36
42	$\mathcal{O}(0; \{2^2, 6^2, 7, 21\})$	12
42	$\mathcal{O}(0; \{2^2, 3, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{6^2, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{6, 7^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{3, 14, 21^2, 42\})$	1116
42	$\mathcal{O}(0; \{2^2, 3, 7, 42^2\})$	60
42	$\mathcal{O}(0; \{6^2, 7, 42^2\})$	180
42	$\mathcal{O}(0; \{3, 14^2, 42^2\})$	372
44	$\mathcal{O}(1; \{2, 11, 22\})$	14520
44	$\mathcal{O}(0; \{2^2, 4^2, 11, 22\})$	20
44	$\mathcal{O}(0; \{4^2, 22^3\})$	180
44	$\mathcal{O}(0; \{2^3, 11, 44^2\})$	180
44	$\mathcal{O}(0; \{4^2, 11, 44^2\})$	720
44	$\mathcal{O}(0; \{2, 22^2, 44^2\})$	1820
45	$\mathcal{O}(0; \{5^2, 9^2, 15\})$	144
45	$\mathcal{O}(0; \{3, 9^2, 15^2\})$	192
45	$\mathcal{O}(0; \{3, 5, 9, 45^2\})$	432
48	$\mathcal{O}(0; \{3^2, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{2, 6, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{3, 4, 6, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^2, 12, 16, 48\})$	96
48	$\mathcal{O}(0; \{2, 6, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{3^2, 8, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 6, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{2, 4, 24, 48^2\})$	128
52	$\mathcal{O}(2; \emptyset)$	6854400
52	$\mathcal{O}(1; \{2^4\})$	2016
52	$\mathcal{O}(1; \{2, 4^2\})$	5376
53	$\mathcal{O}(1; \{53^2\})$	146068
54	$\mathcal{O}(1; \{27^2\})$	39366
54	$\mathcal{O}(0; \{2^4, 27^2\})$	18
54	$\mathcal{O}(0; \{2, 3, 6, 27^2\})$	72
54	$\mathcal{O}(0; \{2^2, 27, 54^2\})$	162
54	$\mathcal{O}(0; \{54^4\})$	4374
56	$\mathcal{O}(1; \{14^2\})$	14112
56	$\mathcal{O}(0; \{14, 28, 56^2\})$	1488

Continued on next page

Table 3 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{12, 15^2, 20\})$	48
60	$\mathcal{O}(0; \{2, 3^2, 20^2\})$	16
60	$\mathcal{O}(0; \{12^2, 20^2\})$	64
60	$\mathcal{O}(0; \{12^2, 15, 30\})$	48
60	$\mathcal{O}(0; \{10, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{10, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{6, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{6, 15, 60^2\})$	144
60	$\mathcal{O}(0; \{5, 30, 60^2\})$	208
65	$\mathcal{O}(1; \{5^2\})$	16800
66	$\mathcal{O}(0; \{6^2, 22^2\})$	20
66	$\mathcal{O}(0; \{3, 22, 33, 66\})$	180
70	$\mathcal{O}(0; \{5, 7, 10, 14\})$	24
72	$\mathcal{O}(0; \{2, 36, 72^2\})$	144
78	$\mathcal{O}(1; \{3^2\})$	9072
104	$\mathcal{O}(1; \{2^2\})$	8064
106	$\mathcal{O}(0; \{2^2, 106^2\})$	52
107	$\mathcal{O}(0; \{107^3\})$	11130
108	$\mathcal{O}(0; \{54, 108^2\})$	324
120	$\mathcal{O}(0; \{15, 24, 40\})$	32
159	$\mathcal{O}(0; \{3, 159^2\})$	104
212	$\mathcal{O}(0; \{2, 212^2\})$	104
214	$\mathcal{O}(0; \{2, 107, 214\})$	106

Table 4: 54-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(54; \emptyset)$	1
2	$\mathcal{O}(27; \{2^2\})$	18014398509481984
2	$\mathcal{O}(26; \{2^6\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{10}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{14}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{18}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{22}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{26}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{30}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{34}\})$	274877906944
2	$\mathcal{O}(18; \{2^{38}\})$	68719476736
2	$\mathcal{O}(17; \{2^{42}\})$	17179869184
2	$\mathcal{O}(16; \{2^{46}\})$	4294967296

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(15; \{2^{50}\})$	1073741824
2	$\mathcal{O}(14; \{2^{54}\})$	268435456
2	$\mathcal{O}(13; \{2^{58}\})$	67108864
2	$\mathcal{O}(12; \{2^{62}\})$	16777216
2	$\mathcal{O}(11; \{2^{66}\})$	4194304
2	$\mathcal{O}(10; \{2^{70}\})$	1048576
2	$\mathcal{O}(9; \{2^{74}\})$	262144
2	$\mathcal{O}(8; \{2^{78}\})$	65536
2	$\mathcal{O}(7; \{2^{82}\})$	16384
2	$\mathcal{O}(6; \{2^{86}\})$	4096
2	$\mathcal{O}(5; \{2^{90}\})$	1024
2	$\mathcal{O}(4; \{2^{94}\})$	256
2	$\mathcal{O}(3; \{2^{98}\})$	64
2	$\mathcal{O}(2; \{2^{102}\})$	16
2	$\mathcal{O}(1; \{2^{106}\})$	4
2	$\mathcal{O}(0; \{2^{110}\})$	1
3	$\mathcal{O}(18; \{3^2\})$	300189270593998242
3	$\mathcal{O}(17; \{3^5\})$	166771816996665690
3	$\mathcal{O}(16; \{3^8\})$	159359736241258326
3	$\mathcal{O}(15; \{3^{11}\})$	140417752088550618
3	$\mathcal{O}(14; \{3^{14}\})$	124953040388996982
3	$\mathcal{O}(13; \{3^{17}\})$	111054118039694010
3	$\mathcal{O}(12; \{3^{20}\})$	98716466168058006
3	$\mathcal{O}(11; \{3^{23}\})$	87747781640805018
3	$\mathcal{O}(10; \{3^{26}\})$	77998049045866422
3	$\mathcal{O}(9; \{3^{29}\})$	69331596827358330
3	$\mathcal{O}(8; \{3^{32}\})$	61628086327043286
3	$\mathcal{O}(7; \{3^{35}\})$	54780521150896218
3	$\mathcal{O}(6; \{3^{38}\})$	48693796581763062
3	$\mathcal{O}(5; \{3^{41}\})$	43283374738990650
3	$\mathcal{O}(4; \{3^{44}\})$	38474110879142166
3	$\mathcal{O}(3; \{3^{47}\})$	34199209670344218
3	$\mathcal{O}(2; \{3^{50}\})$	30399297484750902
3	$\mathcal{O}(1; \{3^{53}\})$	27021597764222970
3	$\mathcal{O}(0; \{3^{56}\})$	24019198012642646
4	$\mathcal{O}(13; \{2^2, 4^2\})$	9007199254740992
4	$\mathcal{O}(12; \{2^6, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^3, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{4^6\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{10}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^7, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^4, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2, 4^8\})$	2251799813685248

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^{14}, 4^2\})$	219902325552
4	$\mathcal{O}(10; \{2^{11}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^8, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^5, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^2, 4^{10}\})$	562949953421312
4	$\mathcal{O}(9; \{2^{18}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{15}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{12}, 4^6\})$	219902325552
4	$\mathcal{O}(9; \{2^9, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^6, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^3, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{4^{14}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{22}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{19}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{16}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{13}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{10}, 4^{10}\})$	219902325552
4	$\mathcal{O}(8; \{2^7, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^4, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2, 4^{16}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{26}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{23}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{20}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{17}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{14}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{11}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^8, 4^{14}\})$	219902325552
4	$\mathcal{O}(7; \{2^5, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^2, 4^{18}\})$	35184372088832
4	$\mathcal{O}(6; \{2^{30}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{27}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{24}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{21}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{18}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{15}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{12}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^9, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^6, 4^{18}\})$	219902325552
4	$\mathcal{O}(6; \{2^3, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{4^{22}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{34}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{31}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{28}, 4^6\})$	33554432

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{25}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{22}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{19}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{16}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{13}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{10}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^7, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^4, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2, 4^{24}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{38}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{35}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{32}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{29}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{26}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{23}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{20}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{17}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{14}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{11}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^8, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^5, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^2, 4^{26}\})$	2199023255552
4	$\mathcal{O}(3; \{2^{42}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{39}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{36}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{33}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{30}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{27}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{24}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{21}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{18}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{15}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{12}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^9, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^6, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^3, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{4^{30}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{46}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{43}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{40}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{37}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{34}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{31}, 4^{12}\})$	524288

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{28}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{25}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{22}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{19}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{16}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{13}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{10}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^7, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^4, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2, 4^{32}\})$	549755813888
4	$\mathcal{O}(1; \{2^{50}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{47}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{44}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{41}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{38}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{35}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{32}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{29}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{26}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{23}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{20}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{17}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{14}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{11}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^8, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^5, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^2, 4^{34}\})$	137438953472
4	$\mathcal{O}(0; \{2^{54}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{51}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{48}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{45}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{42}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{39}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{36}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{33}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{30}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{27}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{24}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{21}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{18}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{15}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{12}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^9, 4^{32}\})$	2147483648

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^6, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^3, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{4^{38}\})$	137438953472
5	$\mathcal{O}(10; \{5^4\})$	4959106445312500
5	$\mathcal{O}(8; \{5^9\})$	7999877929687500
5	$\mathcal{O}(6; \{5^{14}\})$	13107200195312500
5	$\mathcal{O}(4; \{5^{19}\})$	21474836479687500
5	$\mathcal{O}(2; \{5^{24}\})$	35184372088832500
5	$\mathcal{O}(0; \{5^{29}\})$	57646075230342348
6	$\mathcal{O}(9; \{6^2\})$	203119913336832
6	$\mathcal{O}(8; \{2^2, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^3, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^4, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(7; \{2^6, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^2, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^7, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^3, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^8, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^4, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^5, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2^2, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^3, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{3, 6^6\})$	3291294892032
6	$\mathcal{O}(6; \{2^{10}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^6, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^{11}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^7, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^3, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2^{12}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^8, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^4, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^9, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^5, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^6, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^2, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^7, 6^5\})$	21767823360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^3, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^4, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^2, 6^8\})$	187203280896
6	$\mathcal{O}(5; \{2^{14}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{10}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^6, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{11}, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^7, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^{16}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{12}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^8, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{2^{13}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^9, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^5, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{10}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^6, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^{11}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^7, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^8, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{2^5, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^6, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^3, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2, 6^{11}\})$	41237932032
6	$\mathcal{O}(4; \{2^{18}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{14}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{10}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^{16}\})$	36692891136

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{19}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{15}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{11}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^{20}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{16}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{12}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^8, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{2^{17}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{13}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^9, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^5, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{10}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^6, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^{15}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^7, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^{12}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^8, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^9, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^5, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2^{10}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^6, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^7, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^5, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{6^{14}\})$	9174062592
6	$\mathcal{O}(3; \{2^{22}, 3^4\})$	279936

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{18}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{14}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^{23}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{19}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{15}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{11}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^{24}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{20}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{16}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{12}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{21}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{17}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{13}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^9, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{14}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{10}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^{19}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^7, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^{16}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^9, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2, 3^{11}, 6^7\})$	4076894592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^{11}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^7, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^8, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{2^9, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^6, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^4, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(2; \{2^{26}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{22}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{18}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{14}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^{27}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{23}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{19}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{15}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{11}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^{28}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{24}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{20}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{16}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{12}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{25}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{21}, 3^4, 6^3\})$	54432

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$O(2; \{2^{17}, 3^7, 6^3\})$	443232
6	$O(2; \{2^{13}, 3^{10}, 6^3\})$	3538080
6	$O(2; \{2^9, 3^{13}, 6^3\})$	28312416
6	$O(2; \{2^5, 3^{16}, 6^3\})$	226491552
6	$O(2; \{2, 3^{19}, 6^3\})$	1811940192
6	$O(2; \{2^{22}, 3^2, 6^4\})$	28512
6	$O(2; \{2^{18}, 3^5, 6^4\})$	220320
6	$O(2; \{2^{14}, 3^8, 6^4\})$	1770336
6	$O(2; \{2^{10}, 3^{11}, 6^4\})$	14154912
6	$O(2; \{2^6, 3^{14}, 6^4\})$	113247072
6	$O(2; \{2^2, 3^{17}, 6^4\})$	905968800
6	$O(2; \{2^{23}, 6^5\})$	12960
6	$O(2; \{2^{19}, 3^3, 6^5\})$	111456
6	$O(2; \{2^{15}, 3^6, 6^5\})$	883872
6	$O(2; \{2^{11}, 3^9, 6^5\})$	7078752
6	$O(2; \{2^7, 3^{12}, 6^5\})$	56622240
6	$O(2; \{2^3, 3^{15}, 6^5\})$	452985696
6	$O(2; \{2^{20}, 3, 6^6\})$	54432
6	$O(2; \{2^{16}, 3^4, 6^6\})$	443232
6	$O(2; \{2^{12}, 3^7, 6^6\})$	3538080
6	$O(2; \{2^8, 3^{10}, 6^6\})$	28312416
6	$O(2; \{2^4, 3^{13}, 6^6\})$	226491552
6	$O(2; \{3^{16}, 6^6\})$	1811940192
6	$O(2; \{2^{17}, 3^2, 6^7\})$	220320
6	$O(2; \{2^{13}, 3^5, 6^7\})$	1770336
6	$O(2; \{2^9, 3^8, 6^7\})$	14154912
6	$O(2; \{2^5, 3^{11}, 6^7\})$	113247072
6	$O(2; \{2, 3^{14}, 6^7\})$	905968800
6	$O(2; \{2^{18}, 6^8\})$	111456
6	$O(2; \{2^{14}, 3^3, 6^8\})$	883872
6	$O(2; \{2^{10}, 3^6, 6^8\})$	7078752
6	$O(2; \{2^6, 3^9, 6^8\})$	56622240
6	$O(2; \{2^2, 3^{12}, 6^8\})$	452985696
6	$O(2; \{2^{15}, 3, 6^9\})$	443232
6	$O(2; \{2^{11}, 3^4, 6^9\})$	3538080
6	$O(2; \{2^7, 3^7, 6^9\})$	28312416
6	$O(2; \{2^3, 3^{10}, 6^9\})$	226491552
6	$O(2; \{2^{12}, 3^2, 6^{10}\})$	1770336
6	$O(2; \{2^8, 3^5, 6^{10}\})$	14154912
6	$O(2; \{2^4, 3^8, 6^{10}\})$	113247072
6	$O(2; \{3^{11}, 6^{10}\})$	905968800
6	$O(2; \{2^{13}, 6^{11}\})$	883872
6	$O(2; \{2^9, 3^3, 6^{11}\})$	7078752

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^5, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{10}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^7, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^8, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^5, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^3, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{3, 6^{18}\})$	226491552
6	$\mathcal{O}(1; \{2^{30}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{26}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{22}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^{31}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{27}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{23}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{19}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^{32}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{28}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{24}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{20}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{29}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{25}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{21}, 3^7, 6^3\})$	12312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{17}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{26}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{22}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{18}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^{27}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{23}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{19}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^{24}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{20}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{21}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{17}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{22}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{18}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^{19}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{15}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^9\})$	50331672

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{17}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^9, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{14}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^7, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^{12}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^9, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^7, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 6^{20}\})$	12582936
6	$\mathcal{O}(0; \{2^{34}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{30}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{26}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{35}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{31}, 3^5, 6\})$	22

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{27}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{23}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^{36}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{32}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{28}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{24}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{33}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{29}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{25}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{21}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{30}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{26}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{22}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{2^{31}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{27}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{23}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2^{28}, 3, 6^6\})$	42

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{24}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{25}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{21}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{26}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{22}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^{23}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{19}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{21}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{17}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{18}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^{12}\})$	1398102

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^7, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^{16}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{13}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^{11}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^8, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^6, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2, 6^{23}\})$	2796202
7	$\mathcal{O}(6; \{7^6\})$	92266020481866
7	$\mathcal{O}(3; \{7^{13}\})$	219511084226070
7	$\mathcal{O}(0; \{7^{20}\})$	522308348580426
8	$\mathcal{O}(6; \{2^3, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^7, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^4, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^2, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^{11}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^8, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^5, 4^4, 8^2\})$	1073741824

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^2, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{4, 8^{12}\})$	34359738368
8	$\mathcal{O}(1; \{2^{23}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{20}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{17}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{14}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{11}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^8, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^5, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^2, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{18}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{15}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{12}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^9, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^6, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^3, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{16}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{13}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{10}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^7, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^4, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{11}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^8, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^5, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^2, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^9, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^6, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^3, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^4, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^2, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^{27}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{24}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{21}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{18}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{15}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{12}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^9, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^6, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^3, 4^{16}, 8^2\})$	262144

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{22}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{19}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{16}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{13}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{10}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^7, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^4, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{20}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{17}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{14}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{11}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^8, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^5, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^2, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{15}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{12}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^9, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^6, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^3, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{13}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{10}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^7, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^4, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^8, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^5, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^2, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^6, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^3, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2, 4, 8^{16}\})$	2147483648
9	$\mathcal{O}(6; \{9^2\})$	1694577218886
9	$\mathcal{O}(5; \{3^3, 9^2\})$	167365651248
9	$\mathcal{O}(4; \{3^6, 9^2\})$	16529940864
9	$\mathcal{O}(4; \{3^2, 9^5\})$	139471376040
9	$\mathcal{O}(3; \{3^9, 9^2\})$	1632586752
9	$\mathcal{O}(3; \{3^5, 9^5\})$	13774950720
9	$\mathcal{O}(3; \{3, 9^8\})$	199908972324
9	$\mathcal{O}(2; \{3^{12}, 9^2\})$	161243136
9	$\mathcal{O}(2; \{3^8, 9^5\})$	1360488960

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(2; \{3^4, 9^8\})$	19744096032
9	$\mathcal{O}(2; \{9^{11}\})$	264220773498
9	$\mathcal{O}(1; \{3^{15}, 9^2\})$	15925248
9	$\mathcal{O}(1; \{3^{11}, 9^5\})$	134369280
9	$\mathcal{O}(1; \{3^7, 9^8\})$	1950034176
9	$\mathcal{O}(1; \{3^3, 9^{11}\})$	26095878864
9	$\mathcal{O}(0; \{3^{18}, 9^2\})$	1572864
9	$\mathcal{O}(0; \{3^{14}, 9^5\})$	13271040
9	$\mathcal{O}(0; \{3^{10}, 9^8\})$	192595968
9	$\mathcal{O}(0; \{3^6, 9^{11}\})$	2577370752
9	$\mathcal{O}(0; \{3^2, 9^{14}\})$	34832768904
10	$\mathcal{O}(5; \{2^2, 5^2\})$	40000000000
10	$\mathcal{O}(5; \{5, 10^2\})$	120000000000
10	$\mathcal{O}(4; \{2^6, 5^2\})$	400000000
10	$\mathcal{O}(4; \{2, 5^4, 10\})$	20400000000
10	$\mathcal{O}(4; \{2^4, 5, 10^2\})$	1200000000
10	$\mathcal{O}(4; \{2^2, 10^4\})$	5200000000
10	$\mathcal{O}(3; \{2^{10}, 5^2\})$	4000000
10	$\mathcal{O}(3; \{2^2, 5^7\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^8, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{5^6, 10^2\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5^3, 10^3\})$	820000000
10	$\mathcal{O}(3; \{2^6, 10^4\})$	52000000
10	$\mathcal{O}(3; \{2, 5^2, 10^5\})$	3276000000
10	$\mathcal{O}(2; \{2^{14}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^6, 5^7\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2, 5^9, 10\})$	2097160000
10	$\mathcal{O}(2; \{2^{12}, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{2^4, 5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2^{10}, 10^4\})$	520000
10	$\mathcal{O}(2; \{2^2, 5^5, 10^4\})$	524280000
10	$\mathcal{O}(2; \{2^5, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(2; \{5^4, 10^6\})$	2097160000
10	$\mathcal{O}(2; \{2^3, 5, 10^7\})$	131080000
10	$\mathcal{O}(2; \{2, 10^9\})$	524280000
10	$\mathcal{O}(1; \{2^{18}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^{10}, 5^7\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^{13}, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^5, 5^9, 10\})$	20971600

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^{16}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^8, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{5^{11}, 10^2\})$	1342177200
10	$\mathcal{O}(1; \{2^{11}, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^3, 5^8, 10^3\})$	83886000
10	$\mathcal{O}(1; \{2^{14}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^6, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{2^9, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{2, 5^7, 10^5\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^7, 5, 10^7\})$	1310800
10	$\mathcal{O}(1; \{2^2, 5^3, 10^8\})$	83886000
10	$\mathcal{O}(1; \{2^5, 10^9\})$	5242800
10	$\mathcal{O}(1; \{5^2, 10^{10}\})$	335544400
10	$\mathcal{O}(0; \{2^{22}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{14}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^6, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{17}, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^9, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2, 5^{14}, 10\})$	214748364
10	$\mathcal{O}(0; \{2^{20}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^{12}, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^{15}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^7, 5^8, 10^3\})$	838860
10	$\mathcal{O}(0; \{2^{18}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^{10}, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^{10}, 10^4\})$	53687092
10	$\mathcal{O}(0; \{2^{13}, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{5^9, 10^6\})$	214748364
10	$\mathcal{O}(0; \{2^{11}, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2^3, 5^6, 10^7\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5^3, 10^8\})$	838860
10	$\mathcal{O}(0; \{2^9, 10^9\})$	52428
10	$\mathcal{O}(0; \{2, 5^5, 10^9\})$	53687092
10	$\mathcal{O}(0; \{2^4, 5^2, 10^{10}\})$	3355444
10	$\mathcal{O}(0; \{2^2, 5, 10^{12}\})$	13421772
10	$\mathcal{O}(0; \{10^{14}\})$	53687092
11	$\mathcal{O}(4; \{11^4\})$	195066581710
12	$\mathcal{O}(4; \{3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2, 3, 4, 12\})$	1719926784

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(4; \{2^2, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^5, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2^3, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2, 3, 12^4\})$	238878720
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^4, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2, 4^4, 6^4\})$	995328

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^9, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^7, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^4, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^2, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^{10}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^4, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^5, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^2, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{6^6, 12^2\})$	3566592

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^5, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^2, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^5, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^3, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2, 6, 12^6\})$	27869184
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^2\})$	25344

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^8, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^5, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{2^3, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^2, 12\})$	6336

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2^8, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^5, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^2, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{2^6, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^3, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^{14}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{11}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^8, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^5, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^2, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^7, 4^2, 6, 12^2\})$	393984

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^9, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^6, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^3, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^6, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^4, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^9, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^6, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^3, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{3, 4^5, 6^2, 12^3\})$	405504

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^4, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^7, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^4, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^4, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^2, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^7, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^4, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^4, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^2, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^5, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 4^2, 6, 12^6\})$	774144

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^3, 12^8\})$	1585152
12	$\mathcal{O}(1; \{4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{3, 6, 12^8\})$	6303744
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^2\})$	1360

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^9, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^6, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^3, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^7, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2^4, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^8\})$	340

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{3^9, 4^3, 6^2, 12\})$	10928

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^6, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^3, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^7, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2^4, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^5, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^8, 12\})$	2732

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^{18}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{15}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^9, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^2, 12^2\})$	176

Continued on next page

Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^{13}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^7, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^4, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^5, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^2, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^5, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^3, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{4^2, 6^9, 12^2\})$	5456

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^{11}, 4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^{13}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^7, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2^4, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^8, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^5, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^2, 4^5, 6^4, 12^3\})$	5376

Continued on next page

Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^3, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{13}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^9, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^5, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^6, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^{11}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^7, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^8, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^5, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^2, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{2^8, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^2, 6^4, 12^4\})$	2736

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^6, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^3, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^5, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^2, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{2^8, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^6, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^9, 6, 12^6\})$	1344

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^6, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^3, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^6, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^4, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^6, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^4, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^4, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^4, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^2, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^2, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^2, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{4, 12^{11}\})$	1396736
13	$\mathcal{O}(0; \{13^{11}\})$	57154490052
14	$\mathcal{O}(3; \{2^2, 7^3\})$	225886080

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(3; \{7^2, 14^2\})$	1400493696
14	$\mathcal{O}(2; \{2^6, 7^3\})$	1152480
14	$\mathcal{O}(2; \{2^4, 7^2, 14^2\})$	7145376
14	$\mathcal{O}(2; \{2^2, 7, 14^4\})$	42641760
14	$\mathcal{O}(2; \{14^6\})$	256081056
14	$\mathcal{O}(1; \{2^{10}, 7^3\})$	5880
14	$\mathcal{O}(1; \{2^3, 7^6, 14\})$	7838040
14	$\mathcal{O}(1; \{2^8, 7^2, 14^2\})$	36456
14	$\mathcal{O}(1; \{2, 7^5, 14^3\})$	47029416
14	$\mathcal{O}(1; \{2^6, 7, 14^4\})$	217560
14	$\mathcal{O}(1; \{2^4, 14^6\})$	1306536
14	$\mathcal{O}(0; \{2^{14}, 7^3\})$	30
14	$\mathcal{O}(0; \{2^2, 7^{10}\})$	8638026
14	$\mathcal{O}(0; \{2^7, 7^6, 14\})$	39990
14	$\mathcal{O}(0; \{2^{12}, 7^2, 14^2\})$	186
14	$\mathcal{O}(0; \{7^9, 14^2\})$	51828150
14	$\mathcal{O}(0; \{2^5, 7^5, 14^3\})$	239946
14	$\mathcal{O}(0; \{2^{10}, 7, 14^4\})$	1110
14	$\mathcal{O}(0; \{2^3, 7^4, 14^5\})$	1439670
14	$\mathcal{O}(0; \{2^8, 14^6\})$	6666
14	$\mathcal{O}(0; \{2, 7^3, 14^7\})$	8638026
15	$\mathcal{O}(3; \{3^2, 5, 15\})$	91125000
15	$\mathcal{O}(2; \{3^4, 5^3\})$	3645000
15	$\mathcal{O}(2; \{3^5, 5, 15\})$	4455000
15	$\mathcal{O}(2; \{5^4, 15^2\})$	83025000
15	$\mathcal{O}(2; \{3, 5^2, 15^3\})$	61965000
15	$\mathcal{O}(2; \{3^2, 15^4\})$	57915000
15	$\mathcal{O}(1; \{3^7, 5^3\})$	113400
15	$\mathcal{O}(1; \{3^8, 5, 15\})$	153000
15	$\mathcal{O}(1; \{3^2, 5^6, 15\})$	1474200
15	$\mathcal{O}(1; \{3^3, 5^4, 15^2\})$	1845000
15	$\mathcal{O}(1; \{3^4, 5^2, 15^3\})$	1927800
15	$\mathcal{O}(1; \{3^5, 15^4\})$	1989000
15	$\mathcal{O}(1; \{5^3, 15^5\})$	29493000
15	$\mathcal{O}(1; \{3, 5, 15^6\})$	30958200
15	$\mathcal{O}(0; \{3^{10}, 5^3\})$	4104
15	$\mathcal{O}(0; \{3^4, 5^8\})$	78648
15	$\mathcal{O}(0; \{3^{11}, 5, 15\})$	5464
15	$\mathcal{O}(0; \{3^5, 5^6, 15\})$	72072
15	$\mathcal{O}(0; \{3^6, 5^4, 15^2\})$	70520
15	$\mathcal{O}(0; \{5^9, 15^2\})$	1677720
15	$\mathcal{O}(0; \{3^7, 5^2, 15^3\})$	69768
15	$\mathcal{O}(0; \{3, 5^7, 15^3\})$	1258296

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^8, 15^4\})$	71032
15	$\mathcal{O}(0; \{3^2, 5^5, 15^4\})$	1153416
15	$\mathcal{O}(0; \{3^3, 5^3, 15^5\})$	1127288
15	$\mathcal{O}(0; \{3^4, 5, 15^6\})$	1120392
15	$\mathcal{O}(0; \{5^2, 15^8\})$	18035576
15	$\mathcal{O}(0; \{3, 15^9\})$	17930376
16	$\mathcal{O}(3; \{4, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^4, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{2, 4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^2, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(2; \{8, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^8, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^5, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^2, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^6, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^3, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{4^4, 8^2, 16^2\})$	524288
16	$\mathcal{O}(1; \{2, 4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^4, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{2, 4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^2, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^{12}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^9, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^6, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^3, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{4^9, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^{10}, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^7, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^4, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2, 4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^5, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^2, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^3, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{4^2, 8^6, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^8, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^5, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^2, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^3, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{4^3, 8^3, 16^4\})$	262144
16	$\mathcal{O}(0; \{2, 8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^6, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^3, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{4^4, 16^6\})$	524288

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2, 4, 8^2, 16^6\})$	1048576
18	$\mathcal{O}(3; \{18^2\})$	204073344
18	$\mathcal{O}(2; \{2, 3, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^4, 18^2\})$	629856
18	$\mathcal{O}(2; \{3^3, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2, 3, 6, 18^2\})$	2519424
18	$\mathcal{O}(1; \{2^2, 3^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^3, 6, 9^4\})$	104976
18	$\mathcal{O}(1; \{3, 6^2, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^5, 3, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2, 3^4, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^3, 6^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{3, 6^3, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2, 9^5, 18\})$	1732104
18	$\mathcal{O}(1; \{2^8, 18^2\})$	1944
18	$\mathcal{O}(1; \{2^4, 3^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{3^6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^5, 3, 6, 18^2\})$	7776
18	$\mathcal{O}(1; \{2, 3^4, 6, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^3, 6^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{3, 6^4, 18^2\})$	62208
18	$\mathcal{O}(1; \{3^2, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2, 6, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{2^3, 3, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{3^2, 6, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2, 6^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2, 3, 18^5\})$	524880
18	$\mathcal{O}(0; \{2^6, 3^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^2, 3^5, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^7, 6, 9^4\})$	324
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^4\})$	1296
18	$\mathcal{O}(0; \{3^4, 6^2, 9^4\})$	10368
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^2, 6^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 9^7\})$	61236
18	$\mathcal{O}(0; \{6^2, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^9, 3, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^5, 3^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2, 3^7, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 9^2, 18\})$	144

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^7, 6^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{3^4, 6^3, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^2, 6^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^5, 9^5, 18\})$	5346
18	$\mathcal{O}(0; \{2, 3^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{6^3, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^{12}, 18^2\})$	6
18	$\mathcal{O}(0; \{2^8, 3^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^4, 3^6, 18^2\})$	384
18	$\mathcal{O}(0; \{3^9, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^9, 3, 6, 18^2\})$	24
18	$\mathcal{O}(0; \{2^5, 3^4, 6, 18^2\})$	192
18	$\mathcal{O}(0; \{2, 3^7, 6, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 18^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 18^2\})$	768
18	$\mathcal{O}(0; \{2^7, 6^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 18^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3, 6^4, 18^2\})$	192
18	$\mathcal{O}(0; \{3^4, 6^4, 18^2\})$	1536
18	$\mathcal{O}(0; \{2, 3^2, 6^5, 18^2\})$	768
18	$\mathcal{O}(0; \{2^2, 6^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{3^5, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^5, 6, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{6^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{3, 9^6, 18^2\})$	376164
18	$\mathcal{O}(0; \{2^7, 3, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^3, 3^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{3^5, 6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^5, 6^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{6^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^3, 9^4, 18^3\})$	30618
18	$\mathcal{O}(0; \{3, 6, 9^4, 18^3\})$	122472

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^3, 6, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{3, 6^2, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^5, 3, 18^5\})$	1620
18	$\mathcal{O}(0; \{2, 3^4, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^3, 6^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{3, 6^3, 18^5\})$	12960
18	$\mathcal{O}(0; \{2, 9^3, 18^5\})$	188082
18	$\mathcal{O}(0; \{3^2, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2, 6, 9, 18^6\})$	61236
19	$\mathcal{O}(0; \{19^8\})$	579997926
20	$\mathcal{O}(2; \{4^2, 10^2\})$	1280000
20	$\mathcal{O}(2; \{4, 5^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2, 10, 20^2\})$	3840000
20	$\mathcal{O}(1; \{2, 4^2, 5^3, 10\})$	41600
20	$\mathcal{O}(1; \{2^4, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{2, 4^4, 10^2\})$	12800
20	$\mathcal{O}(1; \{2^4, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{2, 4^3, 5^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^2, 4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{4, 10^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^2, 5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^5, 10, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^2, 4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{5^2, 10^2, 20^2\})$	656000
20	$\mathcal{O}(1; \{4, 5, 10, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^3, 20^4\})$	166400
20	$\mathcal{O}(1; \{4^2, 20^4\})$	665600
20	$\mathcal{O}(0; \{2^2, 4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{2^8, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^5, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2^2, 4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{4^2, 5^5, 10^2\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{4^4, 5^2, 10^3\})$	1632
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^5\})$	1640
20	$\mathcal{O}(0; \{2^8, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{2^5, 4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{2^2, 4^5, 5^2, 20\})$	384
20	$\mathcal{O}(0; \{4, 5^7, 20\})$	26216

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 10, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 5^4, 10, 20\})$	6560
20	$\mathcal{O}(0; \{2^6, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10^2, 20\})$	416
20	$\mathcal{O}(0; \{4^5, 5, 10^2, 20\})$	1664
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^3, 20\})$	6552
20	$\mathcal{O}(0; \{2^4, 4, 10^4, 20\})$	408
20	$\mathcal{O}(0; \{2, 4^3, 10^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^6, 5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{4^4, 5^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2^9, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{2^6, 4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2^3, 4^4, 10, 20^2\})$	384
20	$\mathcal{O}(0; \{4^6, 10, 20^2\})$	1536
20	$\mathcal{O}(0; \{2, 5^5, 10, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 5^2, 10^2, 20^2\})$	1640
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^2, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^2, 5, 10^4, 20^2\})$	6552
20	$\mathcal{O}(0; \{10^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2, 4, 5^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4, 5, 10, 20^3\})$	1632
20	$\mathcal{O}(0; \{2, 4^3, 5, 10, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^2, 4, 10^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^7, 20^4\})$	416
20	$\mathcal{O}(0; \{2^4, 4^2, 20^4\})$	1664
20	$\mathcal{O}(0; \{2, 4^4, 20^4\})$	6656
20	$\mathcal{O}(0; \{2^2, 5^2, 10, 20^4\})$	26208
20	$\mathcal{O}(0; \{5, 10^3, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^2, 4, 5, 20^5\})$	26240
20	$\mathcal{O}(0; \{4, 10^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{5^2, 20^6\})$	419456
21	$\mathcal{O}(2; \{3^2, 7^2\})$	2333772
21	$\mathcal{O}(1; \{3^5, 7^2\})$	26460
21	$\mathcal{O}(1; \{3, 7^4, 21\})$	979020
21	$\mathcal{O}(1; \{3^2, 7, 21^3\})$	820260
21	$\mathcal{O}(0; \{3^8, 7^2\})$	516
21	$\mathcal{O}(0; \{3^4, 7^4, 21\})$	11100
21	$\mathcal{O}(0; \{7^6, 21^2\})$	479892
21	$\mathcal{O}(0; \{3^5, 7, 21^3\})$	15996
21	$\mathcal{O}(0; \{3, 7^3, 21^4\})$	399900
21	$\mathcal{O}(0; \{3^2, 21^6\})$	573276
22	$\mathcal{O}(2; \{2^2, 11^2\})$	2342560

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
22	$\mathcal{O}(2; \{11, 22^2\})$	21083040
22	$\mathcal{O}(1; \{2^6, 11^2\})$	4840
22	$\mathcal{O}(1; \{2^4, 11, 22^2\})$	43560
22	$\mathcal{O}(1; \{2^2, 22^4\})$	440440
22	$\mathcal{O}(0; \{2^{10}, 11^2\})$	10
22	$\mathcal{O}(0; \{2^8, 11, 22^2\})$	90
22	$\mathcal{O}(0; \{2^6, 22^4\})$	910
24	$\mathcal{O}(2; \{2, 24^2\})$	2654208
24	$\mathcal{O}(1; \{3^4, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3^2, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{6, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^2, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{6, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^2, 3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{6^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{4, 8, 12^2, 24\})$	36864
24	$\mathcal{O}(1; \{2^5, 24^2\})$	4608
24	$\mathcal{O}(1; \{2, 3^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^2, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3, 6, 24^2\})$	13824
24	$\mathcal{O}(1; \{6^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{4, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{4, 6, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{3, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{3, 8, 24^3\})$	221184
24	$\mathcal{O}(0; \{2^4, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{3^7, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^5, 6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^6, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{4^4, 6^2, 8^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8^2\})$	96
24	$\mathcal{O}(0; \{3^2, 6^4, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 6^5, 8^2\})$	40
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^4\})$	256

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{3^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{2^2, 8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^5, 4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^6, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{4^5, 6, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 8, 24\})$	192
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 4, 6^4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{3^2, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^4, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{3^3, 6, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^6, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{3, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2^4, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{3^3, 6^2, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2, 3, 6^3, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2, 3, 4, 8^3, 12, 24\})$	512

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{3^3, 4, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 4^3, 8, 12^2, 24\})$	256
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2^2, 8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{2, 3^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{8, 12^5, 24\})$	2816
24	$\mathcal{O}(0; \{2^9, 24^2\})$	8
24	$\mathcal{O}(0; \{2^5, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 3^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^6, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{4^6, 24^2\})$	512
24	$\mathcal{O}(0; \{2^6, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{2^2, 3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{3, 4^4, 6, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 24^2\})$	88
24	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{3^3, 6^3, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 4^2, 6^3, 24^2\})$	160
24	$\mathcal{O}(0; \{2, 3, 6^4, 24^2\})$	168
24	$\mathcal{O}(0; \{2^4, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{3^2, 4^3, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2^4, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{3^3, 4, 6, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 4^3, 6, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^4, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{3^4, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3, 4^2, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3^2, 6, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 6^2, 12^2, 24^2\})$	352

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4, 12^3, 24^2\})$	640
24	$\mathcal{O}(0; \{8^2, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{6, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^4, 3, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{3^4, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^2, 4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{8^3, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{6, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 3^2, 4, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{6, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^2, 3, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{6^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{4, 12^2, 24^4\})$	11264
24	$\mathcal{O}(0; \{4, 8, 24^5\})$	20480
24	$\mathcal{O}(0; \{3, 24^6\})$	43008
25	$\mathcal{O}(0; \{5^3, 25^4\})$	416000
26	$\mathcal{O}(0; \{2, 13^5, 26\})$	229692
27	$\mathcal{O}(2; \{27^2\})$	9565938
27	$\mathcal{O}(1; \{3^3, 27^2\})$	104976
27	$\mathcal{O}(0; \{3^6, 27^2\})$	1152
27	$\mathcal{O}(0; \{3^2, 9^3, 27^2\})$	15552
28	$\mathcal{O}(1; \{2, 4^2, 7, 14\})$	9408
28	$\mathcal{O}(1; \{2^2, 7, 28^2\})$	47040
28	$\mathcal{O}(1; \{14^2, 28^2\})$	291648
28	$\mathcal{O}(0; \{4^2, 7^5\})$	2220
28	$\mathcal{O}(0; \{2^5, 4^2, 7, 14\})$	12
28	$\mathcal{O}(0; \{2^2, 4^4, 7, 14\})$	48
28	$\mathcal{O}(0; \{2^3, 4^2, 14^3\})$	60
28	$\mathcal{O}(0; \{4^4, 14^3\})$	240
28	$\mathcal{O}(0; \{2^3, 4, 7^3, 28\})$	372
28	$\mathcal{O}(0; \{4^3, 7^3, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4, 7^2, 14^2, 28\})$	2220
28	$\mathcal{O}(0; \{2^6, 7, 28^2\})$	60
28	$\mathcal{O}(0; \{2^3, 4^2, 7, 28^2\})$	240
28	$\mathcal{O}(0; \{4^4, 7, 28^2\})$	960
28	$\mathcal{O}(0; \{2^4, 14^2, 28^2\})$	372
28	$\mathcal{O}(0; \{2, 4^2, 14^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^2, 14, 28^4\})$	8880
28	$\mathcal{O}(0; \{28^6\})$	213312

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2, 3^2, 5, 10\})$	7200
30	$\mathcal{O}(1; \{2^2, 3, 15^2\})$	7200
30	$\mathcal{O}(1; \{6^2, 15^2\})$	21600
30	$\mathcal{O}(1; \{2^2, 3, 10, 30\})$	7200
30	$\mathcal{O}(1; \{6^2, 10, 30\})$	7200
30	$\mathcal{O}(1; \{5, 6, 15, 30\})$	21600
30	$\mathcal{O}(1; \{5^2, 30^2\})$	93600
30	$\mathcal{O}(1; \{3, 15, 30^2\})$	64800
30	$\mathcal{O}(0; \{2^2, 3^2, 5^4\})$	104
30	$\mathcal{O}(0; \{3, 5^4, 6^2\})$	104
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 10\})$	8
30	$\mathcal{O}(0; \{2, 3^5, 5, 10\})$	40
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 10\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 10\})$	40
30	$\mathcal{O}(0; \{2, 5, 6^4, 10\})$	24
30	$\mathcal{O}(0; \{3^2, 5^3, 10^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 10^3\})$	24
30	$\mathcal{O}(0; \{3^3, 6, 10^3\})$	72
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^3\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 5^2, 15\})$	72
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{3^2, 5^2, 6^2, 15\})$	120
30	$\mathcal{O}(0; \{2, 5^2, 6^3, 15\})$	72
30	$\mathcal{O}(0; \{3^3, 5, 10^2, 15\})$	312
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2^6, 3, 15^2\})$	8
30	$\mathcal{O}(0; \{2^2, 3^4, 15^2\})$	88
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 15^2\})$	40
30	$\mathcal{O}(0; \{2^4, 6^2, 15^2\})$	24
30	$\mathcal{O}(0; \{3^3, 6^2, 15^2\})$	168
30	$\mathcal{O}(0; \{2, 3, 6^3, 15^2\})$	88
30	$\mathcal{O}(0; \{2, 3, 5^2, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3^2, 10, 15^3\})$	520
30	$\mathcal{O}(0; \{2^2, 6, 10, 15^3\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 15^4\})$	1224
30	$\mathcal{O}(0; \{10^2, 15^4\})$	4920
30	$\mathcal{O}(0; \{2^3, 3, 5^3, 30\})$	104
30	$\mathcal{O}(0; \{3^2, 5^3, 6, 30\})$	312
30	$\mathcal{O}(0; \{2, 5^3, 6^2, 30\})$	104
30	$\mathcal{O}(0; \{2^6, 3, 10, 30\})$	8
30	$\mathcal{O}(0; \{2^2, 3^4, 10, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 10, 30\})$	24

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 6^2, 10, 30\})$	8
30	$\mathcal{O}(0; \{3^3, 6^2, 10, 30\})$	88
30	$\mathcal{O}(0; \{2, 3, 6^3, 10, 30\})$	40
30	$\mathcal{O}(0; \{2, 3, 5^2, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 5, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^4, 5, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{3^3, 5, 6, 15, 30\})$	264
30	$\mathcal{O}(0; \{2, 3, 5, 6^2, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 3^2, 10^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 6, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 5, 10, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{10^3, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{6, 15^4, 30\})$	4488
30	$\mathcal{O}(0; \{2^4, 5^2, 30^2\})$	104
30	$\mathcal{O}(0; \{3^3, 5^2, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 3, 5^2, 6, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 10^2, 30^2\})$	408
30	$\mathcal{O}(0; \{10^4, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^4, 3, 15, 30^2\})$	72
30	$\mathcal{O}(0; \{3^4, 15, 30^2\})$	504
30	$\mathcal{O}(0; \{2, 3^2, 6, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2^2, 6^2, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{6, 10, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{5, 15^3, 30^2\})$	8200
30	$\mathcal{O}(0; \{2, 3^2, 5, 30^3\})$	520
30	$\mathcal{O}(0; \{2^2, 5, 6, 30^3\})$	312
30	$\mathcal{O}(0; \{6, 10^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{5, 10, 15, 30^3\})$	4920
30	$\mathcal{O}(0; \{2^2, 3, 30^4\})$	520
30	$\mathcal{O}(0; \{6^2, 30^4\})$	1144
32	$\mathcal{O}(1; \{2, 8, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^5, 8, 32^2\})$	64
32	$\mathcal{O}(0; \{2^2, 4^2, 8, 32^2\})$	256
32	$\mathcal{O}(0; \{4, 8^3, 32^2\})$	2048
32	$\mathcal{O}(0; \{2^3, 16^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{4^2, 16^2, 32^2\})$	4096
32	$\mathcal{O}(0; \{2, 16, 32^4\})$	32768
33	$\mathcal{O}(1; \{3^2, 11, 33\})$	21780
33	$\mathcal{O}(0; \{3^5, 11, 33\})$	220
33	$\mathcal{O}(0; \{3^2, 33^4\})$	20020
35	$\mathcal{O}(0; \{5^2, 7^4\})$	744
35	$\mathcal{O}(0; \{5^4, 7, 35\})$	1224
36	$\mathcal{O}(1; \{2^2, 36^2\})$	15552

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9^2\})$	24
36	$\mathcal{O}(0; \{4^2, 6^2, 9^2\})$	48
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 12\})$	24
36	$\mathcal{O}(0; \{4^3, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{3^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{2, 6, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{3, 4^2, 9, 18^2\})$	72
36	$\mathcal{O}(0; \{2, 4, 9, 12, 18^2\})$	72
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^3, 4, 6, 9, 36\})$	24
36	$\mathcal{O}(0; \{4^3, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{3, 4, 6^2, 9, 36\})$	96
36	$\mathcal{O}(0; \{2^3, 3, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3^2, 6, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{2, 6^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2, 4, 9, 12^2, 36\})$	192
36	$\mathcal{O}(0; \{2, 4, 9^2, 18, 36\})$	324
36	$\mathcal{O}(0; \{3^2, 4, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2, 4, 6, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 3, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2^6, 36^2\})$	12
36	$\mathcal{O}(0; \{2^2, 3^3, 36^2\})$	96
36	$\mathcal{O}(0; \{2^3, 4^2, 36^2\})$	48
36	$\mathcal{O}(0; \{4^4, 36^2\})$	192
36	$\mathcal{O}(0; \{2^3, 3, 6, 36^2\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{3^2, 6^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 6^3, 36^2\})$	96
36	$\mathcal{O}(0; \{3^2, 4, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 4, 6, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 3, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 3, 9, 18, 36^2\})$	648
37	$\mathcal{O}(0; \{37^5\})$	1634220
38	$\mathcal{O}(0; \{2^2, 19^4\})$	5526
38	$\mathcal{O}(0; \{19^3, 38^2\})$	99450
39	$\mathcal{O}(0; \{13^3, 39^2\})$	38280
40	$\mathcal{O}(1; \{5, 8, 40\})$	25600
40	$\mathcal{O}(0; \{2, 5^3, 8^2\})$	48
40	$\mathcal{O}(0; \{2^2, 8^2, 20^2\})$	64
40	$\mathcal{O}(0; \{2^4, 5, 8, 40\})$	16
40	$\mathcal{O}(0; \{2, 4^2, 5, 8, 40\})$	64

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2^2, 8, 10^2, 40\})$	48
40	$\mathcal{O}(0; \{8, 10, 20^2, 40\})$	832
40	$\mathcal{O}(0; \{2^2, 5, 10, 40^2\})$	208
40	$\mathcal{O}(0; \{10^3, 40^2\})$	816
40	$\mathcal{O}(0; \{2^2, 4, 20, 40^2\})$	192
40	$\mathcal{O}(0; \{8^2, 20, 40^2\})$	1536
40	$\mathcal{O}(0; \{5, 20^2, 40^2\})$	3264
40	$\mathcal{O}(0; \{4, 40^4\})$	6656
42	$\mathcal{O}(0; \{3^4, 14^2\})$	36
42	$\mathcal{O}(0; \{2, 3^2, 6, 14^2\})$	12
42	$\mathcal{O}(0; \{2^2, 6^2, 14^2\})$	12
42	$\mathcal{O}(0; \{6, 7, 14, 21^2\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 21^3\})$	180
42	$\mathcal{O}(0; \{6^2, 21^3\})$	300
42	$\mathcal{O}(0; \{2, 3^2, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{2^2, 6, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{6, 7, 14^2, 42\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 14, 21, 42\})$	60
42	$\mathcal{O}(0; \{6^2, 14, 21, 42\})$	180
42	$\mathcal{O}(0; \{7^3, 42^2\})$	2220
42	$\mathcal{O}(0; \{3, 21^2, 42^2\})$	1860
42	$\mathcal{O}(0; \{3, 14, 42^3\})$	1116
44	$\mathcal{O}(0; \{2^2, 4^2, 22^2\})$	20
44	$\mathcal{O}(0; \{2^3, 22, 44^2\})$	180
44	$\mathcal{O}(0; \{4^2, 22, 44^2\})$	720
44	$\mathcal{O}(0; \{2, 44^4\})$	7280
45	$\mathcal{O}(0; \{5^2, 9^2, 45\})$	216
45	$\mathcal{O}(0; \{3, 9^2, 15, 45\})$	288
45	$\mathcal{O}(0; \{5^3, 45^2\})$	1224
45	$\mathcal{O}(0; \{3, 5, 15, 45^2\})$	1248
48	$\mathcal{O}(0; \{2^2, 3^2, 16^2\})$	16
48	$\mathcal{O}(0; \{3, 6^2, 16^2\})$	16
48	$\mathcal{O}(0; \{3, 4, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{2, 12^2, 16^2\})$	64
48	$\mathcal{O}(0; \{3, 4, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{2, 8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{3^2, 16, 24, 48\})$	192
48	$\mathcal{O}(0; \{2, 6, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{2^3, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{4^3, 48^2\})$	128
48	$\mathcal{O}(0; \{3, 4, 6, 48^2\})$	96
48	$\mathcal{O}(0; \{2, 8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{3^2, 12, 48^2\})$	160

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2, 6, 12, 48^2\})$	96
50	$\mathcal{O}(0; \{2, 5, 10, 25^2\})$	320
53	$\mathcal{O}(2; \emptyset)$	7890480
54	$\mathcal{O}(1; \{54^2\})$	52488
54	$\mathcal{O}(0; \{2^4, 54^2\})$	18
54	$\mathcal{O}(0; \{3^3, 54^2\})$	144
54	$\mathcal{O}(0; \{2, 3, 6, 54^2\})$	72
55	$\mathcal{O}(0; \{55^4\})$	47320
56	$\mathcal{O}(0; \{2^2, 14, 56^2\})$	120
56	$\mathcal{O}(0; \{28^2, 56^2\})$	2976
57	$\mathcal{O}(0; \{19^2, 57^2\})$	11052
60	$\mathcal{O}(0; \{15^2, 20^2\})$	208
60	$\mathcal{O}(0; \{12, 15, 20, 30\})$	48
60	$\mathcal{O}(0; \{12^2, 30^2\})$	48
60	$\mathcal{O}(0; \{12, 15^2, 60\})$	144
60	$\mathcal{O}(0; \{2, 3^2, 20, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 6, 20, 60\})$	16
60	$\mathcal{O}(0; \{12^2, 20, 60\})$	64
60	$\mathcal{O}(0; \{10, 15, 20, 60\})$	208
60	$\mathcal{O}(0; \{10, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 5, 60^2\})$	48
60	$\mathcal{O}(0; \{10^2, 60^2\})$	208
60	$\mathcal{O}(0; \{6, 30, 60^2\})$	144
63	$\mathcal{O}(0; \{9^2, 21^2\})$	144
63	$\mathcal{O}(0; \{7, 9, 21, 63\})$	360
63	$\mathcal{O}(0; \{7^2, 63^2\})$	1116
64	$\mathcal{O}(0; \{4, 16, 64^2\})$	512
65	$\mathcal{O}(0; \{5, 13^2, 65\})$	528
66	$\mathcal{O}(0; \{2^2, 3, 33^2\})$	20
66	$\mathcal{O}(0; \{6^2, 33^2\})$	60
66	$\mathcal{O}(0; \{2^2, 3, 22, 66\})$	20
66	$\mathcal{O}(0; \{6^2, 22, 66\})$	20
66	$\mathcal{O}(0; \{3, 33, 66^2\})$	540
70	$\mathcal{O}(0; \{7^2, 10^2\})$	24
70	$\mathcal{O}(0; \{5^2, 14, 70\})$	72
72	$\mathcal{O}(0; \{3, 8, 18, 72\})$	48
72	$\mathcal{O}(0; \{2^3, 72^2\})$	24
72	$\mathcal{O}(0; \{4^2, 72^2\})$	96
72	$\mathcal{O}(0; \{3, 6, 72^2\})$	96
74	$\mathcal{O}(0; \{2, 37^2, 74\})$	1260
75	$\mathcal{O}(0; \{3, 5, 25, 75\})$	160
76	$\mathcal{O}(0; \{4^2, 19^2\})$	36
80	$\mathcal{O}(0; \{2, 10, 16, 80\})$	32

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Table 4 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
81	$\mathcal{O}(0; \{3^2, 81^2\})$	216
84	$\mathcal{O}(0; \{3^2, 28^2\})$	24
84	$\mathcal{O}(0; \{3, 4, 7, 84\})$	24
84	$\mathcal{O}(0; \{2, 7, 12, 84\})$	24
90	$\mathcal{O}(0; \{2, 5, 9, 90\})$	24
106	$\mathcal{O}(1; \{2^2\})$	11232
108	$\mathcal{O}(0; \{2^2, 108^2\})$	36
109	$\mathcal{O}(0; \{109^3\})$	11556
110	$\mathcal{O}(0; \{2^2, 55^2\})$	40
110	$\mathcal{O}(0; \{55, 110^2\})$	1080
111	$\mathcal{O}(0; \{37, 111^2\})$	2520
112	$\mathcal{O}(0; \{28, 112^2\})$	480
114	$\mathcal{O}(0; \{19, 114^2\})$	612
117	$\mathcal{O}(0; \{13, 117^2\})$	792
120	$\mathcal{O}(0; \{15, 24, 120\})$	32
120	$\mathcal{O}(0; \{12, 40, 120\})$	64
120	$\mathcal{O}(0; \{10, 120^2\})$	96
126	$\mathcal{O}(0; \{7, 126^2\})$	180
130	$\mathcal{O}(0; \{10, 13, 130\})$	48
132	$\mathcal{O}(0; \{6, 44, 132\})$	40
133	$\mathcal{O}(0; \{7, 19, 133\})$	108
135	$\mathcal{O}(0; \{5, 135^2\})$	216
140	$\mathcal{O}(0; \{5, 28, 140\})$	48
144	$\mathcal{O}(0; \{4, 144^2\})$	96
148	$\mathcal{O}(0; \{4, 37, 148\})$	72
162	$\mathcal{O}(0; \{3, 162^2\})$	108
165	$\mathcal{O}(0; \{3, 55, 165\})$	80
216	$\mathcal{O}(0; \{2, 216^2\})$	72
218	$\mathcal{O}(0; \{2, 109, 218\})$	108

Table 5: 55-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(55; \emptyset)$	1
2	$\mathcal{O}(28; \emptyset)$	72057594037927935
2	$\mathcal{O}(27; \{2^4\})$	18014398509481984
2	$\mathcal{O}(26; \{2^8\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{12}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{16}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{20}\})$	70368744177664

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(22; \{2^{24}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{28}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{32}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{36}\})$	274877906944
2	$\mathcal{O}(18; \{2^{40}\})$	68719476736
2	$\mathcal{O}(17; \{2^{44}\})$	17179869184
2	$\mathcal{O}(16; \{2^{48}\})$	4294967296
2	$\mathcal{O}(15; \{2^{52}\})$	1073741824
2	$\mathcal{O}(14; \{2^{56}\})$	268435456
2	$\mathcal{O}(13; \{2^{60}\})$	67108864
2	$\mathcal{O}(12; \{2^{64}\})$	16777216
2	$\mathcal{O}(11; \{2^{68}\})$	4194304
2	$\mathcal{O}(10; \{2^{72}\})$	1048576
2	$\mathcal{O}(9; \{2^{76}\})$	262144
2	$\mathcal{O}(8; \{2^{80}\})$	65536
2	$\mathcal{O}(7; \{2^{84}\})$	16384
2	$\mathcal{O}(6; \{2^{88}\})$	4096
2	$\mathcal{O}(5; \{2^{92}\})$	1024
2	$\mathcal{O}(4; \{2^{96}\})$	256
2	$\mathcal{O}(3; \{2^{100}\})$	64
2	$\mathcal{O}(2; \{2^{104}\})$	16
2	$\mathcal{O}(1; \{2^{108}\})$	4
2	$\mathcal{O}(0; \{2^{112}\})$	1
3	$\mathcal{O}(19; \emptyset)$	1350851717672992088
3	$\mathcal{O}(18; \{3^3\})$	300189270593998242
3	$\mathcal{O}(17; \{3^6\})$	366897997392664518
3	$\mathcal{O}(16; \{3^9\})$	315013432104812970
3	$\mathcal{O}(15; \{3^{12}\})$	281247286441290534
3	$\mathcal{O}(14; \{3^{15}\})$	249860327193084042
3	$\mathcal{O}(13; \{3^{18}\})$	222113319811044678
3	$\mathcal{O}(12; \{3^{21}\})$	197432367477043050
3	$\mathcal{O}(11; \{3^{24}\})$	175495626043729254
3	$\mathcal{O}(10; \{3^{27}\})$	155996091118164042
3	$\mathcal{O}(9; \{3^{30}\})$	138663194429557638
3	$\mathcal{O}(8; \{3^{33}\})$	123256172567993130
3	$\mathcal{O}(7; \{3^{36}\})$	109561042311358374
3	$\mathcal{O}(6; \{3^{39}\})$	97387593162463242
3	$\mathcal{O}(5; \{3^{42}\})$	86566749478099398
3	$\mathcal{O}(4; \{3^{45}\})$	76948221758271210
3	$\mathcal{O}(3; \{3^{48}\})$	68398419340689894
3	$\mathcal{O}(2; \{3^{51}\})$	60798594969501642
3	$\mathcal{O}(1; \{3^{54}\})$	54043195528445958
3	$\mathcal{O}(0; \{3^{57}\})$	48038396025285290

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(14; \{2^2\})$	72057593769492480
4	$\mathcal{O}(13; \{2^6\})$	4503599560261632
4	$\mathcal{O}(13; \{2^3, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{4^4\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{10}\})$	281474959933440
4	$\mathcal{O}(12; \{2^7, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^4, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2, 4^6\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{14}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{11}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^8, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^5, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^2, 4^8\})$	2251799813685248
4	$\mathcal{O}(10; \{2^{18}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{15}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{12}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^9, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^6, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^3, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{4^{12}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{22}\})$	68719214592
4	$\mathcal{O}(9; \{2^{19}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{16}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{13}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{10}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^7, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^4, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2, 4^{14}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{26}\})$	4294901760
4	$\mathcal{O}(8; \{2^{23}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{20}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{17}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{14}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{11}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^8, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^5, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^2, 4^{16}\})$	140737488355328
4	$\mathcal{O}(7; \{2^{30}\})$	268419072
4	$\mathcal{O}(7; \{2^{27}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{24}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{21}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{18}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{15}, 4^{10}\})$	137438953472

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^{12}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^9, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^6, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^3, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{4^{20}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{34}\})$	16773120
4	$\mathcal{O}(6; \{2^{31}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{28}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{25}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{22}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{19}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{16}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{13}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{10}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^7, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^4, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2, 4^{22}\})$	35184372088832
4	$\mathcal{O}(5; \{2^{38}\})$	1047552
4	$\mathcal{O}(5; \{2^{35}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{32}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{29}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{26}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{23}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{20}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{17}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{14}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{11}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^8, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^5, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^2, 4^{24}\})$	8796093022208
4	$\mathcal{O}(4; \{2^{42}\})$	65280
4	$\mathcal{O}(4; \{2^{39}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{36}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{33}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{30}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{27}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{24}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{21}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{18}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{15}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{12}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^9, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^6, 4^{24}\})$	549755813888

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^3, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{4^{28}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{46}\})$	4032
4	$\mathcal{O}(3; \{2^{43}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{40}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{37}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{34}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{31}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{28}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{25}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{22}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{19}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{16}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{13}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{10}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^7, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^4, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2, 4^{30}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{50}\})$	240
4	$\mathcal{O}(2; \{2^{47}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{44}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{41}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{38}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{35}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{32}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{29}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{26}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{23}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{20}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{17}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{14}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{11}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^8, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^5, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^2, 4^{32}\})$	549755813888
4	$\mathcal{O}(1; \{2^{54}\})$	12
4	$\mathcal{O}(1; \{2^{51}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{48}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{45}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{42}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{39}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{36}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{33}, 4^{14}\})$	131072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{30}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{27}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{24}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{21}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{18}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{15}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{12}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^9, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^6, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^3, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{4^{36}\})$	549755813888
4	$\mathcal{O}(0; \{2^{55}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{52}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{49}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{46}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{43}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{40}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{37}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{34}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{31}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{28}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{25}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{22}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{19}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{16}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{13}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{10}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^7, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^4, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2, 4^{38}\})$	137438953472
5	$\mathcal{O}(11; \{5^2\})$	9536743164062500
5	$\mathcal{O}(9; \{5^7\})$	12496948242187500
5	$\mathcal{O}(7; \{5^{12}\})$	20480004882812500
5	$\mathcal{O}(5; \{5^{17}\})$	33554431992187500
5	$\mathcal{O}(3; \{5^{22}\})$	54975581388812500
5	$\mathcal{O}(1; \{5^{27}\})$	90071992547409900
6	$\mathcal{O}(10; \emptyset)$	3656154952230000
6	$\mathcal{O}(9; \{2^4\})$	101559956406272
6	$\mathcal{O}(9; \{3^3\})$	203119138495854
6	$\mathcal{O}(9; \{2, 3, 6\})$	203119913336832
6	$\mathcal{O}(8; \{2^8\})$	2821109841920
6	$\mathcal{O}(8; \{2^4, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{3^6\})$	62063470936170

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{2^5, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2, 3^4, 6\})$	28211099074560
6	$\mathcal{O}(8; \{2^2, 3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{2^3, 6^3\})$	5642219814912
6	$\mathcal{O}(8; \{3, 6^4\})$	28211099074560
6	$\mathcal{O}(7; \{2^{12}\})$	78364147712
6	$\mathcal{O}(7; \{2^8, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^4, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{3^9\})$	13321094791590
6	$\mathcal{O}(7; \{2^9, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^5, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2, 3^7, 6\})$	6739318112256
6	$\mathcal{O}(7; \{2^6, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^2, 3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{2^7, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2^3, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2^4, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{3^4, 6^4\})$	6739318112256
6	$\mathcal{O}(7; \{2, 3^2, 6^5\})$	3291294892032
6	$\mathcal{O}(7; \{2^2, 6^6\})$	1724011610112
6	$\mathcal{O}(6; \{2^{16}\})$	2176778240
6	$\mathcal{O}(6; \{2^{12}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^8, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^4, 3^9\})$	370052997120
6	$\mathcal{O}(6; \{3^{12}\})$	2972758722570
6	$\mathcal{O}(6; \{2^{13}, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^9, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^5, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2, 3^{10}, 6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{10}, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^6, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{2^{11}, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^7, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^3, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2^8, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^4, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{3^7, 6^4\})$	1484565553152
6	$\mathcal{O}(6; \{2^5, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2, 3^5, 6^5\})$	744459558912
6	$\mathcal{O}(6; \{2^6, 6^6\})$	47889211392
6	$\mathcal{O}(6; \{2^2, 3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{2^3, 3, 6^7\})$	187203280896

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{3^2, 6^8\})$	744459558912
6	$\mathcal{O}(6; \{2, 6^9\})$	370052997120
6	$\mathcal{O}(5; \{2^{20}\})$	60465152
6	$\mathcal{O}(5; \{2^{16}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{12}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^8, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{3^{15}\})$	659766641094
6	$\mathcal{O}(5; \{2^{17}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{13}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^9, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^5, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^{13}, 6\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^{10}, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^6, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{2^{15}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^{11}, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^7, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2^{12}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^8, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{3^{10}, 6^4\})$	330266253312
6	$\mathcal{O}(5; \{2^9, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^5, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^8, 6^5\})$	165072660480
6	$\mathcal{O}(5; \{2^{10}, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^6, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{2^7, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2^4, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{3^5, 6^8\})$	165072660480
6	$\mathcal{O}(5; \{2^5, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{2, 3^3, 6^9\})$	82596796416
6	$\mathcal{O}(5; \{2^2, 3, 6^{10}\})$	41237932032
6	$\mathcal{O}(5; \{6^{12}\})$	82596796416
6	$\mathcal{O}(4; \{2^{24}\})$	1679360
6	$\mathcal{O}(4; \{2^{20}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{16}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{12}, 3^9\})$	285534720

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^8, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{3^{18}\})$	146194892010
6	$\mathcal{O}(4; \{2^{21}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{17}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{13}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^9, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^{16}, 6\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{14}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^{10}, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{2^{19}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{15}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^{11}, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2^{16}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{12}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^8, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{3^{13}, 6^4\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^9, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^5, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^{11}, 6^5\})$	36692891136
6	$\mathcal{O}(4; \{2^{14}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^6, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{2^{11}, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^7, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2^8, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{3^8, 6^8\})$	36692891136
6	$\mathcal{O}(4; \{2^9, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^5, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^6, 6^9\})$	18344765952
6	$\mathcal{O}(4; \{2^6, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^4, 6^{10}\})$	9174062592

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^3, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 6^{12}\})$	2294355456
6	$\mathcal{O}(4; \{3^3, 6^{12}\})$	18344765952
6	$\mathcal{O}(4; \{2, 3, 6^{13}\})$	9174062592
6	$\mathcal{O}(3; \{2^{28}\})$	46592
6	$\mathcal{O}(3; \{2^{24}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{20}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{16}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{12}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{3^{21}\})$	32105269350
6	$\mathcal{O}(3; \{2^{25}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{21}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{17}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{13}, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^{19}, 6\})$	16307485056
6	$\mathcal{O}(3; \{2^{22}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{18}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{14}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{2^{23}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{19}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{15}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^{11}, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2^{20}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{16}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{12}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{3^{16}, 6^4\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^9, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^{14}, 6^5\})$	8153695872
6	$\mathcal{O}(3; \{2^{18}, 6^6\})$	1026432

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{2^{15}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^7, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^7\})$	2038400640
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{3^{11}, 6^8\})$	8153695872
6	$\mathcal{O}(3; \{2^{13}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^9, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2, 3^9, 6^9\})$	4076894592
6	$\mathcal{O}(3; \{2^{10}, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{2^7, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^5, 6^{11}\})$	1019246976
6	$\mathcal{O}(3; \{2^8, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{3^6, 6^{12}\})$	4076894592
6	$\mathcal{O}(3; \{2^5, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{2, 3^4, 6^{13}\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 6^{15}\})$	509576832
6	$\mathcal{O}(3; \{3, 6^{16}\})$	2038400640
6	$\mathcal{O}(2; \{2^{32}\})$	1280
6	$\mathcal{O}(2; \{2^{28}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{24}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{20}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{16}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^8, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{3^{24}\})$	6794773290
6	$\mathcal{O}(2; \{2^{29}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{25}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{21}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{17}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{13}, 3^{13}, 6\})$	7078752

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^9, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^5, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2, 3^{22}, 6\})$	3623877792
6	$\mathcal{O}(2; \{2^{26}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{22}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{18}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{14}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{2^{27}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{23}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{19}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{15}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^{11}, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2^{24}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{20}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{16}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{12}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{3^{19}, 6^4\})$	3623877792
6	$\mathcal{O}(2; \{2^{21}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{17}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^{13}, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^9, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2, 3^{17}, 6^5\})$	1811940192
6	$\mathcal{O}(2; \{2^{22}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{18}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{14}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^{10}, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^{15}, 6^6\})$	905968800
6	$\mathcal{O}(2; \{2^{19}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{15}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^{11}, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^7, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{12}, 3^5, 6^8\})$	3538080

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{3^{14}, 6^8\})$	1811940192
6	$\mathcal{O}(2; \{2^{17}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^{13}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^9, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2, 3^{12}, 6^9\})$	905968800
6	$\mathcal{O}(2; \{2^{14}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^{10}, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^7, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2^{12}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^8, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{3^9, 6^{12}\})$	905968800
6	$\mathcal{O}(2; \{2^9, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^5, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2, 3^7, 6^{13}\})$	452985696
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{2^7, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{3^4, 6^{16}\})$	452985696
6	$\mathcal{O}(2; \{2, 3^2, 6^{17}\})$	226491552
6	$\mathcal{O}(2; \{2^2, 6^{18}\})$	113247072
6	$\mathcal{O}(1; \{2^{36}\})$	32
6	$\mathcal{O}(1; \{2^{32}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{28}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{24}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{20}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{3^{27}\})$	1207959534
6	$\mathcal{O}(1; \{2^{33}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{29}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{25}, 3^7, 6\})$	3096

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{21}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2, 3^{25}, 6\})$	805306392
6	$\mathcal{O}(1; \{2^{30}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{26}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{22}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{2^{31}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{27}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{23}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{19}, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^{15}, 6^3\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2^{28}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^{24}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{20}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^{10}, 6^4\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{3^{22}, 6^4\})$	805306392
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{20}, 6^5\})$	402653160
6	$\mathcal{O}(1; \{2^{26}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{22}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{18}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{15}, 6^6\})$	25165800

Continued on next page

Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^2, 3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{2^{23}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{19}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{3^{17}, 6^8\})$	402653160
6	$\mathcal{O}(1; \{2^{21}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{17}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{15}, 6^9\})$	201326616
6	$\mathcal{O}(1; \{2^{18}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{13}, 6^{10}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2^{16}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{3^{12}, 6^{12}\})$	201326616
6	$\mathcal{O}(1; \{2^{13}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^9, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^{10}, 6^{13}\})$	100663272
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{2^{11}, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{15}\})$	25165800

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{3^7, 6^{16}\})$	100663272
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2, 3^5, 6^{17}\})$	50331672
6	$\mathcal{O}(1; \{2^6, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(1; \{3^2, 6^{20}\})$	50331672
6	$\mathcal{O}(1; \{2, 6^{21}\})$	25165800
6	$\mathcal{O}(0; \{2^{36}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{32}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{28}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{24}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{24}\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{27}\})$	44739242
6	$\mathcal{O}(0; \{2^{37}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{33}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{29}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{25}, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^{13}, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2^9, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{25}, 6\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{28}, 6\})$	178956970
6	$\mathcal{O}(0; \{2^{34}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{30}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{26}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{23}, 6^2\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{26}, 6^2\})$	89478486
6	$\mathcal{O}(0; \{2^{35}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{31}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{27}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{23}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^{12}, 6^3\})$	10922

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{15}, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{21}, 6^3\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{24}, 6^3\})$	44739242
6	$\mathcal{O}(0; \{2^{32}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{28}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^{24}, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^{13}, 6^4\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{16}, 6^4\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{19}, 6^4\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{22}, 6^4\})$	22369622
6	$\mathcal{O}(0; \{3^{25}, 6^4\})$	178956970
6	$\mathcal{O}(0; \{2^{29}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^{25}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{21}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^{11}, 6^5\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{23}, 6^5\})$	89478486
6	$\mathcal{O}(0; \{2^{30}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{26}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{22}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{2^{27}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{23}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{19}, 6^7\})$	22369622
6	$\mathcal{O}(0; \{2^{24}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{17}, 6^8\})$	11184810
6	$\mathcal{O}(0; \{3^{20}, 6^8\})$	89478486

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{25}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{21}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{18}, 6^9\})$	44739242
6	$\mathcal{O}(0; \{2^{22}, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{13}, 6^{10}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^8, 6^{11}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2^{20}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^6, 6^{12}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{3^{15}, 6^{12}\})$	44739242
6	$\mathcal{O}(0; \{2^{17}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{13}, 6^{13}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{2^{15}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^7, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2^{12}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{3^{10}, 6^{16}\})$	22369622
6	$\mathcal{O}(0; \{2^9, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^5, 6^{17}\})$	1398102

Continued on next page

Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2, 3^8, 6^{17}\})$	11184810
6	$\mathcal{O}(0; \{2^{10}, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{2^7, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{3^5, 6^{20}\})$	11184810
6	$\mathcal{O}(0; \{2^5, 6^{21}\})$	699050
6	$\mathcal{O}(0; \{2, 3^3, 6^{21}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3, 6^{22}\})$	2796202
6	$\mathcal{O}(0; \{6^{24}\})$	5592406
7	$\mathcal{O}(7; \{7^4\})$	126149491549914
7	$\mathcal{O}(4; \{7^{11}\})$	298778970948150
7	$\mathcal{O}(1; \{7^{18}\})$	710919696678954
8	$\mathcal{O}(7; \{4^2\})$	8795556151296
8	$\mathcal{O}(6; \{2^4, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^2, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^8, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^5, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^2, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2^6, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^3, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^4, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(4; \{2^{12}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^9, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^6, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^3, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{10}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^7, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^4, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^8, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^5, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^2, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2^3, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2, 8^8\})$	274877906944

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{16}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{13}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{10}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^7, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^4, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{14}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{11}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^8, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^5, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^2, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2^{12}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^9, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^6, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^3, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^7, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^4, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^5, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^2, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{4, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^{20}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{17}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{14}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{11}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^8, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^5, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^2, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2^{18}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{15}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{12}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^9, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^6, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^3, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{16}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{13}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{10}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^7, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^4, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{11}, 4, 8^6\})$	8388608

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^8, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^5, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^2, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^9, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^6, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^3, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^4, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^2, 8^{12}\})$	17179869184
8	$\mathcal{O}(1; \{2^{24}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{21}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{18}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{15}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{12}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^9, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^6, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^3, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{22}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{19}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{16}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{13}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{10}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^7, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^4, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{20}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{17}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{14}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{11}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^8, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^5, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^2, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2^{15}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{12}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^9, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^6, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^3, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{13}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{10}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^7, 4^4, 8^8\})$	16777216

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^4, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^8, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^5, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^2, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2^6, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^3, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(0; \{2^{26}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{23}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{20}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{17}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{14}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{11}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^8, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^5, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^2, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2^{24}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{21}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{18}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{15}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{12}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^9, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^6, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^3, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{19}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{16}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{13}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{10}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^7, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^4, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{17}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{14}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{11}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^8, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^5, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^2, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2^{12}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^9, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^6, 4^5, 8^{10}\})$	8388608

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^3, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{10}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^7, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^4, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^5, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^2, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2^3, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{4^2, 8^{16}\})$	4294967296
9	$\mathcal{O}(7; \emptyset)$	22876787671992
9	$\mathcal{O}(6; \{3^3\})$	564858010080
9	$\mathcal{O}(5; \{3^6\})$	76707957744
9	$\mathcal{O}(5; \{3^2, 9^3\})$	251048476872
9	$\mathcal{O}(4; \{3^9\})$	7316827200
9	$\mathcal{O}(4; \{3^5, 9^3\})$	24794911296
9	$\mathcal{O}(4; \{3, 9^6\})$	460255540932
9	$\mathcal{O}(3; \{3^{12}\})$	724952592
9	$\mathcal{O}(3; \{3^8, 9^3\})$	2448880128
9	$\mathcal{O}(3; \{3^4, 9^6\})$	45457337376
9	$\mathcal{O}(3; \{9^9\})$	592753348170
9	$\mathcal{O}(2; \{3^{15}\})$	70774560
9	$\mathcal{O}(2; \{3^{11}, 9^3\})$	241864704
9	$\mathcal{O}(2; \{3^7, 9^6\})$	4489613568
9	$\mathcal{O}(2; \{3^3, 9^9\})$	58543540560
9	$\mathcal{O}(1; \{3^{18}\})$	6291504
9	$\mathcal{O}(1; \{3^{14}, 9^3\})$	23887872
9	$\mathcal{O}(1; \{3^{10}, 9^6\})$	443418624
9	$\mathcal{O}(1; \{3^6, 9^9\})$	5782078080
9	$\mathcal{O}(1; \{3^2, 9^{12}\})$	78402427848
9	$\mathcal{O}(0; \{3^{17}, 9^3\})$	2359296
9	$\mathcal{O}(0; \{3^{13}, 9^6\})$	43794432
9	$\mathcal{O}(0; \{3^9, 9^9\})$	571069440
9	$\mathcal{O}(0; \{3^5, 9^{12}\})$	7743449664
9	$\mathcal{O}(0; \{3, 9^{15}\})$	104479174836
10	$\mathcal{O}(5; \{2^2, 10^2\})$	40000000000
10	$\mathcal{O}(4; \{5^6\})$	81679687500
10	$\mathcal{O}(4; \{2^3, 5^3, 10\})$	5200000000
10	$\mathcal{O}(4; \{2^6, 10^2\})$	400000000
10	$\mathcal{O}(4; \{2, 5^2, 10^3\})$	20400000000
10	$\mathcal{O}(3; \{2^4, 5^6\})$	820000000
10	$\mathcal{O}(3; \{2^7, 5^3, 10\})$	52000000
10	$\mathcal{O}(3; \{2^{10}, 10^2\})$	4000000

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^2, 5^5, 10^2\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 5^2, 10^3\})$	204000000
10	$\mathcal{O}(3; \{5^4, 10^4\})$	13108000000
10	$\mathcal{O}(3; \{2^3, 5, 10^5\})$	820000000
10	$\mathcal{O}(3; \{2, 10^7\})$	3276000000
10	$\mathcal{O}(2; \{2^8, 5^6\})$	8200000
10	$\mathcal{O}(2; \{5^{11}\})$	7864312500
10	$\mathcal{O}(2; \{2^{11}, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2^3, 5^8, 10\})$	524280000
10	$\mathcal{O}(2; \{2^{14}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^6, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{2^9, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{2, 5^7, 10^3\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^7, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{2^2, 5^3, 10^6\})$	524280000
10	$\mathcal{O}(2; \{2^5, 10^7\})$	32760000
10	$\mathcal{O}(2; \{5^2, 10^8\})$	2097160000
10	$\mathcal{O}(1; \{2^{12}, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^4, 5^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^{15}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^7, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2^{18}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^{10}, 5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^{10}, 10^2\})$	335544400
10	$\mathcal{O}(1; \{2^{13}, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2^5, 5^7, 10^3\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{5^9, 10^4\})$	1342177200
10	$\mathcal{O}(1; \{2^{11}, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2^3, 5^6, 10^5\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{2^9, 10^7\})$	327600
10	$\mathcal{O}(1; \{2, 5^5, 10^7\})$	335544400
10	$\mathcal{O}(1; \{2^4, 5^2, 10^8\})$	20971600
10	$\mathcal{O}(1; \{2^2, 5, 10^{10}\})$	83886000
10	$\mathcal{O}(1; \{10^{12}\})$	335544400
10	$\mathcal{O}(0; \{2^{16}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^8, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{19}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^{11}, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^{13}, 10\})$	53687092
10	$\mathcal{O}(0; \{2^{22}, 10^2\})$	4

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{14}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^6, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{2^{17}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^9, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2, 5^{12}, 10^3\})$	214748364
10	$\mathcal{O}(0; \{2^{12}, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^9, 10^4\})$	13421772
10	$\mathcal{O}(0; \{2^{15}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^7, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^8, 10^6\})$	53687092
10	$\mathcal{O}(0; \{2^{13}, 10^7\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^8, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{5^7, 10^8\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^4, 10^9\})$	13421772
10	$\mathcal{O}(0; \{2^6, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{2, 5^3, 10^{11}\})$	53687092
10	$\mathcal{O}(0; \{2^4, 10^{12}\})$	3355444
11	$\mathcal{O}(5; \{11^2\})$	259374246010
11	$\mathcal{O}(0; \{11^{13}\})$	909090909090
12	$\mathcal{O}(5; \{2^2\})$	61855850496
12	$\mathcal{O}(4; \{2^6\})$	428236800
12	$\mathcal{O}(4; \{2^2, 3^3\})$	856604160
12	$\mathcal{O}(4; \{2^3, 4^2\})$	859832320
12	$\mathcal{O}(4; \{4^4\})$	3439329280
12	$\mathcal{O}(4; \{2^3, 3, 6\})$	856604160
12	$\mathcal{O}(4; \{3, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{3^2, 6^2\})$	2569812480
12	$\mathcal{O}(4; \{2, 6^3\})$	856604160
12	$\mathcal{O}(4; \{3^2, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2, 3, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^{10}\})$	2935296
12	$\mathcal{O}(3; \{2^6, 3^3\})$	5878656
12	$\mathcal{O}(3; \{2^2, 3^6\})$	64665216
12	$\mathcal{O}(3; \{2^7, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^4, 4^4\})$	23855104
12	$\mathcal{O}(3; \{3^3, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2, 4^6\})$	95420416
12	$\mathcal{O}(3; \{2^7, 3, 6\})$	5878656
12	$\mathcal{O}(3; \{2^3, 3^4, 6\})$	29393280

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{3^4, 4^2, 6\})$	59719680
12	$\mathcal{O}(3; \{2, 3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^4, 3^2, 6^2\})$	17635968
12	$\mathcal{O}(3; \{3^5, 6^2\})$	123451776
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2^5, 6^3\})$	5878656
12	$\mathcal{O}(3; \{2, 3^3, 6^3\})$	64665216
12	$\mathcal{O}(3; \{2^2, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3, 6^4\})$	29393280
12	$\mathcal{O}(3; \{6^6\})$	64665216
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{3^5, 4, 12\})$	131383296
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^5, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 4, 6, 12\})$	59719680
12	$\mathcal{O}(3; \{2^2, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{4, 6^4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^3, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{4^2, 6^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{3, 6^3, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 4, 12^3\})$	47775744
12	$\mathcal{O}(3; \{4^3, 12^3\})$	191102976
12	$\mathcal{O}(3; \{3, 4, 6, 12^3\})$	238878720
12	$\mathcal{O}(3; \{3^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2, 6, 12^4\})$	238878720
12	$\mathcal{O}(2; \{2^{14}\})$	19200
12	$\mathcal{O}(2; \{2^{10}, 3^3\})$	38880
12	$\mathcal{O}(2; \{2^6, 3^6\})$	427680
12	$\mathcal{O}(2; \{2^2, 3^9\})$	3304800
12	$\mathcal{O}(2; \{2^{11}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^8, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{3^6, 4^4\})$	3649536
12	$\mathcal{O}(2; \{2^5, 4^6\})$	655360
12	$\mathcal{O}(2; \{2, 3^3, 4^6\})$	1327104

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4^8\})$	2621440
12	$\mathcal{O}(2; \{2^{11}, 3, 6\})$	38880
12	$\mathcal{O}(2; \{2^7, 3^4, 6\})$	194400
12	$\mathcal{O}(2; \{2^3, 3^7, 6\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{3^7, 4^2, 6\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 3^2, 6^2\})$	116640
12	$\mathcal{O}(2; \{2^4, 3^5, 6^2\})$	816480
12	$\mathcal{O}(2; \{3^8, 6^2\})$	6648480
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^9, 6^3\})$	38880
12	$\mathcal{O}(2; \{2^5, 3^3, 6^3\})$	427680
12	$\mathcal{O}(2; \{2, 3^6, 6^3\})$	3304800
12	$\mathcal{O}(2; \{2^6, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^3, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{4^6, 6^3\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3, 6^4\})$	194400
12	$\mathcal{O}(2; \{2^2, 3^4, 6^4\})$	1671840
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{3, 4^4, 6^4\})$	1658880
12	$\mathcal{O}(2; \{2^3, 3^2, 6^5\})$	816480
12	$\mathcal{O}(2; \{3^2, 4^2, 6^5\})$	1741824
12	$\mathcal{O}(2; \{2^4, 6^6\})$	427680
12	$\mathcal{O}(2; \{3^3, 6^6\})$	3304800
12	$\mathcal{O}(2; \{2, 4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2, 3, 6^7\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{3^8, 4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^9, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2, 3^6, 4, 6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^6, 4^3, 6, 12\})$	331776

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2^3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{3, 4^5, 6^2, 12\})$	3981312
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{3^2, 4^3, 6^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^4, 4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{3^3, 4, 6^4, 12\})$	3566592
12	$\mathcal{O}(2; \{2, 4^3, 6^4, 12\})$	1658880
12	$\mathcal{O}(2; \{2, 3, 4, 6^5, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2, 3^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^2, 4^4, 6, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^7, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^4, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{3^3, 4^2, 6^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2, 4^4, 6^2, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{3^4, 6^3, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^3, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2, 3^2, 6^4, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^2, 6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^7, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^4, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{3^3, 4^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2, 4^5, 12^3\})$	5308416
12	$\mathcal{O}(2; \{2^4, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{3^4, 4, 6, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2, 3, 4^3, 6, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^2, 12^3\})$	6967296

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{3^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^5, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2, 3^3, 6, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^2, 4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{6^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{4, 6^2, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^3, 12^6\})$	14598144
12	$\mathcal{O}(2; \{4^2, 12^6\})$	58392576
12	$\mathcal{O}(2; \{3, 6, 12^6\})$	57065472
12	$\mathcal{O}(1; \{2^{18}\})$	96
12	$\mathcal{O}(1; \{2^{14}, 3^3\})$	216
12	$\mathcal{O}(1; \{2^{10}, 3^6\})$	2376
12	$\mathcal{O}(1; \{2^6, 3^9\})$	18360
12	$\mathcal{O}(1; \{2^2, 3^{12}\})$	147528
12	$\mathcal{O}(1; \{2^{15}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^{12}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{3^9, 4^4\})$	195840
12	$\mathcal{O}(1; \{2^9, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2, 3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^6, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^3, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{4^{12}\})$	262144
12	$\mathcal{O}(1; \{2^{15}, 3, 6\})$	216
12	$\mathcal{O}(1; \{2^{11}, 3^4, 6\})$	1080
12	$\mathcal{O}(1; \{2^7, 3^7, 6\})$	9288
12	$\mathcal{O}(1; \{2^3, 3^{10}, 6\})$	73656
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6\})$	196416
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6\})$	2304

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{3, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^{12}, 3^2, 6^2\})$	648
12	$\mathcal{O}(1; \{2^8, 3^5, 6^2\})$	4536
12	$\mathcal{O}(1; \{2^4, 3^8, 6^2\})$	36936
12	$\mathcal{O}(1; \{3^{11}, 6^2\})$	294840
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{3^2, 4^8, 6^2\})$	110592
12	$\mathcal{O}(1; \{2^{13}, 6^3\})$	216
12	$\mathcal{O}(1; \{2^9, 3^3, 6^3\})$	2376
12	$\mathcal{O}(1; \{2^5, 3^6, 6^3\})$	18360
12	$\mathcal{O}(1; \{2, 3^9, 6^3\})$	147528
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^7, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{3^3, 4^6, 6^3\})$	101376
12	$\mathcal{O}(1; \{2, 4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 3, 6^4\})$	1080
12	$\mathcal{O}(1; \{2^6, 3^4, 6^4\})$	9288
12	$\mathcal{O}(1; \{2^2, 3^7, 6^4\})$	73656
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{3^4, 4^4, 6^4\})$	99072
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^7, 3^2, 6^5\})$	4536
12	$\mathcal{O}(1; \{2^3, 3^5, 6^5\})$	36936
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{3^5, 4^2, 6^5\})$	98496
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^5\})$	48384
12	$\mathcal{O}(1; \{2^8, 6^6\})$	2376

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^3, 6^6\})$	18360
12	$\mathcal{O}(1; \{3^6, 6^6\})$	147528
12	$\mathcal{O}(1; \{2^5, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2^2, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{2^5, 3, 6^7\})$	9288
12	$\mathcal{O}(1; \{2, 3^4, 6^7\})$	73656
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^2, 6^8\})$	36936
12	$\mathcal{O}(1; \{2^3, 6^9\})$	18360
12	$\mathcal{O}(1; \{4^2, 6^9\})$	48960
12	$\mathcal{O}(1; \{3, 6^{10}\})$	73656
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{3^{11}, 4, 12\})$	393408
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{3^2, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^{13}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^7, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{2^4, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^7, 6, 12\})$	184320
12	$\mathcal{O}(1; \{2, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{3^4, 4^5, 6^2, 12\})$	193536
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^2, 12\})$	110592

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{3^5, 4^3, 6^3, 12\})$	195840
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^3, 12\})$	101376
12	$\mathcal{O}(1; \{2^8, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{3^6, 4, 6^4, 12\})$	196416
12	$\mathcal{O}(1; \{2^5, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2^2, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^5, 12\})$	98496
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{2^3, 4, 6^7, 12\})$	24768
12	$\mathcal{O}(1; \{4^3, 6^7, 12\})$	99072
12	$\mathcal{O}(1; \{3, 4, 6^8, 12\})$	98496
12	$\mathcal{O}(1; \{2^{13}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^9, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{3^4, 4^6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2, 3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{3^5, 4^4, 6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^{11}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^6, 6^2, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 4^2, 6^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^2, 12^2\})$	48384

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^6, 4^2, 6^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^5, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^2, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{2^8, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^7, 6^3, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^4, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^6, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^3, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{4^4, 6^5, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^3, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{3, 4^2, 6^6, 12^2\})$	195840
12	$\mathcal{O}(1; \{3^2, 6^7, 12^2\})$	196416
12	$\mathcal{O}(1; \{2, 6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{11}, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^6, 4^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^5, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^2, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{2^8, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^7, 4, 6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^2, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^6, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^3, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{4^5, 6^3, 12^3\})$	405504

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{3, 4^3, 6^4, 12^3\})$	396288
12	$\mathcal{O}(1; \{3^2, 4, 6^5, 12^3\})$	393984
12	$\mathcal{O}(1; \{2, 4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^8, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^9, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2, 3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^6, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^3, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{4^6, 6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^6, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{3, 4^4, 6^2, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^4, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{3^3, 6^4, 12^4\})$	785664
12	$\mathcal{O}(1; \{2, 4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{2, 3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^6, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{3, 4^5, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{3^2, 4^3, 6, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^4, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{3^3, 4, 6^2, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2, 4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{2, 3, 4, 6^3, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^4, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{3^3, 4^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2, 4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3, 6, 12^6\})$	396288

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 6, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2, 3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2, 3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^2, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2, 3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^2, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3, 12^8\})$	3133440
12	$\mathcal{O}(1; \{6^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{4, 12^9\})$	12533760
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{3^{12}, 4^4\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2, 3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{3^3, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6\})$	10924
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6\})$	5120
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^2\})$	84

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{3^5, 4^8, 6^2\})$	5376
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^3\})$	1360
12	$\mathcal{O}(0; \{2^8, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{3^6, 4^6, 6^3\})$	5440
12	$\mathcal{O}(0; \{2^5, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{3^7, 4^4, 6^4\})$	5456
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{3^8, 4^2, 6^5\})$	5460
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{2^9, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^6, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^6\})$	1360

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{4^8, 6^6\})$	2816
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{3, 4^6, 6^7\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{3^2, 4^4, 6^8\})$	2736
12	$\mathcal{O}(0; \{2^4, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{3^3, 4^2, 6^9\})$	2732
12	$\mathcal{O}(0; \{2, 4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{3^{14}, 4, 12\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{3^5, 4^9, 12\})$	11264
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{17}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^8, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6, 12\})$	1280

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^6, 4^7, 6, 12\})$	11008
12	$\mathcal{O}(0; \{2^5, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{3^7, 4^5, 6^2, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{3^8, 4^3, 6^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{3^9, 4, 6^4, 12\})$	10924
12	$\mathcal{O}(0; \{2^9, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^6, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2^3, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{4^9, 6^4, 12\})$	5120
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^5, 12\})$	1344

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 4^7, 6^5, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{3^2, 4^5, 6^6, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^4, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{3^3, 4^3, 6^7, 12\})$	5456
12	$\mathcal{O}(0; \{2, 4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{3^4, 4, 6^8, 12\})$	5460
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2^2, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^{17}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^9, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^7, 4^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^8, 4^4, 6, 12^2\})$	21824

Continued on next page

Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{15}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^9, 4^2, 6^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^9, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^6, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^3, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{4^{10}, 6^2, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{12}, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^{10}, 6^3, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^3, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{3, 4^8, 6^3, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^2, 4^6, 6^4, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^3, 6^5, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^7, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^4, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^3, 4^4, 6^5, 12^2\})$	10944

Continued on next page

Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^7, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^4, 4^2, 6^6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^5, 6^7, 12^2\})$	10924
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^5, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^2, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^2, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{6^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{15}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{12}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^9, 4^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^9, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^6, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^3, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{4^{11}, 12^3\})$	16384
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^{10}, 4, 6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{3, 4^9, 6, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^2, 12^3\})$	21840

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^2, 4^7, 6^2, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^{10}, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^7, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^4, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{3^3, 4^5, 6^3, 12^3\})$	21760
12	$\mathcal{O}(0; \{2, 4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^4, 4^3, 6^4, 12^3\})$	21824
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^5, 4, 6^5, 12^3\})$	21840
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^5, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^5, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^2, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{4, 6^9, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{12}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^8, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{3^2, 4^8, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^{13}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^9, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^5, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6, 12^4\})$	21824

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^4, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{3^3, 4^6, 6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2, 4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^{10}, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^6, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{3^4, 4^4, 6^2, 12^4\})$	43776
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^5, 4^2, 6^3, 12^4\})$	43712
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^8, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^4, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^6, 6^4, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^5, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^2, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2^5, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2, 3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^3, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{4^2, 6^7, 12^4\})$	21824
12	$\mathcal{O}(0; \{3, 6^8, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{3^4, 4^5, 12^5\})$	87040
12	$\mathcal{O}(0; \{2, 3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{3^5, 4^3, 6, 12^5\})$	87296

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^8, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^6, 4, 6^2, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^5, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^2, 4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^3, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{4^3, 6^5, 12^5\})$	43776
12	$\mathcal{O}(0; \{3, 4, 6^6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^{11}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^7, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^8, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^6, 4^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^5, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^2, 4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{2^8, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^7, 6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2, 3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^6, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^3, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{4^4, 6^3, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^3, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{3, 4^2, 6^4, 12^6\})$	87296
12	$\mathcal{O}(0; \{3^2, 6^5, 12^6\})$	87360
12	$\mathcal{O}(0; \{2, 6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2, 3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 12^7\})$	87040

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^3, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{4^5, 6, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{3, 4^3, 6^2, 12^7\})$	175104
12	$\mathcal{O}(0; \{3^2, 4, 6^3, 12^7\})$	174848
12	$\mathcal{O}(0; \{2, 4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^6, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{3, 4^4, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^2, 4^2, 6, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^4, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{3^3, 6^2, 12^8\})$	349440
12	$\mathcal{O}(0; \{2, 4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2, 3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^4, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{3^3, 4, 12^9\})$	699392
12	$\mathcal{O}(0; \{2, 4^3, 12^9\})$	348160
12	$\mathcal{O}(0; \{2, 3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{2, 3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^2, 6, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{12^{12}\})$	2797568
13	$\mathcal{O}(1; \{13^9\})$	67077144420
14	$\mathcal{O}(4; \{7^2\})$	8820145530
14	$\mathcal{O}(3; \{2^4, 7^2\})$	45177216
14	$\mathcal{O}(3; \{2^2, 7, 14^2\})$	225886080
14	$\mathcal{O}(3; \{14^4\})$	1400493696
14	$\mathcal{O}(2; \{2^8, 7^2\})$	230496
14	$\mathcal{O}(2; \{2, 7^5, 14\})$	256081056
14	$\mathcal{O}(2; \{2^6, 7, 14^2\})$	1152480
14	$\mathcal{O}(2; \{2^4, 14^4\})$	7145376
14	$\mathcal{O}(1; \{2^{12}, 7^2\})$	1176
14	$\mathcal{O}(1; \{7^9\})$	211631490
14	$\mathcal{O}(1; \{2^5, 7^5, 14\})$	1306536
14	$\mathcal{O}(1; \{2^{10}, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{2^3, 7^4, 14^3\})$	7838040
14	$\mathcal{O}(1; \{2^8, 14^4\})$	36456
14	$\mathcal{O}(1; \{2, 7^3, 14^5\})$	47029416
14	$\mathcal{O}(0; \{2^{16}, 7^2\})$	6
14	$\mathcal{O}(0; \{2^4, 7^9\})$	1439670

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{2^9, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^{14}, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{2^2, 7^8, 14^2\})$	8638026
14	$\mathcal{O}(0; \{2^7, 7^4, 14^3\})$	39990
14	$\mathcal{O}(0; \{2^{12}, 14^4\})$	186
14	$\mathcal{O}(0; \{7^7, 14^4\})$	51828150
14	$\mathcal{O}(0; \{2^5, 7^3, 14^5\})$	239946
14	$\mathcal{O}(0; \{2^3, 7^2, 14^7\})$	1439670
14	$\mathcal{O}(0; \{2, 7, 14^9\})$	8638026
15	$\mathcal{O}(3; \{5^4\})$	591500000
15	$\mathcal{O}(3; \{3, 5^2, 15\})$	273375000
15	$\mathcal{O}(3; \{3^2, 15^2\})$	273375000
15	$\mathcal{O}(2; \{3^3, 5^4\})$	5265000
15	$\mathcal{O}(2; \{3^4, 5^2, 15\})$	6075000
15	$\mathcal{O}(2; \{3^5, 15^2\})$	8505000
15	$\mathcal{O}(2; \{5^3, 15^3\})$	83025000
15	$\mathcal{O}(2; \{3, 5, 15^4\})$	103275000
15	$\mathcal{O}(1; \{3^6, 5^4\})$	257400
15	$\mathcal{O}(1; \{5^9\})$	10485600
15	$\mathcal{O}(1; \{3^7, 5^2, 15\})$	232200
15	$\mathcal{O}(1; \{3, 5^7, 15\})$	5898600
15	$\mathcal{O}(1; \{3^8, 15^2\})$	307800
15	$\mathcal{O}(1; \{3^2, 5^5, 15^2\})$	4422600
15	$\mathcal{O}(1; \{3^3, 5^3, 15^3\})$	4059000
15	$\mathcal{O}(1; \{3^4, 5, 15^4\})$	3947400
15	$\mathcal{O}(1; \{5^2, 15^6\})$	64884600
15	$\mathcal{O}(1; \{3, 15^7\})$	63390600
15	$\mathcal{O}(0; \{3^9, 5^4\})$	8840
15	$\mathcal{O}(0; \{3^3, 5^9\})$	104856
15	$\mathcal{O}(0; \{3^{10}, 5^2, 15\})$	8184
15	$\mathcal{O}(0; \{3^4, 5^7, 15\})$	131080
15	$\mathcal{O}(0; \{3^{11}, 15^2\})$	10920
15	$\mathcal{O}(0; \{3^5, 5^5, 15^2\})$	137592
15	$\mathcal{O}(0; \{3^6, 5^3, 15^3\})$	139400
15	$\mathcal{O}(0; \{5^8, 15^3\})$	1677720
15	$\mathcal{O}(0; \{3^7, 5, 15^4\})$	139128
15	$\mathcal{O}(0; \{3, 5^6, 15^4\})$	2097160
15	$\mathcal{O}(0; \{3^2, 5^4, 15^5\})$	2201976
15	$\mathcal{O}(0; \{3^3, 5^2, 15^6\})$	2228360
15	$\mathcal{O}(0; \{3^4, 15^7\})$	2234232
15	$\mathcal{O}(0; \{5, 15^9\})$	35651720
16	$\mathcal{O}(3; \{2^2, 8^2\})$	66060288
16	$\mathcal{O}(3; \{8, 16^2\})$	536870912

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2^6, 8^2\})$	245760
16	$\mathcal{O}(2; \{2^3, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{4^4, 8^2\})$	3932160
16	$\mathcal{O}(2; \{2, 4, 8^4\})$	7864320
16	$\mathcal{O}(2; \{2^4, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2, 4^2, 8, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^2, 16^4\})$	33554432
16	$\mathcal{O}(1; \{2^{10}, 8^2\})$	768
16	$\mathcal{O}(1; \{2^7, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^4, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{2, 4^6, 8^2\})$	49152
16	$\mathcal{O}(1; \{2^5, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{2^2, 4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{2^3, 8^6\})$	196608
16	$\mathcal{O}(1; \{4^2, 8^6\})$	786432
16	$\mathcal{O}(1; \{2^8, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^5, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^2, 4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^3, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{4^3, 8^3, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^6, 16^4\})$	131072
16	$\mathcal{O}(1; \{2^3, 4^2, 16^4\})$	524288
16	$\mathcal{O}(1; \{4^4, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2, 4, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(0; \{2^{12}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^9, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^6, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2^3, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{4^8, 8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^7, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^4, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2, 4^5, 8^3, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^5, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^2, 4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{4, 8^7, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{10}, 16^4\})$	512
16	$\mathcal{O}(0; \{2^7, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^4, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2, 4^6, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^5, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^3, 8^4, 16^4\})$	131072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{4^2, 8^4, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^3, 4, 8, 16^6\})$	262144
16	$\mathcal{O}(0; \{4^3, 8, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2, 8^3, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2, 4, 16^8\})$	4194304
18	$\mathcal{O}(4; \emptyset)$	10975240800
18	$\mathcal{O}(3; \{2^4\})$	33965568
18	$\mathcal{O}(3; \{3^3\})$	66869712
18	$\mathcal{O}(3; \{2, 3, 6\})$	67931136
18	$\mathcal{O}(2; \{2^8\})$	103680
18	$\mathcal{O}(2; \{2^4, 3^3\})$	207360
18	$\mathcal{O}(2; \{3^6\})$	2138400
18	$\mathcal{O}(2; \{2^5, 3, 6\})$	207360
18	$\mathcal{O}(2; \{2, 3^4, 6\})$	1036800
18	$\mathcal{O}(2; \{2^2, 3^2, 6^2\})$	622080
18	$\mathcal{O}(2; \{2^3, 6^3\})$	207360
18	$\mathcal{O}(2; \{3, 6^4\})$	1036800
18	$\mathcal{O}(2; \{3^2, 9^3\})$	7085880
18	$\mathcal{O}(2; \{2, 6, 9^3\})$	3779136
18	$\mathcal{O}(2; \{2^3, 3, 9, 18\})$	1259712
18	$\mathcal{O}(2; \{3^2, 6, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2, 6^2, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2, 3, 18^3\})$	3779136
18	$\mathcal{O}(1; \{2^{12}\})$	288
18	$\mathcal{O}(1; \{2^8, 3^3\})$	576
18	$\mathcal{O}(1; \{2^4, 3^6\})$	6336
18	$\mathcal{O}(1; \{3^9\})$	36720
18	$\mathcal{O}(1; \{2^9, 3, 6\})$	576
18	$\mathcal{O}(1; \{2^5, 3^4, 6\})$	2880
18	$\mathcal{O}(1; \{2, 3^7, 6\})$	24768
18	$\mathcal{O}(1; \{2^6, 3^2, 6^2\})$	1728
18	$\mathcal{O}(1; \{2^2, 3^5, 6^2\})$	12096
18	$\mathcal{O}(1; \{2^7, 6^3\})$	576
18	$\mathcal{O}(1; \{2^3, 3^3, 6^3\})$	6336
18	$\mathcal{O}(1; \{2^4, 3, 6^4\})$	2880
18	$\mathcal{O}(1; \{3^4, 6^4\})$	24768
18	$\mathcal{O}(1; \{2, 3^2, 6^5\})$	12096
18	$\mathcal{O}(1; \{2^2, 6^6\})$	6336
18	$\mathcal{O}(1; \{2^4, 3^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{3^5, 9^3\})$	139968
18	$\mathcal{O}(1; \{2^5, 6, 9^3\})$	11664
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^3\})$	46656

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{6^4, 9^3\})$	93312
18	$\mathcal{O}(1; \{3, 9^6\})$	2598156
18	$\mathcal{O}(1; \{2^7, 3, 9, 18\})$	3888
18	$\mathcal{O}(1; \{2^3, 3^4, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^4, 3^2, 6, 9, 18\})$	15552
18	$\mathcal{O}(1; \{3^5, 6, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^5, 6^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2, 3^3, 6^2, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^2, 3, 6^3, 9, 18\})$	31104
18	$\mathcal{O}(1; \{6^5, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^3, 9^4, 18\})$	262440
18	$\mathcal{O}(1; \{3, 6, 9^4, 18\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^3, 6, 9^2, 18^2\})$	104976
18	$\mathcal{O}(1; \{3, 6^2, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^5, 3, 18^3\})$	11664
18	$\mathcal{O}(1; \{2, 3^4, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^3, 6^2, 18^3\})$	23328
18	$\mathcal{O}(1; \{3, 6^3, 18^3\})$	93312
18	$\mathcal{O}(1; \{2, 9^3, 18^3\})$	1732104
18	$\mathcal{O}(1; \{3^2, 9, 18^4\})$	1049760
18	$\mathcal{O}(1; \{2, 6, 9, 18^4\})$	524880
18	$\mathcal{O}(0; \{2^8, 3^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^4, 3^5, 9^3\})$	576
18	$\mathcal{O}(0; \{2^9, 6, 9^3\})$	36
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^3\})$	288
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^3\})$	144
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^3\})$	576
18	$\mathcal{O}(0; \{2^4, 6^4, 9^3\})$	288
18	$\mathcal{O}(0; \{3^3, 6^4, 9^3\})$	2304
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^4, 3, 9^6\})$	10692
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^2, 6^2, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^{11}, 3, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^7, 3^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^3, 3^7, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^8, 3^2, 6, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^4, 3^5, 6, 9, 18\})$	384
18	$\mathcal{O}(0; \{3^8, 6, 9, 18\})$	3072

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^9, 6^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 9, 18\})$	192
18	$\mathcal{O}(0; \{2, 3^6, 6^2, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^6, 3, 6^3, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^4, 6^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{3^3, 6^5, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2, 3, 6^6, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^7, 9^4, 18\})$	810
18	$\mathcal{O}(0; \{2^3, 3^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{3^4, 6, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^2, 6^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{6, 9^7, 18\})$	376164
18	$\mathcal{O}(0; \{2^6, 3^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2^2, 3^5, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^7, 6, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{3^4, 6^2, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^2, 6^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 9^5, 18^2\})$	61236
18	$\mathcal{O}(0; \{6^2, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2^9, 3, 18^3\})$	36
18	$\mathcal{O}(0; \{2^5, 3^4, 18^3\})$	288
18	$\mathcal{O}(0; \{2, 3^7, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 18^3\})$	144
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^7, 6^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 18^3\})$	576
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 18^3\})$	288
18	$\mathcal{O}(0; \{3^4, 6^3, 18^3\})$	2304
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^2, 6^5, 18^3\})$	576
18	$\mathcal{O}(0; \{2^5, 9^3, 18^3\})$	5346
18	$\mathcal{O}(0; \{2, 3^3, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{6^3, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^4, 3^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{3^5, 9, 18^4\})$	25920

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 6, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{2, 3^3, 6, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{6^4, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{3, 9^4, 18^4\})$	376164
18	$\mathcal{O}(0; \{2^3, 9^2, 18^5\})$	30618
18	$\mathcal{O}(0; \{3, 6, 9^2, 18^5\})$	122472
18	$\mathcal{O}(0; \{2^2, 3^2, 18^6\})$	21384
18	$\mathcal{O}(0; \{2^3, 6, 18^6\})$	10692
18	$\mathcal{O}(0; \{3, 6^2, 18^6\})$	42768
18	$\mathcal{O}(0; \{2, 9, 18^7\})$	188082
19	$\mathcal{O}(1; \{19^6\})$	646232598
20	$\mathcal{O}(2; \{2^2, 5^3\})$	1800000
20	$\mathcal{O}(2; \{5^2, 10^2\})$	7800000
20	$\mathcal{O}(2; \{4, 5, 10, 20\})$	3840000
20	$\mathcal{O}(2; \{2^3, 20^2\})$	1280000
20	$\mathcal{O}(2; \{4^2, 20^2\})$	5120000
20	$\mathcal{O}(1; \{2^6, 5^3\})$	3600
20	$\mathcal{O}(1; \{2^3, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{4^4, 5^3\})$	38400
20	$\mathcal{O}(1; \{2, 5^5, 10\})$	246000
20	$\mathcal{O}(1; \{2^4, 5^2, 10^2\})$	15600
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 10^2\})$	41600
20	$\mathcal{O}(1; \{2^2, 5, 10^4\})$	61200
20	$\mathcal{O}(1; \{10^6\})$	246000
20	$\mathcal{O}(1; \{2, 4, 5^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{2, 4^3, 5, 10, 20\})$	38400
20	$\mathcal{O}(1; \{2^2, 4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^7, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^4, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{2, 4^4, 20^2\})$	51200
20	$\mathcal{O}(1; \{2^2, 5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{5, 10^3, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^2, 4, 5, 20^3\})$	166400
20	$\mathcal{O}(1; \{4, 10^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{5^2, 20^4\})$	2624000
20	$\mathcal{O}(0; \{2^7, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^4, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{2, 4^6, 5^3\})$	384
20	$\mathcal{O}(0; \{2^2, 4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 10^2\})$	416

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{4^2, 5^4, 10^3\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^4\})$	408
20	$\mathcal{O}(0; \{4^4, 5, 10^4\})$	1632
20	$\mathcal{O}(0; \{2, 4^2, 10^6\})$	1640
20	$\mathcal{O}(0; \{2^5, 4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{2^2, 4^3, 5^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^8, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{2^5, 4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{2^2, 4^5, 5, 10, 20\})$	384
20	$\mathcal{O}(0; \{4, 5^6, 10, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 10^2, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 5^3, 10^2, 20\})$	6560
20	$\mathcal{O}(0; \{2^6, 4, 10^3, 20\})$	104
20	$\mathcal{O}(0; \{2^3, 4^3, 10^3, 20\})$	416
20	$\mathcal{O}(0; \{4^5, 10^3, 20\})$	1664
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^4, 20\})$	6552
20	$\mathcal{O}(0; \{2^{11}, 20^2\})$	8
20	$\mathcal{O}(0; \{2^8, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{2^5, 4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{2^2, 4^6, 20^2\})$	512
20	$\mathcal{O}(0; \{2^3, 5^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{4^2, 5^5, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^6, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10, 20^2\})$	1632
20	$\mathcal{O}(0; \{4^4, 5^2, 10, 20^2\})$	6528
20	$\mathcal{O}(0; \{2, 5^4, 10^2, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 5, 10^3, 20^2\})$	1640
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^3, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^2, 10^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^6, 4, 5, 20^3\})$	416
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 20^3\})$	1664
20	$\mathcal{O}(0; \{4^5, 5, 20^3\})$	6656
20	$\mathcal{O}(0; \{2, 4, 5^3, 10, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^4, 4, 10^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2, 4^3, 10^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^4, 5^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^2, 5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{10^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^2, 4, 10, 20^5\})$	26240
20	$\mathcal{O}(0; \{5, 10, 20^6\})$	419456
20	$\mathcal{O}(0; \{4, 20^7\})$	419328
21	$\mathcal{O}(2; \{3^2, 7, 21\})$	2333772

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(1; \{7^6\})$	2613072
21	$\mathcal{O}(1; \{3^5, 7, 21\})$	58212
21	$\mathcal{O}(1; \{3, 7^3, 21^2\})$	979020
21	$\mathcal{O}(1; \{3^2, 21^4\})$	1804572
21	$\mathcal{O}(0; \{3^3, 7^6\})$	13332
21	$\mathcal{O}(0; \{3^8, 7, 21\})$	1020
21	$\mathcal{O}(0; \{3^4, 7^3, 21^2\})$	24420
21	$\mathcal{O}(0; \{7^5, 21^3\})$	479892
21	$\mathcal{O}(0; \{3^5, 21^4\})$	31620
21	$\mathcal{O}(0; \{3, 7^2, 21^5\})$	879780
22	$\mathcal{O}(2; \{2^2, 22^2\})$	2342560
22	$\mathcal{O}(1; \{2^6, 22^2\})$	4840
22	$\mathcal{O}(0; \{2, 11^6, 22\})$	909090
22	$\mathcal{O}(0; \{2^{10}, 22^2\})$	10
23	$\mathcal{O}(0; \{23^7\})$	108450342
24	$\mathcal{O}(2; \{2^2, 4^2\})$	614400
24	$\mathcal{O}(2; \{4, 8^2\})$	2621440
24	$\mathcal{O}(2; \{4, 6, 12\})$	1244160
24	$\mathcal{O}(2; \{3, 12^2\})$	1244160
24	$\mathcal{O}(2; \{3, 8, 24\})$	2654208
24	$\mathcal{O}(1; \{2^6, 4^2\})$	768
24	$\mathcal{O}(1; \{2^2, 3^3, 4^2\})$	1728
24	$\mathcal{O}(1; \{2^3, 4^4\})$	3072
24	$\mathcal{O}(1; \{4^6\})$	12288
24	$\mathcal{O}(1; \{2^3, 3, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{3, 4^4, 6\})$	6912
24	$\mathcal{O}(1; \{3^2, 4^2, 6^2\})$	5184
24	$\mathcal{O}(1; \{2, 4^2, 6^3\})$	1728
24	$\mathcal{O}(1; \{2^4, 4, 8^2\})$	4096
24	$\mathcal{O}(1; \{3^3, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 4^3, 8^2\})$	16384
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 8^4\})$	32768
24	$\mathcal{O}(1; \{2^3, 3^2, 4, 12\})$	1728
24	$\mathcal{O}(1; \{3^2, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2^4, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{3^3, 4, 6, 12\})$	8640
24	$\mathcal{O}(1; \{2, 4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12\})$	5184
24	$\mathcal{O}(1; \{2, 3^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^2, 6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^4, 3, 12^2\})$	1728
24	$\mathcal{O}(1; \{3^4, 12^2\})$	19008

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2, 3^2, 6, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^2, 6^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^2, 4, 12^3\})$	6912
24	$\mathcal{O}(1; \{8^2, 12^3\})$	36864
24	$\mathcal{O}(1; \{6, 12^4\})$	34560
24	$\mathcal{O}(1; \{2^4, 3, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3^4, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 3, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3^2, 6, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^2, 6^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^2, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{8^3, 12, 24\})$	147456
24	$\mathcal{O}(1; \{6, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2, 3^2, 4, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^2, 4, 6, 24^2\})$	9216
24	$\mathcal{O}(1; \{6, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^2, 3, 12, 24^2\})$	27648
24	$\mathcal{O}(1; \{6^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{4, 12^2, 24^2\})$	110592
24	$\mathcal{O}(1; \{4, 8, 24^3\})$	147456
24	$\mathcal{O}(1; \{3, 24^4\})$	368640
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{3^6, 4, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8^2\})$	48
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8^2\})$	16
24	$\mathcal{O}(0; \{4^3, 6^3, 8^2\})$	64
24	$\mathcal{O}(0; \{3, 4, 6^4, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 3^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^4\})$	512
24	$\mathcal{O}(0; \{3^2, 6^2, 8^4\})$	384
24	$\mathcal{O}(0; \{2, 6^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^5, 3^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2, 3^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^6, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8^2, 12\})$	64

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^4, 6, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{3^2, 6^3, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 6^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{3^2, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2, 4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2, 3, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^4, 8^2, 12^3\})$	64
24	$\mathcal{O}(0; \{3^3, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12^3\})$	256
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^8, 3, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^4, 3^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{3^7, 8, 24\})$	344
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3^5, 6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^6, 6^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{4^4, 6^2, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 8, 24\})$	40
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 8, 24\})$	160
24	$\mathcal{O}(0; \{3^2, 6^4, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 6^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{3, 4^3, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2, 3, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^6, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{4^5, 8, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8, 12, 24\})$	96

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^3, 6, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2, 4, 6^3, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^4, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{3^3, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2, 4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{2, 3, 6, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{2^4, 6, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{3^3, 6, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 8, 12^4, 24\})$	640
24	$\mathcal{O}(0; \{2^5, 3^2, 4, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 3^5, 4, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 24^2\})$	192
24	$\mathcal{O}(0; \{2^6, 4, 6, 24^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 4^3, 6, 24^2\})$	64
24	$\mathcal{O}(0; \{4^5, 6, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 24^2\})$	80
24	$\mathcal{O}(0; \{3, 4^3, 6^2, 24^2\})$	320
24	$\mathcal{O}(0; \{3^2, 4, 6^3, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 4, 6^4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^6, 3, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{3, 4^4, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2^4, 6^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{3^3, 6^2, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3, 6^3, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12, 24^2\})$	1536

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4, 12^2, 24^2\})$	192
24	$\mathcal{O}(0; \{3^3, 4, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 4^3, 12^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2, 3, 4, 6, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 8^2, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2, 3^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2^2, 6, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{12^5, 24^2\})$	5376
24	$\mathcal{O}(0; \{2^4, 4, 8, 24^3\})$	256
24	$\mathcal{O}(0; \{3^3, 4, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 4^3, 8, 24^3\})$	1024
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 8^3, 24^3\})$	2048
24	$\mathcal{O}(0; \{2, 3^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^2, 6, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{8, 12^3, 24^3\})$	11264
24	$\mathcal{O}(0; \{2^4, 3, 24^4\})$	640
24	$\mathcal{O}(0; \{3^4, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 3, 4^2, 24^4\})$	2560
24	$\mathcal{O}(0; \{2, 3^2, 6, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^2, 6^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^2, 4, 12, 24^4\})$	2560
24	$\mathcal{O}(0; \{8^2, 12, 24^4\})$	20480
24	$\mathcal{O}(0; \{6, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{6, 8, 24^5\})$	22528
24	$\mathcal{O}(0; \{4, 24^6\})$	45056
25	$\mathcal{O}(1; \{5^3, 25^2\})$	800000
26	$\mathcal{O}(0; \{2^3, 13^4, 26\})$	19140
26	$\mathcal{O}(0; \{2, 13^3, 26^3\})$	229692
27	$\mathcal{O}(3; \emptyset)$	386889048
27	$\mathcal{O}(2; \{3^3\})$	1049760
27	$\mathcal{O}(1; \{3^6\})$	14256
27	$\mathcal{O}(1; \{3^2, 9^3\})$	46656
27	$\mathcal{O}(0; \{3^2, 9^2, 27^3\})$	23328
28	$\mathcal{O}(2; \{14^2\})$	3457440
28	$\mathcal{O}(1; \{2^4, 14^2\})$	3528
28	$\mathcal{O}(1; \{2, 4^2, 14^2\})$	9408
28	$\mathcal{O}(1; \{2^2, 14, 28^2\})$	47040
28	$\mathcal{O}(1; \{28^4\})$	1166592
28	$\mathcal{O}(0; \{4^2, 7^4, 14\})$	2220
28	$\mathcal{O}(0; \{2^5, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{2^2, 4^4, 14^2\})$	48
28	$\mathcal{O}(0; \{2^3, 4, 7^2, 14, 28\})$	372

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{4^3, 7^2, 14, 28\})$	1488
28	$\mathcal{O}(0; \{2, 4, 7, 14^3, 28\})$	2220
28	$\mathcal{O}(0; \{2, 7^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^6, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{2^3, 4^2, 14, 28^2\})$	240
28	$\mathcal{O}(0; \{4^4, 14, 28^2\})$	960
28	$\mathcal{O}(0; \{2, 4, 7^2, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^4, 28^4\})$	1488
28	$\mathcal{O}(0; \{2, 4^2, 28^4\})$	5952
30	$\mathcal{O}(2; \{5^2\})$	3000000
30	$\mathcal{O}(1; \{2^4, 5^2\})$	3200
30	$\mathcal{O}(1; \{3^3, 5^2\})$	5400
30	$\mathcal{O}(1; \{2, 3, 5^2, 6\})$	7200
30	$\mathcal{O}(1; \{2^2, 5, 10^2\})$	9600
30	$\mathcal{O}(1; \{10^4\})$	41600
30	$\mathcal{O}(1; \{6, 10, 15^2\})$	21600
30	$\mathcal{O}(1; \{5, 15^3\})$	70200
30	$\mathcal{O}(1; \{2, 3^2, 5, 30\})$	7200
30	$\mathcal{O}(1; \{2^2, 5, 6, 30\})$	7200
30	$\mathcal{O}(1; \{6, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{5, 10, 15, 30\})$	93600
30	$\mathcal{O}(1; \{2^2, 3, 30^2\})$	7200
30	$\mathcal{O}(1; \{6^2, 30^2\})$	21600
30	$\mathcal{O}(0; \{2^4, 3^3, 5^2\})$	8
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 6\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 6\})$	40
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6^2\})$	24
30	$\mathcal{O}(0; \{2^3, 5^2, 6^3\})$	8
30	$\mathcal{O}(0; \{3, 5^2, 6^4\})$	40
30	$\mathcal{O}(0; \{3, 5^4, 6, 10\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10^2\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10^2\})$	72
30	$\mathcal{O}(0; \{2, 5, 6^3, 10^2\})$	24
30	$\mathcal{O}(0; \{3^3, 10^4\})$	104
30	$\mathcal{O}(0; \{2, 3, 6, 10^4\})$	104
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 10, 15\})$	104
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10, 15\})$	312
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10, 15\})$	104
30	$\mathcal{O}(0; \{2, 3, 5, 10^3, 15\})$	408
30	$\mathcal{O}(0; \{2, 5^3, 6, 15^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{2^4, 6, 10, 15^2\})$	24

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3^3, 6, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2^4, 5, 15^3\})$	104
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15^3\})$	520
30	$\mathcal{O}(0; \{2^2, 10^2, 15^3\})$	408
30	$\mathcal{O}(0; \{2^5, 3^2, 5, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^5, 5, 30\})$	88
30	$\mathcal{O}(0; \{2^6, 5, 6, 30\})$	8
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 6, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 3, 5, 6^2, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 6^3, 30\})$	88
30	$\mathcal{O}(0; \{2, 5, 6^4, 30\})$	40
30	$\mathcal{O}(0; \{3^2, 5^3, 10, 30\})$	408
30	$\mathcal{O}(0; \{2, 5^3, 6, 10, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 6, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{3^3, 6, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{2, 3, 6^2, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2, 5^4, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^4, 5, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{3^3, 5, 10, 15, 30\})$	520
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 10^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2, 3, 5^2, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 3^2, 15^3, 30\})$	1144
30	$\mathcal{O}(0; \{2^2, 6, 15^3, 30\})$	520
30	$\mathcal{O}(0; \{10, 15^4, 30\})$	8200
30	$\mathcal{O}(0; \{2^6, 3, 30^2\})$	8
30	$\mathcal{O}(0; \{2^2, 3^4, 30^2\})$	88
30	$\mathcal{O}(0; \{2^3, 3^2, 6, 30^2\})$	40
30	$\mathcal{O}(0; \{2^4, 6^2, 30^2\})$	24
30	$\mathcal{O}(0; \{3^3, 6^2, 30^2\})$	168
30	$\mathcal{O}(0; \{2, 3, 6^3, 30^2\})$	88
30	$\mathcal{O}(0; \{2, 3, 5^2, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3^2, 10, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2^2, 6, 10, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 5, 15^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{10^2, 15^2, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^2, 5, 10, 30^3\})$	408
30	$\mathcal{O}(0; \{10^3, 30^3\})$	1640
30	$\mathcal{O}(0; \{6, 15^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{6, 10, 30^4\})$	2040
30	$\mathcal{O}(0; \{5, 15, 30^4\})$	8200

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(1; \{2^3, 16^2\})$	6144
32	$\mathcal{O}(1; \{4^2, 16^2\})$	24576
32	$\mathcal{O}(1; \{2, 16, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^5, 16, 32^2\})$	128
32	$\mathcal{O}(0; \{2^2, 4^2, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{4, 8^2, 16, 32^2\})$	4096
32	$\mathcal{O}(0; \{2^3, 32^4\})$	4096
32	$\mathcal{O}(0; \{4^2, 32^4\})$	16384
33	$\mathcal{O}(1; \{3^2, 33^2\})$	65340
33	$\mathcal{O}(0; \{3, 11^4, 33\})$	18180
33	$\mathcal{O}(0; \{3^5, 33^2\})$	420
35	$\mathcal{O}(0; \{5^3, 7^2, 35\})$	1560
36	$\mathcal{O}(2; \{2^2\})$	1555200
36	$\mathcal{O}(1; \{2^6\})$	864
36	$\mathcal{O}(1; \{2^2, 3^3\})$	1728
36	$\mathcal{O}(1; \{2^3, 4^2\})$	2304
36	$\mathcal{O}(1; \{4^4\})$	9216
36	$\mathcal{O}(1; \{2^3, 3, 6\})$	1728
36	$\mathcal{O}(1; \{3, 4^2, 6\})$	4608
36	$\mathcal{O}(1; \{3^2, 6^2\})$	5184
36	$\mathcal{O}(1; \{2, 6^3\})$	1728
36	$\mathcal{O}(1; \{3^2, 4, 12\})$	4608
36	$\mathcal{O}(1; \{2, 4, 6, 12\})$	4608
36	$\mathcal{O}(1; \{2, 3, 12^2\})$	4608
36	$\mathcal{O}(1; \{2, 3, 9, 18\})$	11664
36	$\mathcal{O}(0; \{4^2, 6, 9^3\})$	72
36	$\mathcal{O}(0; \{3, 4, 9^3, 12\})$	144
36	$\mathcal{O}(0; \{2, 9^3, 12^2\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 9, 18\})$	24
36	$\mathcal{O}(0; \{4^2, 6^2, 9, 18\})$	48
36	$\mathcal{O}(0; \{2^3, 4, 9, 12, 18\})$	24
36	$\mathcal{O}(0; \{4^3, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{3, 4, 6, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{3^2, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{2, 6, 9, 12^2, 18\})$	96
36	$\mathcal{O}(0; \{3, 4^2, 18^3\})$	72
36	$\mathcal{O}(0; \{2, 4, 12, 18^3\})$	72
36	$\mathcal{O}(0; \{2^3, 4, 9^2, 36\})$	36
36	$\mathcal{O}(0; \{4^3, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{3, 4, 6, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{3^2, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{2, 6, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{2^2, 3^2, 4, 18, 36\})$	48

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^3, 4, 6, 18, 36\})$	24
36	$\mathcal{O}(0; \{4^3, 6, 18, 36\})$	96
36	$\mathcal{O}(0; \{3, 4, 6^2, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^3, 3, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{3, 4^2, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3^2, 6, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{2, 6^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 4, 12^2, 18, 36\})$	192
36	$\mathcal{O}(0; \{2, 4, 9, 18^2, 36\})$	324
36	$\mathcal{O}(0; \{2^3, 3, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{3, 4^2, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3^2, 6, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 6^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 4, 9, 12, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 3, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{3^2, 4, 36^3\})$	576
36	$\mathcal{O}(0; \{2, 4, 6, 36^3\})$	288
36	$\mathcal{O}(0; \{2, 3, 12, 36^3\})$	576
37	$\mathcal{O}(1; \{37^3\})$	1724940
38	$\mathcal{O}(1; \{19^3\})$	331398
38	$\mathcal{O}(0; \{2^4, 19^3\})$	306
38	$\mathcal{O}(0; \{2^2, 19^2, 38^2\})$	5526
38	$\mathcal{O}(0; \{19, 38^4\})$	99450
39	$\mathcal{O}(1; \{13^3\})$	178464
39	$\mathcal{O}(0; \{3^3, 13^3\})$	264
39	$\mathcal{O}(0; \{13^2, 39^3\})$	38280
40	$\mathcal{O}(1; \{5, 20^2\})$	28800
40	$\mathcal{O}(1; \{4, 40^2\})$	51200
40	$\mathcal{O}(0; \{2, 4, 5, 8^2, 10\})$	32
40	$\mathcal{O}(0; \{2, 4, 5^2, 8, 40\})$	96
40	$\mathcal{O}(0; \{2^2, 8, 10, 20, 40\})$	96
40	$\mathcal{O}(0; \{8, 20^3, 40\})$	1664
40	$\mathcal{O}(0; \{2^4, 4, 40^2\})$	32
40	$\mathcal{O}(0; \{2, 4^3, 40^2\})$	128
40	$\mathcal{O}(0; \{2^2, 8^2, 40^2\})$	256
40	$\mathcal{O}(0; \{2^2, 5, 20, 40^2\})$	416
40	$\mathcal{O}(0; \{10^2, 20, 40^2\})$	1632
40	$\mathcal{O}(0; \{8, 10, 40^3\})$	3328
40	$\mathcal{O}(0; \{5, 40^4\})$	13056
42	$\mathcal{O}(1; \{7^3\})$	35280
42	$\mathcal{O}(1; \{3, 21^2\})$	15876
42	$\mathcal{O}(1; \{3, 14, 42\})$	21168
42	$\mathcal{O}(0; \{2, 3, 6, 7^3\})$	60

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2, 3^2, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{2^2, 6, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{6, 14^3, 21\})$	372
42	$\mathcal{O}(0; \{2^4, 3, 21^2\})$	12
42	$\mathcal{O}(0; \{2, 3^2, 6, 21^2\})$	60
42	$\mathcal{O}(0; \{2^2, 6^2, 21^2\})$	36
42	$\mathcal{O}(0; \{2^4, 3, 14, 42\})$	12
42	$\mathcal{O}(0; \{3^4, 14, 42\})$	60
42	$\mathcal{O}(0; \{2, 3^2, 6, 14, 42\})$	36
42	$\mathcal{O}(0; \{2^2, 6^2, 14, 42\})$	12
42	$\mathcal{O}(0; \{7^2, 14, 21, 42\})$	2220
42	$\mathcal{O}(0; \{6, 7, 21^2, 42\})$	1116
42	$\mathcal{O}(0; \{6, 7, 14, 42^2\})$	372
42	$\mathcal{O}(0; \{2^2, 3, 21, 42^2\})$	180
42	$\mathcal{O}(0; \{6^2, 21, 42^2\})$	300
42	$\mathcal{O}(0; \{3, 42^4\})$	1860
44	$\mathcal{O}(1; \{2, 44^2\})$	38720
44	$\mathcal{O}(0; \{4, 11^3, 44\})$	1820
44	$\mathcal{O}(0; \{2^5, 44^2\})$	20
44	$\mathcal{O}(0; \{2^2, 4^2, 44^2\})$	80
45	$\mathcal{O}(1; \{5^3\})$	21600
45	$\mathcal{O}(1; \{3, 5, 15\})$	14400
45	$\mathcal{O}(0; \{5, 9^3, 15\})$	144
45	$\mathcal{O}(0; \{5^2, 9, 15, 45\})$	624
45	$\mathcal{O}(0; \{3, 9, 15^2, 45\})$	576
45	$\mathcal{O}(0; \{3, 9^2, 45^2\})$	1296
45	$\mathcal{O}(0; \{3, 5, 45^3\})$	1872
46	$\mathcal{O}(0; \{2, 23^3, 46\})$	10186
48	$\mathcal{O}(1; \{2, 8^2\})$	6144
48	$\mathcal{O}(0; \{3, 6, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{3, 4, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2, 12, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2^2, 3^2, 16, 48\})$	16
48	$\mathcal{O}(0; \{2^3, 6, 16, 48\})$	16
48	$\mathcal{O}(0; \{4^2, 6, 16, 48\})$	64
48	$\mathcal{O}(0; \{3, 6^2, 16, 48\})$	48
48	$\mathcal{O}(0; \{3, 4, 12, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 12^2, 16, 48\})$	64
48	$\mathcal{O}(0; \{2, 8, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{3, 4, 8, 48^2\})$	128
48	$\mathcal{O}(0; \{2, 8, 12, 48^2\})$	128
48	$\mathcal{O}(0; \{3^2, 24, 48^2\})$	320
48	$\mathcal{O}(0; \{2, 6, 24, 48^2\})$	192

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
50	$\mathcal{O}(0; \{2, 5, 10, 50^2\})$	320
52	$\mathcal{O}(0; \{2, 4, 13^2, 52\})$	264
54	$\mathcal{O}(2; \emptyset)$	7873200
54	$\mathcal{O}(1; \{2^4\})$	2592
54	$\mathcal{O}(1; \{3^3\})$	3888
54	$\mathcal{O}(1; \{2, 3, 6\})$	5184
54	$\mathcal{O}(0; \{2, 3, 9, 27, 54\})$	216
55	$\mathcal{O}(1; \{55^2\})$	121000
56	$\mathcal{O}(1; \{28^2\})$	28224
56	$\mathcal{O}(0; \{2^2, 28, 56^2\})$	240
56	$\mathcal{O}(0; \{56^4\})$	11904
57	$\mathcal{O}(1; \{19^2\})$	51984
57	$\mathcal{O}(0; \{3^3, 19^2\})$	36
57	$\mathcal{O}(0; \{19, 57^3\})$	11052
60	$\mathcal{O}(1; \{10^2\})$	9600
60	$\mathcal{O}(0; \{2, 3, 4, 15, 20\})$	16
60	$\mathcal{O}(0; \{2^2, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{15, 20^2, 30\})$	208
60	$\mathcal{O}(0; \{12, 20, 30^2\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 10, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{15^2, 20, 60\})$	208
60	$\mathcal{O}(0; \{12, 20^2, 60\})$	192
60	$\mathcal{O}(0; \{12, 15, 30, 60\})$	144
60	$\mathcal{O}(0; \{10, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{2, 3^2, 60^2\})$	48
60	$\mathcal{O}(0; \{2^2, 6, 60^2\})$	16
60	$\mathcal{O}(0; \{12^2, 60^2\})$	192
60	$\mathcal{O}(0; \{10, 15, 60^2\})$	208
63	$\mathcal{O}(1; \{7^2\})$	21168
63	$\mathcal{O}(0; \{9^2, 21, 63\})$	216
63	$\mathcal{O}(0; \{7, 9, 63^2\})$	540
64	$\mathcal{O}(0; \{4, 32, 64^2\})$	1024
66	$\mathcal{O}(0; \{6, 11^2, 66\})$	180
66	$\mathcal{O}(0; \{2^2, 3, 66^2\})$	20
66	$\mathcal{O}(0; \{6^2, 66^2\})$	60
69	$\mathcal{O}(0; \{3, 23^2, 69\})$	924
70	$\mathcal{O}(0; \{5, 7, 10, 70\})$	72
72	$\mathcal{O}(1; \{4^2\})$	6912
72	$\mathcal{O}(0; \{4, 8, 9, 72\})$	48
72	$\mathcal{O}(0; \{3, 9, 24, 72\})$	96
72	$\mathcal{O}(0; \{3, 8, 36, 72\})$	96
74	$\mathcal{O}(0; \{2^3, 37, 74\})$	36

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Table 5 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
74	$\mathcal{O}(0; \{2, 74^3\})$	1260
75	$\mathcal{O}(0; \{3, 5, 75^2\})$	160
76	$\mathcal{O}(0; \{4^2, 19, 38\})$	36
76	$\mathcal{O}(0; \{2, 19, 76^2\})$	612
78	$\mathcal{O}(0; \{3, 6, 13, 26\})$	24
78	$\mathcal{O}(0; \{2, 13, 39, 78\})$	264
80	$\mathcal{O}(0; \{2, 8, 80^2\})$	128
81	$\mathcal{O}(1; \{3^2\})$	11664
84	$\mathcal{O}(0; \{3^2, 28, 84\})$	24
84	$\mathcal{O}(0; \{2, 6, 28, 84\})$	24
88	$\mathcal{O}(0; \{2, 4, 88^2\})$	80
96	$\mathcal{O}(0; \{2, 3, 32, 96\})$	32
108	$\mathcal{O}(1; \{2^2\})$	7776
110	$\mathcal{O}(0; \{2^2, 110^2\})$	40
111	$\mathcal{O}(0; \{111^3\})$	2520
112	$\mathcal{O}(0; \{56, 112^2\})$	960
114	$\mathcal{O}(0; \{38, 57, 114\})$	612
115	$\mathcal{O}(0; \{23, 115^2\})$	1848
120	$\mathcal{O}(0; \{24, 30, 40\})$	32
120	$\mathcal{O}(0; \{20, 24, 120\})$	64
120	$\mathcal{O}(0; \{15, 40, 120\})$	96
120	$\mathcal{O}(0; \{12, 120^2\})$	64
121	$\mathcal{O}(0; \{11, 121^2\})$	1100
126	$\mathcal{O}(0; \{14, 18, 63\})$	36
126	$\mathcal{O}(0; \{9, 42, 126\})$	72
132	$\mathcal{O}(0; \{11, 12, 132\})$	40
132	$\mathcal{O}(0; \{6, 132^2\})$	40
138	$\mathcal{O}(0; \{6, 23, 138\})$	44
148	$\mathcal{O}(0; \{4, 74, 148\})$	72
165	$\mathcal{O}(0; \{3, 165^2\})$	80
168	$\mathcal{O}(0; \{3, 56, 168\})$	48
220	$\mathcal{O}(0; \{2, 220^2\})$	80
222	$\mathcal{O}(0; \{2, 111, 222\})$	72

Table 6: 56-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(56; \emptyset)$	1
2	$\mathcal{O}(28; \{2^2\})$	72057594037927936
2	$\mathcal{O}(27; \{2^6\})$	18014398509481984
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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(26; \{2^{10}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{14}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{18}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{22}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{26}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{30}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{34}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{38}\})$	274877906944
2	$\mathcal{O}(18; \{2^{42}\})$	68719476736
2	$\mathcal{O}(17; \{2^{46}\})$	17179869184
2	$\mathcal{O}(16; \{2^{50}\})$	4294967296
2	$\mathcal{O}(15; \{2^{54}\})$	1073741824
2	$\mathcal{O}(14; \{2^{58}\})$	268435456
2	$\mathcal{O}(13; \{2^{62}\})$	67108864
2	$\mathcal{O}(12; \{2^{66}\})$	16777216
2	$\mathcal{O}(11; \{2^{70}\})$	4194304
2	$\mathcal{O}(10; \{2^{74}\})$	1048576
2	$\mathcal{O}(9; \{2^{78}\})$	262144
2	$\mathcal{O}(8; \{2^{82}\})$	65536
2	$\mathcal{O}(7; \{2^{86}\})$	16384
2	$\mathcal{O}(6; \{2^{90}\})$	4096
2	$\mathcal{O}(5; \{2^{94}\})$	1024
2	$\mathcal{O}(4; \{2^{98}\})$	256
2	$\mathcal{O}(3; \{2^{102}\})$	64
2	$\mathcal{O}(2; \{2^{106}\})$	16
2	$\mathcal{O}(1; \{2^{110}\})$	4
2	$\mathcal{O}(0; \{2^{114}\})$	1
3	$\mathcal{O}(18; \{3^4\})$	900567811781994726
3	$\mathcal{O}(17; \{3^7\})$	700441631385995898
3	$\mathcal{O}(16; \{3^{10}\})$	633732904587329622
3	$\mathcal{O}(15; \{3^{13}\})$	562082790618391770
3	$\mathcal{O}(14; \{3^{16}\})$	499766407971078006
3	$\mathcal{O}(13; \{3^{19}\})$	444221555890432698
3	$\mathcal{O}(12; \{3^{22}\})$	394865299813159062
3	$\mathcal{O}(11; \{3^{25}\})$	350991189325339290
3	$\mathcal{O}(10; \{3^{28}\})$	311992189209896886
3	$\mathcal{O}(9; \{3^{31}\})$	277326388084274298
3	$\mathcal{O}(8; \{3^{34}\})$	246512345222079702
3	$\mathcal{O}(7; \{3^{37}\})$	219122084613150810
3	$\mathcal{O}(6; \{3^{40}\})$	194775186325989366
3	$\mathcal{O}(5; \{3^{43}\})$	173133498956080698
3	$\mathcal{O}(4; \{3^{46}\})$	153896443516555542
3	$\mathcal{O}(3; \{3^{49}\})$	136796838681378330

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(2; \{3^{52}\})$	121597189939003446
3	$\mathcal{O}(1; \{3^{55}\})$	108086391056891898
3	$\mathcal{O}(0; \{3^{58}\})$	96076792050570582
4	$\mathcal{O}(14; \{4^2\})$	144115188075855872
4	$\mathcal{O}(13; \{2^4, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2, 4^4\})$	36028797018963968
4	$\mathcal{O}(12; \{2^8, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^5, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^2, 4^6\})$	9007199254740992
4	$\mathcal{O}(11; \{2^{12}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^9, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^6, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^3, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{4^{10}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{16}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{13}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{10}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^7, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^4, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{20}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{17}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{14}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{11}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^8, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^5, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^2, 4^{14}\})$	562949953421312
4	$\mathcal{O}(8; \{2^{24}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{21}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{18}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{15}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{12}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^9, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^6, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^3, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{4^{18}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{28}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{25}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{22}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{19}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{16}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{13}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{10}, 4^{14}\})$	2199023255552

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$O(7; \{2^7, 4^{16}\})$	8796093022208
4	$O(7; \{2^4, 4^{18}\})$	35184372088832
4	$O(7; \{2, 4^{20}\})$	140737488355328
4	$O(6; \{2^{32}, 4^2\})$	33554432
4	$O(6; \{2^{29}, 4^4\})$	134217728
4	$O(6; \{2^{26}, 4^6\})$	536870912
4	$O(6; \{2^{23}, 4^8\})$	2147483648
4	$O(6; \{2^{20}, 4^{10}\})$	8589934592
4	$O(6; \{2^{17}, 4^{12}\})$	34359738368
4	$O(6; \{2^{14}, 4^{14}\})$	137438953472
4	$O(6; \{2^{11}, 4^{16}\})$	549755813888
4	$O(6; \{2^8, 4^{18}\})$	2199023255552
4	$O(6; \{2^5, 4^{20}\})$	8796093022208
4	$O(6; \{2^2, 4^{22}\})$	35184372088832
4	$O(5; \{2^{36}, 4^2\})$	2097152
4	$O(5; \{2^{33}, 4^4\})$	8388608
4	$O(5; \{2^{30}, 4^6\})$	33554432
4	$O(5; \{2^{27}, 4^8\})$	134217728
4	$O(5; \{2^{24}, 4^{10}\})$	536870912
4	$O(5; \{2^{21}, 4^{12}\})$	2147483648
4	$O(5; \{2^{18}, 4^{14}\})$	8589934592
4	$O(5; \{2^{15}, 4^{16}\})$	34359738368
4	$O(5; \{2^{12}, 4^{18}\})$	137438953472
4	$O(5; \{2^9, 4^{20}\})$	549755813888
4	$O(5; \{2^6, 4^{22}\})$	2199023255552
4	$O(5; \{2^3, 4^{24}\})$	8796093022208
4	$O(5; \{4^{26}\})$	35184372088832
4	$O(4; \{2^{40}, 4^2\})$	131072
4	$O(4; \{2^{37}, 4^4\})$	524288
4	$O(4; \{2^{34}, 4^6\})$	2097152
4	$O(4; \{2^{31}, 4^8\})$	8388608
4	$O(4; \{2^{28}, 4^{10}\})$	33554432
4	$O(4; \{2^{25}, 4^{12}\})$	134217728
4	$O(4; \{2^{22}, 4^{14}\})$	536870912
4	$O(4; \{2^{19}, 4^{16}\})$	2147483648
4	$O(4; \{2^{16}, 4^{18}\})$	8589934592
4	$O(4; \{2^{13}, 4^{20}\})$	34359738368
4	$O(4; \{2^{10}, 4^{22}\})$	137438953472
4	$O(4; \{2^7, 4^{24}\})$	549755813888
4	$O(4; \{2^4, 4^{26}\})$	2199023255552
4	$O(4; \{2, 4^{28}\})$	8796093022208
4	$O(3; \{2^{44}, 4^2\})$	8192
4	$O(3; \{2^{41}, 4^4\})$	32768

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{38}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{35}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{32}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{29}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{26}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{23}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{20}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{17}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{14}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{11}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^8, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^5, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^2, 4^{30}\})$	2199023255552
4	$\mathcal{O}(2; \{2^{48}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{45}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{42}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{39}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{36}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{33}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{30}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{27}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{24}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{21}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{18}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{15}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{12}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^9, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^6, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^3, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{4^{34}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{52}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{49}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{46}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{43}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{40}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{37}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{34}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{31}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{28}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{25}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{22}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{19}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{16}, 4^{26}\})$	536870912

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{13}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{10}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^7, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^4, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2, 4^{36}\})$	549755813888
4	$\mathcal{O}(0; \{2^{56}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{53}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{50}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{47}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{44}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{41}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{38}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{35}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{32}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{29}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{26}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{23}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{20}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{17}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{14}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{11}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^8, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^5, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^2, 4^{38}\})$	137438953472
5	$\mathcal{O}(12; \emptyset)$	59604644775390624
5	$\mathcal{O}(10; \{5^5\})$	19454956054687500
5	$\mathcal{O}(8; \{5^{10}\})$	32000122070312500
5	$\mathcal{O}(6; \{5^{15}\})$	52428799804687500
5	$\mathcal{O}(4; \{5^{20}\})$	85899345920312500
5	$\mathcal{O}(2; \{5^{25}\})$	140737488355327500
5	$\mathcal{O}(0; \{5^{30}\})$	230584300921369396
6	$\mathcal{O}(9; \{2^2, 3^2\})$	203119913336832
6	$\mathcal{O}(9; \{3, 6^2\})$	203119913336832
6	$\mathcal{O}(8; \{2^6, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^2, 3^5\})$	28211099074560
6	$\mathcal{O}(8; \{2^3, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2^4, 3, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{3^4, 6^2\})$	62064417964032
6	$\mathcal{O}(8; \{2, 3^2, 6^3\})$	28211099074560
6	$\mathcal{O}(8; \{2^2, 6^4\})$	16926659444736
6	$\mathcal{O}(7; \{2^{10}, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^6, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^2, 3^8\})$	6739318112256

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{2^7, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^3, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2^8, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^4, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{3^7, 6^2\})$	13321907896320
6	$\mathcal{O}(7; \{2^5, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2, 3^5, 6^3\})$	6739318112256
6	$\mathcal{O}(7; \{2^6, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{2^2, 3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{2^3, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(7; \{3^2, 6^6\})$	6739318112256
6	$\mathcal{O}(7; \{2, 6^7\})$	3291294892032
6	$\mathcal{O}(6; \{2^{14}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{10}, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^6, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{2^{11}, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^7, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^3, 3^9, 6\})$	744459558912
6	$\mathcal{O}(6; \{2^{12}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^8, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^4, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{3^{10}, 6^2\})$	2973484670976
6	$\mathcal{O}(6; \{2^9, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^5, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2, 3^8, 6^3\})$	1484565553152
6	$\mathcal{O}(6; \{2^{10}, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^6, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{2^7, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2^3, 3^4, 6^5\})$	370052997120
6	$\mathcal{O}(6; \{2^4, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{3^5, 6^6\})$	1484565553152
6	$\mathcal{O}(6; \{2^5, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{2, 3^3, 6^7\})$	744459558912
6	$\mathcal{O}(6; \{2^2, 3, 6^8\})$	370052997120
6	$\mathcal{O}(6; \{6^{10}\})$	744459558912
6	$\mathcal{O}(5; \{2^{18}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{14}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^{10}, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^{14}\})$	330266253312
6	$\mathcal{O}(5; \{2^{15}, 3^3, 6\})$	362797056

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{11}, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2^{16}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{12}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^8, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{3^{13}, 6^2\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^9, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^5, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^{11}, 6^3\})$	330266253312
6	$\mathcal{O}(5; \{2^{14}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^{10}, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^6, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{2^{11}, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^7, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2^8, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{3^8, 6^6\})$	330266253312
6	$\mathcal{O}(5; \{2^9, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^5, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^6, 6^7\})$	165072660480
6	$\mathcal{O}(5; \{2^6, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{2^3, 3^2, 6^9\})$	41237932032
6	$\mathcal{O}(5; \{2^4, 6^{10}\})$	20679432192
6	$\mathcal{O}(5; \{3^3, 6^{10}\})$	165072660480
6	$\mathcal{O}(5; \{2, 3, 6^{11}\})$	82596796416
6	$\mathcal{O}(4; \{2^{22}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{18}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{14}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^{10}, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3^{17}\})$	73382423040
6	$\mathcal{O}(4; \{2^{19}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{15}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^{11}, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2^{20}, 3, 6^2\})$	3359232

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{16}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{12}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^8, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{3^{16}, 6^2\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{13}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^9, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^{14}, 6^3\})$	73382423040
6	$\mathcal{O}(4; \{2^{18}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{14}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^{10}, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{2^{15}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^{11}, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^{10}, 6^5\})$	18344765952
6	$\mathcal{O}(4; \{2^{12}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^8, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{3^{11}, 6^6\})$	73382423040
6	$\mathcal{O}(4; \{2^{13}, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^9, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^5, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^9, 6^7\})$	36692891136
6	$\mathcal{O}(4; \{2^{10}, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^6, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{2^7, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2^8, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{3^6, 6^{10}\})$	36692891136
6	$\mathcal{O}(4; \{2^5, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{2, 3^4, 6^{11}\})$	18344765952
6	$\mathcal{O}(4; \{2^2, 3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{2^3, 6^{13}\})$	4585351680
6	$\mathcal{O}(4; \{3, 6^{14}\})$	18344765952
6	$\mathcal{O}(3; \{2^{26}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{22}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{18}, 3^8\})$	4012416

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{14}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{10}, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^{20}\})$	16307485056
6	$\mathcal{O}(3; \{2^{23}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{19}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{15}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^{11}, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^{18}, 6\})$	8153695872
6	$\mathcal{O}(3; \{2^{24}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{20}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{16}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{12}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{3^{19}, 6^2\})$	32614876800
6	$\mathcal{O}(3; \{2^{21}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{17}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{13}, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^{17}, 6^3\})$	16307485056
6	$\mathcal{O}(3; \{2^{22}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{18}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{14}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^{15}, 6^4\})$	8153695872
6	$\mathcal{O}(3; \{2^{19}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{15}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^{11}, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{12}, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{3^{14}, 6^6\})$	16307485056
6	$\mathcal{O}(3; \{2^{17}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^9, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^9, 6^7\})$	1019246976

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2, 3^{12}, 6^7\})$	8153695872
6	$\mathcal{O}(3; \{2^{14}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^7, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^8, 6^9\})$	2038400640
6	$\mathcal{O}(3; \{2^{12}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^8, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{3^9, 6^{10}\})$	8153695872
6	$\mathcal{O}(3; \{2^9, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^5, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2, 3^7, 6^{11}\})$	4076894592
6	$\mathcal{O}(3; \{2^6, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{2^7, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2^4, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{3^4, 6^{14}\})$	4076894592
6	$\mathcal{O}(3; \{2, 3^2, 6^{15}\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 6^{16}\})$	1019246976
6	$\mathcal{O}(2; \{2^{30}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{26}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{22}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{18}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{14}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{10}, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^6, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3^{23}\})$	3623877792
6	$\mathcal{O}(2; \{2^{27}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{23}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{19}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{15}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^{11}, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2^{28}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{24}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{20}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{16}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^{13}, 6^2\})$	14154912

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$O(2; \{2^8, 3^{16}, 6^2\})$	113247072
6	$O(2; \{2^4, 3^{19}, 6^2\})$	905968800
6	$O(2; \{3^{22}, 6^2\})$	7247758176
6	$O(2; \{2^{25}, 3^2, 6^3\})$	12960
6	$O(2; \{2^{21}, 3^5, 6^3\})$	111456
6	$O(2; \{2^{17}, 3^8, 6^3\})$	883872
6	$O(2; \{2^{13}, 3^{11}, 6^3\})$	7078752
6	$O(2; \{2^9, 3^{14}, 6^3\})$	56622240
6	$O(2; \{2^5, 3^{17}, 6^3\})$	452985696
6	$O(2; \{2, 3^{20}, 6^3\})$	3623877792
6	$O(2; \{2^{26}, 6^4\})$	7776
6	$O(2; \{2^{22}, 3^3, 6^4\})$	54432
6	$O(2; \{2^{18}, 3^6, 6^4\})$	443232
6	$O(2; \{2^{14}, 3^9, 6^4\})$	3538080
6	$O(2; \{2^{10}, 3^{12}, 6^4\})$	28312416
6	$O(2; \{2^6, 3^{15}, 6^4\})$	226491552
6	$O(2; \{2^2, 3^{18}, 6^4\})$	1811940192
6	$O(2; \{2^{23}, 3, 6^5\})$	28512
6	$O(2; \{2^{19}, 3^4, 6^5\})$	220320
6	$O(2; \{2^{15}, 3^7, 6^5\})$	1770336
6	$O(2; \{2^{11}, 3^{10}, 6^5\})$	14154912
6	$O(2; \{2^7, 3^{13}, 6^5\})$	113247072
6	$O(2; \{2^3, 3^{16}, 6^5\})$	905968800
6	$O(2; \{2^{20}, 3^2, 6^6\})$	111456
6	$O(2; \{2^{16}, 3^5, 6^6\})$	883872
6	$O(2; \{2^{12}, 3^8, 6^6\})$	7078752
6	$O(2; \{2^8, 3^{11}, 6^6\})$	56622240
6	$O(2; \{2^4, 3^{14}, 6^6\})$	452985696
6	$O(2; \{3^{17}, 6^6\})$	3623877792
6	$O(2; \{2^{21}, 6^7\})$	54432
6	$O(2; \{2^{17}, 3^3, 6^7\})$	443232
6	$O(2; \{2^{13}, 3^6, 6^7\})$	3538080
6	$O(2; \{2^9, 3^9, 6^7\})$	28312416
6	$O(2; \{2^5, 3^{12}, 6^7\})$	226491552
6	$O(2; \{2, 3^{15}, 6^7\})$	1811940192
6	$O(2; \{2^{18}, 3, 6^8\})$	220320
6	$O(2; \{2^{14}, 3^4, 6^8\})$	1770336
6	$O(2; \{2^{10}, 3^7, 6^8\})$	14154912
6	$O(2; \{2^6, 3^{10}, 6^8\})$	113247072
6	$O(2; \{2^2, 3^{13}, 6^8\})$	905968800
6	$O(2; \{2^{15}, 3^2, 6^9\})$	883872
6	$O(2; \{2^{11}, 3^5, 6^9\})$	7078752
6	$O(2; \{2^7, 3^8, 6^9\})$	56622240

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^3, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2^{16}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{12}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^8, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{3^{12}, 6^{10}\})$	1811940192
6	$\mathcal{O}(2; \{2^{13}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^9, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2, 3^{10}, 6^{11}\})$	905968800
6	$\mathcal{O}(2; \{2^{10}, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{2^{11}, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^7, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2^8, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{3^7, 6^{14}\})$	905968800
6	$\mathcal{O}(2; \{2^5, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2, 3^5, 6^{15}\})$	452985696
6	$\mathcal{O}(2; \{2^6, 6^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(2; \{3^2, 6^{18}\})$	452985696
6	$\mathcal{O}(2; \{2, 6^{19}\})$	226491552
6	$\mathcal{O}(1; \{2^{34}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{30}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{26}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{22}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{18}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{14}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{10}, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^{26}\})$	805306392
6	$\mathcal{O}(1; \{2^{31}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{27}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{23}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{19}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^{11}, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^{24}, 6\})$	402653160

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{32}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{28}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{24}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{20}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{3^{25}, 6^2\})$	1610612712
6	$\mathcal{O}(1; \{2^{29}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{25}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{21}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2, 3^{23}, 6^3\})$	805306392
6	$\mathcal{O}(1; \{2^{30}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{26}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{22}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{18}, 6^4\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{2^{27}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{23}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{19}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2^{24}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{20}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{3^{20}, 6^6\})$	805306392
6	$\mathcal{O}(1; \{2^{25}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{21}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{17}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^9, 6^7\})$	786456

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^9, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{15}, 6^7\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{18}, 6^7\})$	402653160
6	$\mathcal{O}(1; \{2^{22}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{18}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^{11}, 6^9\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{14}, 6^9\})$	100663272
6	$\mathcal{O}(1; \{2^{20}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{16}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{3^{15}, 6^{10}\})$	402653160
6	$\mathcal{O}(1; \{2^{17}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{13}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{13}, 6^{11}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{2^{15}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2^{12}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{3^{10}, 6^{14}\})$	201326616
6	$\mathcal{O}(1; \{2^9, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^8, 6^{15}\})$	100663272
6	$\mathcal{O}(1; \{2^{10}, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{16}\})$	50331672

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^7, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{3^5, 6^{18}\})$	100663272
6	$\mathcal{O}(1; \{2^5, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{2, 3^3, 6^{19}\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3, 6^{20}\})$	25165800
6	$\mathcal{O}(1; \{6^{22}\})$	50331672
6	$\mathcal{O}(0; \{2^{38}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{34}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{30}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{26}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{22}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{18}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{14}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{10}, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^6, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^2, 3^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{35}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{31}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{27}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{23}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{19}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{15}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^{11}, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^7, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2^{36}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{32}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{28}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{24}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{3^{28}, 6^2\})$	357913942
6	$\mathcal{O}(0; \{2^{33}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{29}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{25}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{13}, 3^{17}, 6^3\})$	349526

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{26}, 6^3\})$	178956970
6	$\mathcal{O}(0; \{2^{34}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{30}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{26}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{2^{31}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{27}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{23}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2^{28}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{24}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{3^{23}, 6^6\})$	178956970
6	$\mathcal{O}(0; \{2^{29}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{25}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{21}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{21}, 6^7\})$	89478486
6	$\mathcal{O}(0; \{2^{26}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{22}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{19}, 6^8\})$	44739242

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{23}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2^{24}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{20}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{3^{18}, 6^{10}\})$	89478486
6	$\mathcal{O}(0; \{2^{21}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{16}, 6^{11}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{2^{19}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2^{16}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{3^{13}, 6^{14}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^{11}, 6^{15}\})$	22369622
6	$\mathcal{O}(0; \{2^{14}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^9, 6^{16}\})$	11184810
6	$\mathcal{O}(0; \{2^{11}, 3, 6^{17}\})$	87382

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^7, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2^8, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{3^8, 6^{18}\})$	22369622
6	$\mathcal{O}(0; \{2^9, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^6, 6^{19}\})$	11184810
6	$\mathcal{O}(0; \{2^6, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2^4, 6^{22}\})$	1398102
6	$\mathcal{O}(0; \{3^3, 6^{22}\})$	11184810
6	$\mathcal{O}(0; \{2, 3, 6^{23}\})$	5592406
7	$\mathcal{O}(8; \{7^2\})$	199397583417606
7	$\mathcal{O}(5; \{7^9\})$	406671141727830
7	$\mathcal{O}(2; \{7^{16}\})$	967640698259466
8	$\mathcal{O}(7; \{8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^4, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(5; \{2^8, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^5, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^2, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2^3, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^{12}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^9, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^6, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^3, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^7, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^4, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^5, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^2, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{4, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^{16}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{13}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{10}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^7, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^4, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2, 4^{10}, 8^2\})$	1073741824

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$O(3; \{2^{11}, 4, 8^4\})$	33554432
8	$O(3; \{2^8, 4^3, 8^4\})$	134217728
8	$O(3; \{2^5, 4^5, 8^4\})$	536870912
8	$O(3; \{2^2, 4^7, 8^4\})$	2147483648
8	$O(3; \{2^9, 8^6\})$	268435456
8	$O(3; \{2^6, 4^2, 8^6\})$	1073741824
8	$O(3; \{2^3, 4^4, 8^6\})$	4294967296
8	$O(3; \{4^6, 8^6\})$	17179869184
8	$O(3; \{2^4, 4, 8^8\})$	8589934592
8	$O(3; \{2, 4^3, 8^8\})$	34359738368
8	$O(3; \{2^2, 8^{10}\})$	68719476736
8	$O(2; \{2^{20}, 8^2\})$	16384
8	$O(2; \{2^{17}, 4^2, 8^2\})$	65536
8	$O(2; \{2^{14}, 4^4, 8^2\})$	262144
8	$O(2; \{2^{11}, 4^6, 8^2\})$	1048576
8	$O(2; \{2^8, 4^8, 8^2\})$	4194304
8	$O(2; \{2^5, 4^{10}, 8^2\})$	16777216
8	$O(2; \{2^2, 4^{12}, 8^2\})$	67108864
8	$O(2; \{2^{15}, 4, 8^4\})$	524288
8	$O(2; \{2^{12}, 4^3, 8^4\})$	2097152
8	$O(2; \{2^9, 4^5, 8^4\})$	8388608
8	$O(2; \{2^6, 4^7, 8^4\})$	33554432
8	$O(2; \{2^3, 4^9, 8^4\})$	134217728
8	$O(2; \{4^{11}, 8^4\})$	536870912
8	$O(2; \{2^{13}, 8^6\})$	4194304
8	$O(2; \{2^{10}, 4^2, 8^6\})$	16777216
8	$O(2; \{2^7, 4^4, 8^6\})$	67108864
8	$O(2; \{2^4, 4^6, 8^6\})$	268435456
8	$O(2; \{2, 4^8, 8^6\})$	1073741824
8	$O(2; \{2^8, 4, 8^8\})$	134217728
8	$O(2; \{2^5, 4^3, 8^8\})$	536870912
8	$O(2; \{2^2, 4^5, 8^8\})$	2147483648
8	$O(2; \{2^6, 8^{10}\})$	1073741824
8	$O(2; \{2^3, 4^2, 8^{10}\})$	4294967296
8	$O(2; \{4^4, 8^{10}\})$	17179869184
8	$O(2; \{2, 4, 8^{12}\})$	34359738368
8	$O(1; \{2^{24}, 8^2\})$	256
8	$O(1; \{2^{21}, 4^2, 8^2\})$	1024
8	$O(1; \{2^{18}, 4^4, 8^2\})$	4096
8	$O(1; \{2^{15}, 4^6, 8^2\})$	16384
8	$O(1; \{2^{12}, 4^8, 8^2\})$	65536
8	$O(1; \{2^9, 4^{10}, 8^2\})$	262144
8	$O(1; \{2^6, 4^{12}, 8^2\})$	1048576

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^3, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{19}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{16}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{13}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{10}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^7, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^4, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{17}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{14}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{11}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^8, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^5, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^2, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2^{12}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^9, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^6, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^3, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{10}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^7, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^4, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^5, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^2, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2^3, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^{28}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{25}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{22}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{19}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{16}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{13}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{10}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^7, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^4, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{23}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{20}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{17}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{14}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{11}, 4^9, 8^4\})$	32768

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^8, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^5, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^2, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2^{21}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{18}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{15}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{12}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^9, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^6, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^3, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{16}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{13}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{10}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^7, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^4, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{14}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{11}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^8, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^5, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^2, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^9, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^6, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^3, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^7, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^4, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^2, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{8^{18}\})$	17179869184
9	$\mathcal{O}(5; \{3, 9^4\})$	1129718145924
9	$\mathcal{O}(4; \{3^4, 9^4\})$	111577100832
9	$\mathcal{O}(4; \{9^7\})$	1318004503578
9	$\mathcal{O}(3; \{3^7, 9^4\})$	11019960576
9	$\mathcal{O}(3; \{3^3, 9^7\})$	130173284304
9	$\mathcal{O}(2; \{3^{10}, 9^4\})$	1088391168
9	$\mathcal{O}(2; \{3^6, 9^7\})$	12856620672
9	$\mathcal{O}(2; \{3^2, 9^{10}\})$	176663742984
9	$\mathcal{O}(1; \{3^{13}, 9^4\})$	107495424
9	$\mathcal{O}(1; \{3^9, 9^7\})$	1269789696
9	$\mathcal{O}(1; \{3^5, 9^{10}\})$	17448270912
9	$\mathcal{O}(1; \{3, 9^{13}\})$	235035096660

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(0; \{3^{16}, 9^4\})$	10616832
9	$\mathcal{O}(0; \{3^{12}, 9^7\})$	125411328
9	$\mathcal{O}(0; \{3^8, 9^{10}\})$	1723286016
9	$\mathcal{O}(0; \{3^4, 9^{13}\})$	23213342880
9	$\mathcal{O}(0; \{9^{16}\})$	313466222322
10	$\mathcal{O}(6; \{2^2\})$	999999995904
10	$\mathcal{O}(5; \{2^6\})$	9999998976
10	$\mathcal{O}(5; \{2, 5^2, 10\})$	120000000000
10	$\mathcal{O}(4; \{2^{10}\})$	99999744
10	$\mathcal{O}(4; \{2^2, 5^5\})$	20400000000
10	$\mathcal{O}(4; \{2^5, 5^2, 10\})$	1200000000
10	$\mathcal{O}(4; \{5^4, 10^2\})$	82000000000
10	$\mathcal{O}(4; \{2^3, 5, 10^3\})$	5200000000
10	$\mathcal{O}(4; \{2, 10^5\})$	20400000000
10	$\mathcal{O}(3; \{2^{14}\})$	999936
10	$\mathcal{O}(3; \{2^6, 5^5\})$	204000000
10	$\mathcal{O}(3; \{2^9, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{2, 5^7, 10\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 5^4, 10^2\})$	820000000
10	$\mathcal{O}(3; \{2^7, 5, 10^3\})$	52000000
10	$\mathcal{O}(3; \{2^2, 5^3, 10^4\})$	3276000000
10	$\mathcal{O}(3; \{2^5, 10^5\})$	204000000
10	$\mathcal{O}(3; \{5^2, 10^6\})$	13108000000
10	$\mathcal{O}(2; \{2^{18}\})$	9984
10	$\mathcal{O}(2; \{2^{10}, 5^5\})$	2040000
10	$\mathcal{O}(2; \{2^2, 5^{10}\})$	2097160000
10	$\mathcal{O}(2; \{2^{13}, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2^5, 5^7, 10\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{5^9, 10^2\})$	8388600000
10	$\mathcal{O}(2; \{2^{11}, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{2^3, 5^6, 10^3\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5^3, 10^4\})$	32760000
10	$\mathcal{O}(2; \{2^9, 10^5\})$	2040000
10	$\mathcal{O}(2; \{2, 5^5, 10^5\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 5^2, 10^6\})$	131080000
10	$\mathcal{O}(2; \{2^2, 5, 10^8\})$	524280000
10	$\mathcal{O}(2; \{10^{10}\})$	2097160000
10	$\mathcal{O}(1; \{2^{22}\})$	96
10	$\mathcal{O}(1; \{2^{14}, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^6, 5^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^{17}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^9, 5^7, 10\})$	1310800

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2, 5^{12}, 10\})$	1342177200
10	$\mathcal{O}(1; \{2^{12}, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^4, 5^9, 10^2\})$	83886000
10	$\mathcal{O}(1; \{2^{15}, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2^7, 5^6, 10^3\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^8, 10^4\})$	335544400
10	$\mathcal{O}(1; \{2^{13}, 10^5\})$	20400
10	$\mathcal{O}(1; \{2^5, 5^5, 10^5\})$	20971600
10	$\mathcal{O}(1; \{2^8, 5^2, 10^6\})$	1310800
10	$\mathcal{O}(1; \{5^7, 10^6\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^4, 10^7\})$	83886000
10	$\mathcal{O}(1; \{2^6, 5, 10^8\})$	5242800
10	$\mathcal{O}(1; \{2, 5^3, 10^9\})$	335544400
10	$\mathcal{O}(1; \{2^4, 10^{10}\})$	20971600
10	$\mathcal{O}(0; \{2^{18}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^{10}, 5^{10}\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^{15}\})$	214748364
10	$\mathcal{O}(0; \{2^{21}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^{13}, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^{12}, 10\})$	13421772
10	$\mathcal{O}(0; \{2^{16}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^8, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{5^{14}, 10^2\})$	858993460
10	$\mathcal{O}(0; \{2^{19}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^{11}, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^{11}, 10^3\})$	53687092
10	$\mathcal{O}(0; \{2^{14}, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^6, 5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^{17}, 10^5\})$	204
10	$\mathcal{O}(0; \{2^9, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2, 5^{10}, 10^5\})$	214748364
10	$\mathcal{O}(0; \{2^{12}, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^7, 10^6\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^{10}, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^6, 10^8\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5^3, 10^9\})$	3355444
10	$\mathcal{O}(0; \{2^8, 10^{10}\})$	209716
10	$\mathcal{O}(0; \{5^5, 10^{10}\})$	214748364
10	$\mathcal{O}(0; \{2^3, 5^2, 10^{11}\})$	13421772
10	$\mathcal{O}(0; \{2, 5, 10^{13}\})$	53687092
11	$\mathcal{O}(6; \emptyset)$	3138428376720

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
11	$\mathcal{O}(1; \{11^{11}\})$	1099999999890
12	$\mathcal{O}(4; \{4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{3, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{3^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2, 6, 12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^2, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2^3, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{3^2, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^4, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{3^3, 4^2, 6^2\})$	59719680
12	$\mathcal{O}(3; \{2, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{2^3, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{3^3, 4^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{3^4, 4, 6, 12\})$	131383296
12	$\mathcal{O}(3; \{2, 3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2, 3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2^2, 4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{2^4, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{3^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^5, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^2, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{6^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{4, 6^2, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^3, 12^4\})$	143327232
12	$\mathcal{O}(3; \{4^2, 12^4\})$	573308928
12	$\mathcal{O}(3; \{3, 6, 12^4\})$	525533184
12	$\mathcal{O}(2; \{2^6, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{3^4, 4^6\})$	3981312
12	$\mathcal{O}(2; \{2^7, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^4, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{3^5, 4^4, 6\})$	3649536
12	$\mathcal{O}(2; \{2, 3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^8, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 6^2\})$	414720

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$O(2; \{3^6, 4^2, 6^2\})$	3566592
12	$O(2; \{2^5, 4^4, 6^2\})$	331776
12	$O(2; \{2, 3^3, 4^4, 6^2\})$	1658880
12	$O(2; \{2^2, 4^6, 6^2\})$	1327104
12	$O(2; \{2^5, 3, 4^2, 6^3\})$	248832
12	$O(2; \{2, 3^4, 4^2, 6^3\})$	1741824
12	$O(2; \{2^2, 3, 4^4, 6^3\})$	995328
12	$O(2; \{2^2, 3^2, 4^2, 6^4\})$	912384
12	$O(2; \{2^3, 4^2, 6^5\})$	414720
12	$O(2; \{4^4, 6^5\})$	1658880
12	$O(2; \{3, 4^2, 6^6\})$	1741824
12	$O(2; \{2^7, 3^3, 4, 12\})$	248832
12	$O(2; \{2^3, 3^6, 4, 12\})$	1741824
12	$O(2; \{2^4, 3^3, 4^3, 12\})$	995328
12	$O(2; \{3^6, 4^3, 12\})$	6967296
12	$O(2; \{2, 3^3, 4^5, 12\})$	3981312
12	$O(2; \{2^8, 3, 4, 6, 12\})$	82944
12	$O(2; \{2^4, 3^4, 4, 6, 12\})$	912384
12	$O(2; \{3^7, 4, 6, 12\})$	7050240
12	$O(2; \{2^5, 3, 4^3, 6, 12\})$	331776
12	$O(2; \{2, 3^4, 4^3, 6, 12\})$	3649536
12	$O(2; \{2^2, 3, 4^5, 6, 12\})$	1327104
12	$O(2; \{2^5, 3^2, 4, 6^2, 12\})$	414720
12	$O(2; \{2, 3^5, 4, 6^2, 12\})$	3566592
12	$O(2; \{2^2, 3^2, 4^3, 6^2, 12\})$	1658880
12	$O(2; \{2^6, 4, 6^3, 12\})$	248832
12	$O(2; \{2^2, 3^3, 4, 6^3, 12\})$	1741824
12	$O(2; \{2^3, 4^3, 6^3, 12\})$	995328
12	$O(2; \{4^5, 6^3, 12\})$	3981312
12	$O(2; \{2^3, 3, 4, 6^4, 12\})$	912384
12	$O(2; \{3, 4^3, 6^4, 12\})$	3649536
12	$O(2; \{3^2, 4, 6^5, 12\})$	3566592
12	$O(2; \{2, 4, 6^6, 12\})$	1741824
12	$O(2; \{2^8, 3^2, 12^2\})$	248832
12	$O(2; \{2^4, 3^5, 12^2\})$	1741824
12	$O(2; \{3^8, 12^2\})$	14183424
12	$O(2; \{2^5, 3^2, 4^2, 12^2\})$	995328
12	$O(2; \{2, 3^5, 4^2, 12^2\})$	6967296
12	$O(2; \{2^2, 3^2, 4^4, 12^2\})$	3981312
12	$O(2; \{2^9, 6, 12^2\})$	82944
12	$O(2; \{2^5, 3^3, 6, 12^2\})$	912384
12	$O(2; \{2, 3^6, 6, 12^2\})$	7050240
12	$O(2; \{2^6, 4^2, 6, 12^2\})$	331776

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$O(2; \{2^2, 3^3, 4^2, 6, 12^2\})$	3649536
12	$O(2; \{2^3, 4^4, 6, 12^2\})$	1327104
12	$O(2; \{4^6, 6, 12^2\})$	5308416
12	$O(2; \{2^6, 3, 6^2, 12^2\})$	414720
12	$O(2; \{2^2, 3^4, 6^2, 12^2\})$	3566592
12	$O(2; \{2^3, 3, 4^2, 6^2, 12^2\})$	1658880
12	$O(2; \{3, 4^4, 6^2, 12^2\})$	6635520
12	$O(2; \{2^3, 3^2, 6^3, 12^2\})$	1741824
12	$O(2; \{3^2, 4^2, 6^3, 12^2\})$	6967296
12	$O(2; \{2^4, 6^4, 12^2\})$	912384
12	$O(2; \{3^3, 6^4, 12^2\})$	7050240
12	$O(2; \{2, 4^2, 6^4, 12^2\})$	3649536
12	$O(2; \{2, 3, 6^5, 12^2\})$	3566592
12	$O(2; \{2^6, 3, 4, 12^3\})$	995328
12	$O(2; \{2^2, 3^4, 4, 12^3\})$	6967296
12	$O(2; \{2^3, 3, 4^3, 12^3\})$	3981312
12	$O(2; \{3, 4^5, 12^3\})$	15925248
12	$O(2; \{2^3, 3^2, 4, 6, 12^3\})$	3649536
12	$O(2; \{3^2, 4^3, 6, 12^3\})$	14598144
12	$O(2; \{2^4, 4, 6^2, 12^3\})$	1658880
12	$O(2; \{3^3, 4, 6^2, 12^3\})$	14266368
12	$O(2; \{2, 4^3, 6^2, 12^3\})$	6635520
12	$O(2; \{2, 3, 4, 6^3, 12^3\})$	6967296
12	$O(2; \{2^7, 12^4\})$	995328
12	$O(2; \{2^3, 3^3, 12^4\})$	6967296
12	$O(2; \{2^4, 4^2, 12^4\})$	3981312
12	$O(2; \{3^3, 4^2, 12^4\})$	27869184
12	$O(2; \{2, 4^4, 12^4\})$	15925248
12	$O(2; \{2^4, 3, 6, 12^4\})$	3649536
12	$O(2; \{3^4, 6, 12^4\})$	28200960
12	$O(2; \{2, 3, 4^2, 6, 12^4\})$	14598144
12	$O(2; \{2, 3^2, 6^2, 12^4\})$	14266368
12	$O(2; \{2^2, 6^3, 12^4\})$	6967296
12	$O(2; \{2, 3^2, 4, 12^5\})$	27869184
12	$O(2; \{2^2, 4, 6, 12^5\})$	14598144
12	$O(2; \{2^2, 3, 12^6\})$	27869184
12	$O(2; \{6^2, 12^6\})$	57065472
12	$O(2; \{4, 12^7\})$	111476736
12	$O(1; \{2^{10}, 3^4, 4^2\})$	1728
12	$O(1; \{2^6, 3^7, 4^2\})$	12096
12	$O(1; \{2^2, 3^{10}, 4^2\})$	98496
12	$O(1; \{2^7, 3^4, 4^4\})$	6912
12	$O(1; \{2^3, 3^7, 4^4\})$	48384

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{3^7, 4^6\})$	193536
12	$\mathcal{O}(1; \{2, 3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^7, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^8, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{3^8, 4^4, 6\})$	195840
12	$\mathcal{O}(1; \{2^5, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2, 3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^{12}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{3^9, 4^2, 6^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^6, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{3, 4^8, 6^3\})$	110592
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{3^2, 4^6, 6^4\})$	101376
12	$\mathcal{O}(1; \{2^7, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{2^4, 4^4, 6^5\})$	11520
12	$\mathcal{O}(1; \{3^3, 4^4, 6^5\})$	99072
12	$\mathcal{O}(1; \{2, 4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{3^4, 4^2, 6^6\})$	98496
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^7\})$	48960

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{3^9, 4^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{2, 3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{2^{12}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^8, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^7, 4, 6, 12\})$	48960
12	$\mathcal{O}(1; \{3^{10}, 4, 6, 12\})$	393408
12	$\mathcal{O}(1; \{2^9, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^3, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{3, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{3^2, 4^7, 6^2, 12\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^7, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{2^4, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{3^3, 4^5, 6^3, 12\})$	193536
12	$\mathcal{O}(1; \{2, 4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^4, 12\})$	25344
12	$\mathcal{O}(1; \{3^4, 4^3, 6^4, 12\})$	195840
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^5, 12\})$	24768
12	$\mathcal{O}(1; \{3^5, 4, 6^5, 12\})$	196416

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^5, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2^2, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{4, 6^9, 12\})$	98496
12	$\mathcal{O}(1; \{2^{12}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^8, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 12^2\})$	110592
12	$\mathcal{O}(1; \{3^2, 4^8, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^{13}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^9, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^6, 4^2, 6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^7, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^4, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^6, 6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2, 4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{3^4, 4^4, 6^2, 12^2\})$	396288
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^5, 4^2, 6^3, 12^2\})$	393984
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^3, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^8, 6^4, 12^2\})$	6336

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^6, 6^4, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^5, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^2, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{2^5, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^4, 6^5, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^3, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{4^2, 6^7, 12^2\})$	195840
12	$\mathcal{O}(1; \{3, 6^8, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{3^4, 4^5, 12^3\})$	774144
12	$\mathcal{O}(1; \{2, 3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^5, 4^3, 6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^8, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^6, 4, 6^2, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^5, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^2, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^3, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{4^3, 6^5, 12^3\})$	396288
12	$\mathcal{O}(1; \{3, 4, 6^6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^{11}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^7, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^8, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 12^4\})$	193536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^6, 4^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^5, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^2, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{2^8, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^7, 6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2, 3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^6, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{4^4, 6^3, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^3, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{3, 4^2, 6^4, 12^4\})$	783360
12	$\mathcal{O}(1; \{3^2, 6^5, 12^4\})$	785664
12	$\mathcal{O}(1; \{2, 6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2, 3^5, 4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^6, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^3, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{4^5, 6, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{3, 4^3, 6^2, 12^5\})$	1585152
12	$\mathcal{O}(1; \{3^2, 4, 6^3, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2, 4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^6, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{3, 4^4, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{3^2, 4^2, 6, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^4, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{3^3, 6^2, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2, 4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2, 3, 6^3, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^4, 4, 12^7\})$	774144

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^3, 4, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2, 4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{2, 3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2, 3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^2, 6, 12^8\})$	3133440
12	$\mathcal{O}(1; \{12^{10}\})$	25214976
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^7, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^4, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{3^{10}, 4^6\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2, 3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^7, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^8, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^4, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{3^{11}, 4^4, 6\})$	10928
12	$\mathcal{O}(0; \{2^9, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^5, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2, 3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^6, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^2, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{3^2, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^{16}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{3^{12}, 4^2, 6^2\})$	10924
12	$\mathcal{O}(0; \{2^{13}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 6^2\})$	5456

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^7, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 6^2\})$	1280
12	$\mathcal{O}(0; \{2^4, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{3^3, 4^{10}, 6^2\})$	5120
12	$\mathcal{O}(0; \{2, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{3^4, 4^8, 6^3\})$	5376
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^4\})$	2732
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{3^5, 4^6, 6^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{2^8, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{3^6, 4^4, 6^5\})$	5456
12	$\mathcal{O}(0; \{2^5, 4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2^2, 4^8, 6^5\})$	1280
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{3^7, 4^2, 6^6\})$	5460
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^6\})$	1344

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{2^6, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^3, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{4^6, 6^8\})$	2752
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{3, 4^4, 6^9\})$	2736
12	$\mathcal{O}(0; \{3^2, 4^2, 6^{10}\})$	2732
12	$\mathcal{O}(0; \{2, 4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^8, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^4, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{3^{12}, 4^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^5, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{2, 3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2^2, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{3^3, 4^{11}, 12\})$	12288
12	$\mathcal{O}(0; \{2^{16}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{3^{13}, 4, 6, 12\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^9, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^3, 6, 12\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^6, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^3, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{2^4, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{3^4, 4^9, 6, 12\})$	11264
12	$\mathcal{O}(0; \{2, 3, 4^{11}, 6, 12\})$	4096

Continued on next page

Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 6^2, 12\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 6^2, 12\})$	320
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{3^5, 4^7, 6^2, 12\})$	11008
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 6^2, 12\})$	5120
12	$\mathcal{O}(0; \{2^{14}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{2^8, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{3^6, 4^5, 6^3, 12\})$	10944
12	$\mathcal{O}(0; \{2^5, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6^3, 12\})$	5376
12	$\mathcal{O}(0; \{2^2, 4^9, 6^3, 12\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{3^7, 4^3, 6^4, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{3^8, 4, 6^5, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^9, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^6, 12\})$	5460

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^3, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{4^7, 6^6, 12\})$	5376
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^7, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{3, 4^5, 6^7, 12\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{3^2, 4^3, 6^8, 12\})$	5456
12	$\mathcal{O}(0; \{2^4, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{3^3, 4, 6^9, 12\})$	5460
12	$\mathcal{O}(0; \{2, 4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{2, 3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{2^{16}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{12}, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^8, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^4, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{3^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{3^5, 4^8, 12^2\})$	21504
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{17}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^9, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^{12}, 6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6, 12^2\})$	5440

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^6, 4^6, 6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^5, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^7, 4^4, 6^2, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^8, 4^2, 6^3, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^3, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^9, 6^4, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^9, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^6, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^3, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{4^8, 6^4, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^9, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^5, 12^2\})$	688

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{3, 4^6, 6^5, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^2, 4^4, 6^6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^4, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^3, 4^2, 6^7, 12^2\})$	10928
12	$\mathcal{O}(0; \{2, 4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^4, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^4, 6^8, 12^2\})$	10924
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{2, 3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^2, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^7, 4^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^8, 4^3, 6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^{12}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^9, 4, 6^2, 12^3\})$	43696

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^6, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^3, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{4^9, 6^2, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{3, 4^7, 6^3, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^2, 4^5, 6^4, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^4, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^3, 4^3, 6^5, 12^3\})$	21824
12	$\mathcal{O}(0; \{2, 4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^4, 4, 6^6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^7, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^2, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^{15}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{11}, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^7, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{12}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^9, 4^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^9, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^6, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^3, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{4^{10}, 12^4\})$	49152

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^8, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^7, 6, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^{10}, 6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{3, 4^8, 6, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^9, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^5, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{3^2, 4^6, 6^2, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^6, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^6, 6^3, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^7, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^4, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{3^3, 4^4, 6^3, 12^4\})$	43776
12	$\mathcal{O}(0; \{2, 4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^7, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^4, 4^2, 6^4, 12^4\})$	43712
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^5, 6^5, 12^4\})$	43696
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^5, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^5, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2, 3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^2, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2^2, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{6^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 12^5\})$	5376

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{3^2, 4^7, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^{10}, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^7, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^4, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{3^3, 4^5, 6, 12^5\})$	87040
12	$\mathcal{O}(0; \{2, 4^7, 6, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{3^4, 4^3, 6^2, 12^5\})$	87296
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^5, 4, 6^3, 12^5\})$	87360
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^5, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^2, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{4, 6^7, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^{10}, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^6, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{3^4, 4^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2, 3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^5, 4^2, 6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^8, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^6, 6^2, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^5, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^2, 4^4, 6^2, 12^6\})$	44032

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2, 3^4, 6^3, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^3, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{4^2, 6^5, 12^6\})$	87296
12	$\mathcal{O}(0; \{3, 6^6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{3^6, 4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^5, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^2, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^5, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2, 3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^3, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{4^3, 6^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{3, 4, 6^4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^5, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2, 3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^6, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{4^4, 6, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^3, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{3, 4^2, 6^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{3^2, 6^3, 12^8\})$	349440
12	$\mathcal{O}(0; \{2, 6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{3, 4^3, 12^9\})$	700416
12	$\mathcal{O}(0; \{3^2, 4, 6, 12^9\})$	699392
12	$\mathcal{O}(0; \{2, 4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^4, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{3^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2, 4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{2, 3, 6, 12^{10}\})$	699392
13	$\mathcal{O}(2; \{13^7\})$	78722455812
14	$\mathcal{O}(4; \{14^2\})$	8854734336
14	$\mathcal{O}(3; \{2^4, 14^2\})$	45177216
14	$\mathcal{O}(2; \{2^3, 7^4, 14\})$	42641760

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(2; \{2^8, 14^2\})$	230496
14	$\mathcal{O}(2; \{2, 7^3, 14^3\})$	256081056
14	$\mathcal{O}(1; \{2^2, 7^8\})$	47029416
14	$\mathcal{O}(1; \{2^7, 7^4, 14\})$	217560
14	$\mathcal{O}(1; \{2^{12}, 14^2\})$	1176
14	$\mathcal{O}(1; \{7^7, 14^2\})$	282175320
14	$\mathcal{O}(1; \{2^5, 7^3, 14^3\})$	1306536
14	$\mathcal{O}(1; \{2^3, 7^2, 14^5\})$	7838040
14	$\mathcal{O}(1; \{2, 7, 14^7\})$	47029416
14	$\mathcal{O}(0; \{2^6, 7^8\})$	239946
14	$\mathcal{O}(0; \{2^{11}, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^{16}, 14^2\})$	6
14	$\mathcal{O}(0; \{2^4, 7^7, 14^2\})$	1439670
14	$\mathcal{O}(0; \{2^9, 7^3, 14^3\})$	6666
14	$\mathcal{O}(0; \{2^2, 7^6, 14^4\})$	8638026
14	$\mathcal{O}(0; \{2^7, 7^2, 14^5\})$	39990
14	$\mathcal{O}(0; \{7^5, 14^6\})$	51828150
14	$\mathcal{O}(0; \{2^5, 7, 14^7\})$	239946
14	$\mathcal{O}(0; \{2^3, 14^9\})$	1439670
15	$\mathcal{O}(4; \{3^2\})$	5125768128
15	$\mathcal{O}(3; \{3^5\})$	113898960
15	$\mathcal{O}(3; \{3, 5, 15^2\})$	273375000
15	$\mathcal{O}(2; \{3^8\})$	4346784
15	$\mathcal{O}(2; \{3^2, 5^5\})$	20655000
15	$\mathcal{O}(2; \{3^3, 5^3, 15\})$	15795000
15	$\mathcal{O}(2; \{3^4, 5, 15^2\})$	13365000
15	$\mathcal{O}(2; \{5^2, 15^4\})$	249075000
15	$\mathcal{O}(2; \{3, 15^5\})$	227205000
15	$\mathcal{O}(1; \{3^{11}\})$	147312
15	$\mathcal{O}(1; \{3^5, 5^5\})$	459000
15	$\mathcal{O}(1; \{3^6, 5^3, 15\})$	491400
15	$\mathcal{O}(1; \{3^7, 5, 15^2\})$	459000
15	$\mathcal{O}(1; \{3, 5^6, 15^2\})$	5898600
15	$\mathcal{O}(1; \{3^2, 5^4, 15^3\})$	7371000
15	$\mathcal{O}(1; \{3^3, 5^2, 15^4\})$	7749000
15	$\mathcal{O}(1; \{3^4, 15^5\})$	7803000
15	$\mathcal{O}(1; \{5, 15^7\})$	123870600
15	$\mathcal{O}(0; \{3^8, 5^5\})$	17544
15	$\mathcal{O}(0; \{3^2, 5^{10}\})$	419432
15	$\mathcal{O}(0; \{3^9, 5^3, 15\})$	17784
15	$\mathcal{O}(0; \{3^3, 5^8, 15\})$	314568
15	$\mathcal{O}(0; \{3^{10}, 5, 15^2\})$	16392
15	$\mathcal{O}(0; \{3^4, 5^6, 15^2\})$	288376

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^5, 5^4, 15^3\})$	281736
15	$\mathcal{O}(0; \{3^6, 5^2, 15^4\})$	280440
15	$\mathcal{O}(0; \{5^7, 15^4\})$	5033160
15	$\mathcal{O}(0; \{3^7, 15^5\})$	278664
15	$\mathcal{O}(0; \{3, 5^5, 15^5\})$	4613752
15	$\mathcal{O}(0; \{3^2, 5^3, 15^6\})$	4508808
15	$\mathcal{O}(0; \{3^3, 5, 15^7\})$	4482936
15	$\mathcal{O}(0; \{15^{10}\})$	71722872
16	$\mathcal{O}(3; \{2^2, 16^2\})$	134217728
16	$\mathcal{O}(2; \{2^6, 16^2\})$	524288
16	$\mathcal{O}(2; \{2^3, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(2; \{4^4, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2, 4, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(1; \{2^{10}, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^7, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^4, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{2, 4^6, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^5, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^2, 4^3, 8^2, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^3, 8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{4^2, 8^4, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^3, 4, 8, 16^4\})$	1048576
16	$\mathcal{O}(1; \{4^3, 8, 16^4\})$	4194304
16	$\mathcal{O}(1; \{2, 8^3, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2, 4, 16^6\})$	16777216
16	$\mathcal{O}(0; \{2^{14}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^{11}, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^8, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^5, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 4^8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^9, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^6, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^3, 4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{4^7, 8^2, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^7, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^4, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{2, 4^4, 8^4, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^2, 4, 8^6, 16^2\})$	65536
16	$\mathcal{O}(0; \{8^8, 16^2\})$	524288
16	$\mathcal{O}(0; \{2^7, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^4, 4^3, 8, 16^4\})$	16384
16	$\mathcal{O}(0; \{2, 4^5, 8, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^5, 8^3, 16^4\})$	32768

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 16^4\})$	131072
16	$\mathcal{O}(0; \{4, 8^5, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^5, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{2^2, 4^3, 16^6\})$	262144
16	$\mathcal{O}(0; \{2^3, 8^2, 16^6\})$	524288
16	$\mathcal{O}(0; \{4^2, 8^2, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2, 8, 16^8\})$	8388608
17	$\mathcal{O}(0; \{17^9\})$	4042322160
18	$\mathcal{O}(2; \{2^2, 3^2, 9^2\})$	2519424
18	$\mathcal{O}(2; \{2^3, 6, 9^2\})$	1259712
18	$\mathcal{O}(2; \{3, 6^2, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2, 9^3, 18\})$	17006112
18	$\mathcal{O}(2; \{3^2, 9, 18^2\})$	7558272
18	$\mathcal{O}(2; \{2, 6, 9, 18^2\})$	3779136
18	$\mathcal{O}(1; \{2^6, 3^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{2^2, 3^5, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^7, 6, 9^2\})$	3888
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 9^2\})$	15552
18	$\mathcal{O}(1; \{3^4, 6^2, 9^2\})$	124416
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^2, 6^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 3, 9^5\})$	524880
18	$\mathcal{O}(1; \{6^2, 9^5\})$	1049760
18	$\mathcal{O}(1; \{2^5, 9^3, 18\})$	52488
18	$\mathcal{O}(1; \{2, 3^3, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{6^3, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^4, 3^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{3^5, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2^5, 6, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{2, 3^3, 6, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{6^4, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{3, 9^4, 18^2\})$	3464208
18	$\mathcal{O}(1; \{2^3, 9^2, 18^3\})$	262440
18	$\mathcal{O}(1; \{3, 6, 9^2, 18^3\})$	1049760
18	$\mathcal{O}(1; \{2^2, 3^2, 18^4\})$	209952
18	$\mathcal{O}(1; \{2^3, 6, 18^4\})$	104976
18	$\mathcal{O}(1; \{3, 6^2, 18^4\})$	419904
18	$\mathcal{O}(1; \{2, 9, 18^5\})$	1732104
18	$\mathcal{O}(0; \{2^{10}, 3^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^6, 3^5, 9^2\})$	192

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^8, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^{11}, 6, 9^2\})$	12
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 9^2\})$	96
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 9^2\})$	768
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 9^2\})$	48
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 9^2\})$	384
18	$\mathcal{O}(0; \{3^7, 6^2, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 9^2\})$	192
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^6, 6^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 9^2\})$	768
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 9^2\})$	384
18	$\mathcal{O}(0; \{3^2, 6^6, 9^2\})$	1536
18	$\mathcal{O}(0; \{2, 6^7, 9^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3, 9^5\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^4, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^4, 6^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{3^3, 6^2, 9^5\})$	25920
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^2, 9^8\})$	188082
18	$\mathcal{O}(0; \{2^9, 9^3, 18\})$	162
18	$\mathcal{O}(0; \{2^5, 3^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2, 3^6, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^4, 6^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{3^3, 6^3, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2, 3^2, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^2, 6, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{2^8, 3^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^4, 3^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{3^8, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^9, 6, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2, 3^6, 6, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^4, 6^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{3^3, 6^4, 9, 18^2\})$	2304

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3, 6^5, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^4, 3, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{3^4, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^2, 6^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{9^7, 18^2\})$	1115370
18	$\mathcal{O}(0; \{2^7, 9^2, 18^3\})$	810
18	$\mathcal{O}(0; \{2^3, 3^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{3^4, 6, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^2, 6^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{6, 9^5, 18^3\})$	376164
18	$\mathcal{O}(0; \{2^6, 3^2, 18^4\})$	648
18	$\mathcal{O}(0; \{2^2, 3^5, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^7, 6, 18^4\})$	324
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 18^4\})$	1296
18	$\mathcal{O}(0; \{3^4, 6^2, 18^4\})$	10368
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^2, 6^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 9^3, 18^4\})$	61236
18	$\mathcal{O}(0; \{6^2, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2^5, 9, 18^5\})$	5346
18	$\mathcal{O}(0; \{2, 3^3, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^2, 3, 6, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{6^3, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{3, 9^2, 18^6\})$	376164
18	$\mathcal{O}(0; \{2^3, 18^7\})$	30618
18	$\mathcal{O}(0; \{3, 6, 18^7\})$	122472
19	$\mathcal{O}(2; \{19^4\})$	720153846
20	$\mathcal{O}(3; \{4^2\})$	127991808
20	$\mathcal{O}(2; \{2^4, 4^2\})$	319488
20	$\mathcal{O}(2; \{2, 4^4\})$	1277952
20	$\mathcal{O}(2; \{2^2, 4, 5, 20\})$	1280000
20	$\mathcal{O}(2; \{4, 10^2, 20\})$	3840000
20	$\mathcal{O}(2; \{5^2, 20^2\})$	16640000
20	$\mathcal{O}(1; \{2^8, 4^2\})$	768
20	$\mathcal{O}(1; \{2^5, 4^4\})$	3072
20	$\mathcal{O}(1; \{2^2, 4^6\})$	12288
20	$\mathcal{O}(1; \{4^2, 5^5\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{4^4, 5^2, 10\})$	38400

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 4^2, 5, 10^3\})$	41600
20	$\mathcal{O}(1; \{2^6, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{2^3, 4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{4^5, 5, 20\})$	51200
20	$\mathcal{O}(1; \{2, 4, 5^3, 10, 20\})$	163200
20	$\mathcal{O}(1; \{2^4, 4, 10^2, 20\})$	9600
20	$\mathcal{O}(1; \{2, 4^3, 10^2, 20\})$	38400
20	$\mathcal{O}(1; \{2^4, 5^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^2, 5, 10^2, 20^2\})$	163200
20	$\mathcal{O}(1; \{10^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^2, 4, 10, 20^3\})$	166400
20	$\mathcal{O}(1; \{5, 10, 20^4\})$	2624000
20	$\mathcal{O}(1; \{4, 20^5\})$	2611200
20	$\mathcal{O}(0; \{2^4, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{2, 4^4, 5^5\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^4, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{2, 4^6, 5^2, 10\})$	384
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 10^2\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10^3\})$	416
20	$\mathcal{O}(0; \{4^2, 5^3, 10^4\})$	6552
20	$\mathcal{O}(0; \{2^3, 4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{4^4, 10^5\})$	1632
20	$\mathcal{O}(0; \{2^{10}, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^7, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^4, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{2, 4^7, 5, 20\})$	512
20	$\mathcal{O}(0; \{2^2, 4, 5^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{2^2, 4^3, 5^3, 10, 20\})$	1632
20	$\mathcal{O}(0; \{2^8, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^5, 4^3, 10^2, 20\})$	96
20	$\mathcal{O}(0; \{2^2, 4^5, 10^2, 20\})$	384
20	$\mathcal{O}(0; \{4, 5^5, 10^2, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 5^2, 10^3, 20\})$	6560
20	$\mathcal{O}(0; \{2, 4, 5, 10^5, 20\})$	6552
20	$\mathcal{O}(0; \{2^8, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{5^7, 20^2\})$	104856

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{4^2, 5^4, 10, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^6, 5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{4^4, 5, 10^2, 20^2\})$	6528
20	$\mathcal{O}(0; \{2, 5^3, 10^3, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^4, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2, 4^2, 10^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{4^3, 5^3, 20^3\})$	26240
20	$\mathcal{O}(0; \{2^6, 4, 10, 20^3\})$	416
20	$\mathcal{O}(0; \{2^3, 4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{4^5, 10, 20^3\})$	6656
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^2, 20^3\})$	26208
20	$\mathcal{O}(0; \{2, 5^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{2, 4^2, 5, 10, 20^4\})$	26240
20	$\mathcal{O}(0; \{2^2, 10^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^4, 4, 20^5\})$	6528
20	$\mathcal{O}(0; \{2, 4^3, 20^5\})$	26112
20	$\mathcal{O}(0; \{2^2, 5, 20^6\})$	104832
20	$\mathcal{O}(0; \{10^2, 20^6\})$	419456
21	$\mathcal{O}(2; \{3^2, 21^2\})$	7001316
21	$\mathcal{O}(1; \{3^4, 7^3\})$	79380
21	$\mathcal{O}(1; \{3^5, 21^2\})$	111132
21	$\mathcal{O}(1; \{3, 7^2, 21^3\})$	2937060
21	$\mathcal{O}(0; \{3^7, 7^3\})$	1260
21	$\mathcal{O}(0; \{3^3, 7^5, 21\})$	39996
21	$\mathcal{O}(0; \{3^8, 21^2\})$	2052
21	$\mathcal{O}(0; \{3^4, 7^2, 21^3\})$	46620
21	$\mathcal{O}(0; \{7^4, 21^4\})$	1439676
21	$\mathcal{O}(0; \{3, 7, 21^6\})$	1679580
22	$\mathcal{O}(3; \{2^2\})$	113379840
22	$\mathcal{O}(2; \{2^6\})$	234240
22	$\mathcal{O}(1; \{2^{10}\})$	480
22	$\mathcal{O}(0; \{2^3, 11^5, 22\})$	90910
22	$\mathcal{O}(0; \{2, 11^4, 22^3\})$	909090
23	$\mathcal{O}(1; \{23^5\})$	118533030
24	$\mathcal{O}(2; \{3, 24^2\})$	2654208
24	$\mathcal{O}(1; \{2^3, 3^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{3^2, 4^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^3, 6, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 3, 6^2, 8^2\})$	4608

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 3, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2^2, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{3^3, 4, 8, 24\})$	27648
24	$\mathcal{O}(1; \{2, 3, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2, 3^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^2, 6, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{8, 12^3, 24\})$	110592
24	$\mathcal{O}(1; \{2^4, 3, 24^2\})$	4608
24	$\mathcal{O}(1; \{3^4, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 3, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2, 3^2, 6, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^2, 6^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^2, 4, 12, 24^2\})$	18432
24	$\mathcal{O}(1; \{8^2, 12, 24^2\})$	147456
24	$\mathcal{O}(1; \{6, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{6, 8, 24^3\})$	221184
24	$\mathcal{O}(1; \{4, 24^4\})$	442368
24	$\mathcal{O}(0; \{2^7, 3^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{3^5, 4^2, 8^2\})$	160
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8^2\})$	24
24	$\mathcal{O}(0; \{3^6, 6, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8^2\})$	96
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 6^4, 8^2\})$	24
24	$\mathcal{O}(0; \{4^2, 6^4, 8^2\})$	96
24	$\mathcal{O}(0; \{3, 6^5, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{3^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{4^3, 6^2, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^3, 3, 8^4, 12\})$	256

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^2, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3^2, 6, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2, 6^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{4^4, 8^2, 12^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{3^2, 6^2, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2, 6^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2, 4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{3^2, 4, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{2, 3, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 8, 24\})$	48
24	$\mathcal{O}(0; \{3^6, 4, 8, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 8, 24\})$	48
24	$\mathcal{O}(0; \{4^3, 6^3, 8, 24\})$	192
24	$\mathcal{O}(0; \{3, 4, 6^4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{3^2, 6^2, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 6^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^5, 3^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2, 3^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^6, 6, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{4^4, 6, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{3^2, 6^3, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 6^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{3^2, 4, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{2, 4, 6, 8^3, 12, 24\})$	512

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{3, 4^3, 8, 12^2, 24\})$	768
24	$\mathcal{O}(0; \{3^2, 4, 6, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2, 4, 6^2, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2, 3, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2^4, 8, 12^3, 24\})$	192
24	$\mathcal{O}(0; \{3^3, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{2, 4^2, 8, 12^3, 24\})$	768
24	$\mathcal{O}(0; \{2, 3, 6, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^8, 3, 24^2\})$	8
24	$\mathcal{O}(0; \{2^4, 3^4, 24^2\})$	88
24	$\mathcal{O}(0; \{3^7, 24^2\})$	680
24	$\mathcal{O}(0; \{2^5, 3, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2, 3^4, 4^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3^2, 6, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 3^5, 6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 24^2\})$	160
24	$\mathcal{O}(0; \{2^6, 6^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 24^2\})$	96
24	$\mathcal{O}(0; \{4^4, 6^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3, 6^3, 24^2\})$	88
24	$\mathcal{O}(0; \{3, 4^2, 6^3, 24^2\})$	352
24	$\mathcal{O}(0; \{3^2, 6^4, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 6^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2, 3, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^6, 4, 12, 24^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 4^3, 12, 24^2\})$	128
24	$\mathcal{O}(0; \{4^5, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{3, 4^3, 6, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 4, 6^3, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 8^2, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{3^3, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12, 24^2\})$	1024
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12, 24^2\})$	1280

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{3^2, 4^2, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^4, 6, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{3^3, 6, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 4^2, 6, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 3, 6^2, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3, 4, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 12^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^4, 6, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{3^3, 6, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 8, 12^2, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^4, 4, 24^4\})$	768
24	$\mathcal{O}(0; \{3^3, 4, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 4^3, 24^4\})$	3072
24	$\mathcal{O}(0; \{2, 3, 4, 6, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^2, 8^2, 24^4\})$	6144
24	$\mathcal{O}(0; \{2, 3^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 6, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{12^3, 24^4\})$	21504
24	$\mathcal{O}(0; \{8, 12, 24^5\})$	45056
24	$\mathcal{O}(0; \{6, 24^6\})$	43008
25	$\mathcal{O}(2; \{5^3\})$	4680000
25	$\mathcal{O}(0; \{5^2, 25^5\})$	2040000
26	$\mathcal{O}(1; \{2, 13^3, 26\})$	1078896
26	$\mathcal{O}(0; \{2^5, 13^3, 26\})$	1596
26	$\mathcal{O}(0; \{2^3, 13^2, 26^3\})$	19140
26	$\mathcal{O}(0; \{2, 13, 26^5\})$	229692
27	$\mathcal{O}(0; \{3^2, 9, 27^4\})$	104976
28	$\mathcal{O}(2; \{28^2\})$	7375872
28	$\mathcal{O}(1; \{2, 4, 7^2, 28\})$	47040
28	$\mathcal{O}(1; \{2^4, 28^2\})$	9408
28	$\mathcal{O}(1; \{2, 4^2, 28^2\})$	37632
28	$\mathcal{O}(0; \{2^2, 4^2, 7^4\})$	372
28	$\mathcal{O}(0; \{4^2, 7^3, 14^2\})$	2220
28	$\mathcal{O}(0; \{2^5, 4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{2^2, 4^3, 7^2, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 4, 7, 14^2, 28\})$	372
28	$\mathcal{O}(0; \{4^3, 7, 14^2, 28\})$	1488

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2, 4, 14^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^8, 28^2\})$	12
28	$\mathcal{O}(0; \{2^5, 4^2, 28^2\})$	48
28	$\mathcal{O}(0; \{2^2, 4^4, 28^2\})$	192
28	$\mathcal{O}(0; \{2, 7^3, 14, 28^2\})$	13332
28	$\mathcal{O}(0; \{2, 4, 7, 14, 28^3\})$	8880
29	$\mathcal{O}(0; \{29^6\})$	16616908
30	$\mathcal{O}(2; \{6^2\})$	1617408
30	$\mathcal{O}(1; \{2^2, 3^4\})$	5184
30	$\mathcal{O}(1; \{2^3, 3^2, 6\})$	1728
30	$\mathcal{O}(1; \{2^4, 6^2\})$	1728
30	$\mathcal{O}(1; \{3^3, 6^2\})$	8640
30	$\mathcal{O}(1; \{2, 3, 6^3\})$	5184
30	$\mathcal{O}(1; \{2, 3^2, 10, 15\})$	7200
30	$\mathcal{O}(1; \{2^2, 6, 10, 15\})$	7200
30	$\mathcal{O}(1; \{2^2, 5, 15^2\})$	21600
30	$\mathcal{O}(1; \{10^2, 15^2\})$	93600
30	$\mathcal{O}(1; \{6, 15^2, 30\})$	64800
30	$\mathcal{O}(1; \{6, 10, 30^2\})$	21600
30	$\mathcal{O}(1; \{5, 15, 30^2\})$	93600
30	$\mathcal{O}(0; \{5^5, 6^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 10\})$	72
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 10\})$	24
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 10\})$	72
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^3\})$	104
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^3\})$	104
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 5^3, 6, 15\})$	104
30	$\mathcal{O}(0; \{3, 5^3, 6^2, 15\})$	312
30	$\mathcal{O}(0; \{2^5, 3^2, 10, 15\})$	8
30	$\mathcal{O}(0; \{2, 3^5, 10, 15\})$	88
30	$\mathcal{O}(0; \{2^6, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 10, 15\})$	40
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 10, 15\})$	24
30	$\mathcal{O}(0; \{3^2, 6^3, 10, 15\})$	88
30	$\mathcal{O}(0; \{2, 6^4, 10, 15\})$	40
30	$\mathcal{O}(0; \{3^2, 5^2, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{2, 5^2, 6, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{2^6, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 15^2\})$	120
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 15^2\})$	72
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 15^2\})$	264

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 5, 6^3, 15^2\})$	120
30	$\mathcal{O}(0; \{2, 5^3, 10, 15^2\})$	1640
30	$\mathcal{O}(0; \{2^4, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{3^3, 10^2, 15^2\})$	520
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15^3\})$	1224
30	$\mathcal{O}(0; \{2^2, 15^5\})$	2040
30	$\mathcal{O}(0; \{3, 5^4, 6, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 10, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 10, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 10, 30\})$	120
30	$\mathcal{O}(0; \{2, 5, 6^3, 10, 30\})$	72
30	$\mathcal{O}(0; \{3^3, 10^3, 30\})$	312
30	$\mathcal{O}(0; \{2, 3, 6, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 15, 30\})$	520
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 3, 5, 10^2, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{2^4, 6, 15^2, 30\})$	72
30	$\mathcal{O}(0; \{3^3, 6, 15^2, 30\})$	504
30	$\mathcal{O}(0; \{2, 3, 6^2, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{2^2, 10, 15^3, 30\})$	1224
30	$\mathcal{O}(0; \{3^2, 5^3, 30^2\})$	1224
30	$\mathcal{O}(0; \{2, 5^3, 6, 30^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{2^4, 6, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{3^3, 6, 10, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{2^4, 5, 15, 30^2\})$	104
30	$\mathcal{O}(0; \{3^3, 5, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2^2, 10^2, 15, 30^2\})$	408
30	$\mathcal{O}(0; \{15^4, 30^2\})$	18040
30	$\mathcal{O}(0; \{2, 3, 5^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 3^2, 15, 30^3\})$	1144
30	$\mathcal{O}(0; \{2^2, 6, 15, 30^3\})$	520
30	$\mathcal{O}(0; \{10, 15^2, 30^3\})$	8200
30	$\mathcal{O}(0; \{2^2, 5, 30^4\})$	1224
30	$\mathcal{O}(0; \{10^2, 30^4\})$	4920
30	$\mathcal{O}(0; \{6, 30^5\})$	4488
32	$\mathcal{O}(1; \{2^3, 32^2\})$	16384
32	$\mathcal{O}(1; \{4^2, 32^2\})$	65536

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(0; \{2^7, 32^2\})$	16
32	$\mathcal{O}(0; \{2^4, 4^2, 32^2\})$	64
32	$\mathcal{O}(0; \{2, 4^4, 32^2\})$	256
32	$\mathcal{O}(0; \{2^2, 4, 8^2, 32^2\})$	512
32	$\mathcal{O}(0; \{8^4, 32^2\})$	4096
32	$\mathcal{O}(0; \{4, 8, 16^2, 32^2\})$	8192
33	$\mathcal{O}(2; \{3^2\})$	2371680
33	$\mathcal{O}(1; \{3^5\})$	10800
33	$\mathcal{O}(0; \{3, 11^3, 33^2\})$	18180
34	$\mathcal{O}(0; \{2, 17^4, 34\})$	61680
35	$\mathcal{O}(0; \{5^2, 7^3, 35\})$	2232
35	$\mathcal{O}(0; \{5^4, 35^2\})$	4920
36	$\mathcal{O}(0; \{4^2, 9^4\})$	324
36	$\mathcal{O}(0; \{4^2, 6, 9^2, 18\})$	72
36	$\mathcal{O}(0; \{3, 4, 9^2, 12, 18\})$	144
36	$\mathcal{O}(0; \{2, 9^2, 12^2, 18\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 18^2\})$	24
36	$\mathcal{O}(0; \{4^2, 6^2, 18^2\})$	48
36	$\mathcal{O}(0; \{2^3, 4, 12, 18^2\})$	24
36	$\mathcal{O}(0; \{4^3, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{3, 4, 6, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{3^2, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{2, 6, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{3, 4, 9^3, 36\})$	648
36	$\mathcal{O}(0; \{2, 9^3, 12, 36\})$	648
36	$\mathcal{O}(0; \{2^3, 4, 9, 18, 36\})$	36
36	$\mathcal{O}(0; \{4^3, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{3, 4, 6, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{3^2, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{2, 6, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{2, 4, 18^3, 36\})$	324
36	$\mathcal{O}(0; \{3^2, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{2, 6, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^3, 3, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{3, 4^2, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3^2, 6, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 6^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 4, 12, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{2, 4, 9, 36^3\})$	1296
36	$\mathcal{O}(0; \{2, 3, 36^4\})$	2592
38	$\mathcal{O}(1; \{2^2, 19^2\})$	25992
38	$\mathcal{O}(1; \{19, 38^2\})$	441864
38	$\mathcal{O}(0; \{2^6, 19^2\})$	18

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
38	$\mathcal{O}(0; \{2^4, 19, 38^2\})$	306
38	$\mathcal{O}(0; \{2^2, 38^4\})$	5526
39	$\mathcal{O}(0; \{3^3, 13^2, 39\})$	792
39	$\mathcal{O}(0; \{13, 39^4\})$	114840
40	$\mathcal{O}(1; \{2^2, 8^2\})$	6144
40	$\mathcal{O}(1; \{8, 10, 40\})$	25600
40	$\mathcal{O}(1; \{5, 40^2\})$	76800
40	$\mathcal{O}(0; \{2, 5^2, 8^2, 10\})$	48
40	$\mathcal{O}(0; \{2, 4, 5, 8^2, 20\})$	64
40	$\mathcal{O}(0; \{2, 5^3, 8, 40\})$	208
40	$\mathcal{O}(0; \{2^4, 8, 10, 40\})$	16
40	$\mathcal{O}(0; \{2, 4^2, 8, 10, 40\})$	64
40	$\mathcal{O}(0; \{2^2, 8, 20^2, 40\})$	192
40	$\mathcal{O}(0; \{2^4, 5, 40^2\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 5, 40^2\})$	192
40	$\mathcal{O}(0; \{2^2, 10^2, 40^2\})$	208
40	$\mathcal{O}(0; \{10, 20^2, 40^2\})$	3264
40	$\mathcal{O}(0; \{8, 20, 40^3\})$	6656
42	$\mathcal{O}(1; \{3, 42^2\})$	21168
42	$\mathcal{O}(0; \{2^3, 3^2, 7, 14\})$	12
42	$\mathcal{O}(0; \{3^3, 6, 7, 14\})$	36
42	$\mathcal{O}(0; \{2, 3, 6^2, 7, 14\})$	12
42	$\mathcal{O}(0; \{2, 3^2, 14^3\})$	60
42	$\mathcal{O}(0; \{2^2, 7^2, 21^2\})$	372
42	$\mathcal{O}(0; \{7, 14^2, 21^2\})$	2220
42	$\mathcal{O}(0; \{6, 14, 21^3\})$	1116
42	$\mathcal{O}(0; \{2, 3^2, 7, 21, 42\})$	180
42	$\mathcal{O}(0; \{2^2, 6, 7, 21, 42\})$	60
42	$\mathcal{O}(0; \{6, 14^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{2^4, 3, 42^2\})$	12
42	$\mathcal{O}(0; \{3^4, 42^2\})$	132
42	$\mathcal{O}(0; \{2, 3^2, 6, 42^2\})$	60
42	$\mathcal{O}(0; \{2^2, 6^2, 42^2\})$	36
42	$\mathcal{O}(0; \{7^2, 21, 42^2\})$	2220
42	$\mathcal{O}(0; \{6, 7, 42^3\})$	1116
44	$\mathcal{O}(1; \{2^2, 4^2\})$	3840
44	$\mathcal{O}(0; \{4, 11^2, 22, 44\})$	1820
45	$\mathcal{O}(1; \{3, 9^2\})$	23328
45	$\mathcal{O}(0; \{5, 9^2, 15^2\})$	288
45	$\mathcal{O}(0; \{5, 9^3, 45\})$	648
45	$\mathcal{O}(0; \{5^2, 9, 45^2\})$	936
45	$\mathcal{O}(0; \{3, 9, 15, 45^2\})$	864
46	$\mathcal{O}(0; \{2^3, 23^2, 46\})$	462

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
46	$\mathcal{O}(0; \{2, 23, 46^3\})$	10186
48	$\mathcal{O}(0; \{4, 6^2, 16^2\})$	32
48	$\mathcal{O}(0; \{3, 6, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{2, 16^2, 24^2\})$	256
48	$\mathcal{O}(0; \{3, 6, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{3, 4, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{2, 12, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{2^2, 3^2, 48^2\})$	48
48	$\mathcal{O}(0; \{2^3, 6, 48^2\})$	16
48	$\mathcal{O}(0; \{4^2, 6, 48^2\})$	64
48	$\mathcal{O}(0; \{3, 6^2, 48^2\})$	80
48	$\mathcal{O}(0; \{3, 4, 12, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 12^2, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 8, 24, 48^2\})$	256
50	$\mathcal{O}(1; \{2, 5, 10\})$	9600
50	$\mathcal{O}(0; \{2, 5, 25^2, 50\})$	1200
51	$\mathcal{O}(0; \{3^2, 17^3\})$	480
52	$\mathcal{O}(0; \{2, 4, 13, 26, 52\})$	264
54	$\mathcal{O}(0; \{2, 3, 18, 27^2\})$	216
55	$\mathcal{O}(2; \emptyset)$	9135360
56	$\mathcal{O}(1; \{56^2\})$	75264
56	$\mathcal{O}(0; \{2, 7^2, 8^2\})$	24
56	$\mathcal{O}(0; \{2, 4, 7, 8, 56\})$	48
56	$\mathcal{O}(0; \{2^4, 56^2\})$	24
56	$\mathcal{O}(0; \{2, 4^2, 56^2\})$	96
57	$\mathcal{O}(0; \{3^3, 19, 57\})$	108
57	$\mathcal{O}(0; \{57^4\})$	33156
58	$\mathcal{O}(0; \{2^2, 29^3\})$	756
58	$\mathcal{O}(0; \{29^2, 58^2\})$	21196
60	$\mathcal{O}(1; \{12^2\})$	13824
60	$\mathcal{O}(0; \{3^2, 4, 5, 20\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 12, 20\})$	16
60	$\mathcal{O}(0; \{2, 3, 4, 20, 30\})$	16
60	$\mathcal{O}(0; \{2^2, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{20^2, 30^2\})$	208
60	$\mathcal{O}(0; \{2, 3, 4, 15, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 12, 15, 60\})$	16
60	$\mathcal{O}(0; \{15, 20, 30, 60\})$	208
60	$\mathcal{O}(0; \{12, 30^2, 60\})$	144
60	$\mathcal{O}(0; \{15^2, 60^2\})$	624
60	$\mathcal{O}(0; \{12, 20, 60^2\})$	192
60	$\mathcal{O}(0; \{10, 30, 60^2\})$	208
63	$\mathcal{O}(0; \{9^2, 63^2\})$	972

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Table 6 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
64	$\mathcal{O}(0; \{2^2, 4, 64^2\})$	64
64	$\mathcal{O}(0; \{8^2, 64^2\})$	512
65	$\mathcal{O}(0; \{5, 13, 65^2\})$	1584
66	$\mathcal{O}(1; \{6^2\})$	8640
66	$\mathcal{O}(0; \{6, 11, 22, 33\})$	180
68	$\mathcal{O}(0; \{4, 17^2, 68\})$	480
69	$\mathcal{O}(0; \{3, 23, 69^2\})$	924
70	$\mathcal{O}(0; \{5, 7, 14, 70\})$	120
70	$\mathcal{O}(0; \{5^2, 70^2\})$	312
72	$\mathcal{O}(0; \{8^2, 9^2\})$	24
72	$\mathcal{O}(0; \{3, 9, 72^2\})$	144
76	$\mathcal{O}(0; \{4^2, 38^2\})$	36
76	$\mathcal{O}(0; \{2, 38, 76^2\})$	612
78	$\mathcal{O}(0; \{2, 26, 39^2\})$	264
78	$\mathcal{O}(0; \{3, 6, 13, 78\})$	24
80	$\mathcal{O}(0; \{2, 16, 20, 80\})$	64
80	$\mathcal{O}(0; \{2, 10, 80^2\})$	96
84	$\mathcal{O}(0; \{3^2, 84^2\})$	72
84	$\mathcal{O}(0; \{2, 6, 84^2\})$	24
87	$\mathcal{O}(0; \{3^2, 29^2\})$	56
90	$\mathcal{O}(0; \{2, 5, 18, 45\})$	24
92	$\mathcal{O}(0; \{2, 4, 23, 92\})$	44
96	$\mathcal{O}(0; \{2, 3, 96^2\})$	32
110	$\mathcal{O}(1; \{2^2\})$	11520
112	$\mathcal{O}(0; \{2^2, 112^2\})$	48
113	$\mathcal{O}(0; \{113^3\})$	12432
114	$\mathcal{O}(0; \{2^2, 57^2\})$	36
114	$\mathcal{O}(0; \{57, 114^2\})$	612
116	$\mathcal{O}(0; \{29, 116^2\})$	1512
119	$\mathcal{O}(0; \{17, 119^2\})$	1440
120	$\mathcal{O}(0; \{24, 40, 60\})$	64
120	$\mathcal{O}(0; \{24, 30, 120\})$	32
120	$\mathcal{O}(0; \{15, 120^2\})$	96
126	$\mathcal{O}(0; \{9, 126^2\})$	108
128	$\mathcal{O}(0; \{8, 128^2\})$	256
130	$\mathcal{O}(0; \{10, 26, 65\})$	48
136	$\mathcal{O}(0; \{8, 17, 136\})$	64
138	$\mathcal{O}(0; \{6, 46, 69\})$	44
140	$\mathcal{O}(0; \{5, 140^2\})$	144
145	$\mathcal{O}(0; \{5, 29, 145\})$	112
168	$\mathcal{O}(0; \{3, 168^2\})$	48
224	$\mathcal{O}(0; \{2, 224^2\})$	96
226	$\mathcal{O}(0; \{2, 113, 226\})$	112



Table 7: 57-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
1	$\mathcal{O}(57; \emptyset)$	1
2	$\mathcal{O}(29; \emptyset)$	288230376151711743
2	$\mathcal{O}(28; \{2^4\})$	72057594037927936
2	$\mathcal{O}(27; \{2^8\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{12}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{16}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{20}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{24}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{28}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{32}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{36}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{40}\})$	274877906944
2	$\mathcal{O}(18; \{2^{44}\})$	68719476736
2	$\mathcal{O}(17; \{2^{48}\})$	17179869184
2	$\mathcal{O}(16; \{2^{52}\})$	4294967296
2	$\mathcal{O}(15; \{2^{56}\})$	1073741824
2	$\mathcal{O}(14; \{2^{60}\})$	268435456
2	$\mathcal{O}(13; \{2^{64}\})$	67108864
2	$\mathcal{O}(12; \{2^{68}\})$	16777216
2	$\mathcal{O}(11; \{2^{72}\})$	4194304
2	$\mathcal{O}(10; \{2^{76}\})$	1048576
2	$\mathcal{O}(9; \{2^{80}\})$	262144
2	$\mathcal{O}(8; \{2^{84}\})$	65536
2	$\mathcal{O}(7; \{2^{88}\})$	16384
2	$\mathcal{O}(6; \{2^{92}\})$	4096
2	$\mathcal{O}(5; \{2^{96}\})$	1024
2	$\mathcal{O}(4; \{2^{100}\})$	256
2	$\mathcal{O}(3; \{2^{104}\})$	64
2	$\mathcal{O}(2; \{2^{108}\})$	16
2	$\mathcal{O}(1; \{2^{112}\})$	4
2	$\mathcal{O}(0; \{2^{116}\})$	1
3	$\mathcal{O}(19; \{3^2\})$	2701703435345984178
3	$\mathcal{O}(18; \{3^5\})$	1500946352969991210
3	$\mathcal{O}(17; \{3^8\})$	1434237626171324934
3	$\mathcal{O}(16; \{3^{11}\})$	1263759768796955562
3	$\mathcal{O}(15; \{3^{14}\})$	1124577363500972838
3	$\mathcal{O}(14; \{3^{17}\})$	999487062357246090
3	$\mathcal{O}(13; \{3^{20}\})$	888448195512522054
3	$\mathcal{O}(12; \{3^{23}\})$	789730034767245162
3	$\mathcal{O}(11; \{3^{26}\})$	701982441412797798

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(10; \{3^{29}\})$	623984371446224970
3	$\mathcal{O}(9; \{3^{32}\})$	554652776943389574
3	$\mathcal{O}(8; \{3^{35}\})$	493024690358065962
3	$\mathcal{O}(7; \{3^{38}\})$	438244169235867558
3	$\mathcal{O}(6; \{3^{41}\})$	389550372650915850
3	$\mathcal{O}(5; \{3^{44}\})$	346266997912279494
3	$\mathcal{O}(4; \{3^{47}\})$	307792887033097962
3	$\mathcal{O}(3; \{3^{50}\})$	273593677362758118
3	$\mathcal{O}(2; \{3^{53}\})$	243194379878006730
3	$\mathcal{O}(1; \{3^{56}\})$	216172782113783814
3	$\mathcal{O}(0; \{3^{59}\})$	192153584101141162
4	$\mathcal{O}(15; \emptyset)$	1152921503533105152
4	$\mathcal{O}(14; \{2^4\})$	72057593769492480
4	$\mathcal{O}(14; \{2, 4^2\})$	144115188075855872
4	$\mathcal{O}(13; \{2^8\})$	4503599560261632
4	$\mathcal{O}(13; \{2^5, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^2, 4^4\})$	36028797018963968
4	$\mathcal{O}(12; \{2^{12}\})$	281474959933440
4	$\mathcal{O}(12; \{2^9, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^6, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^3, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{4^8\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{16}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{13}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{10}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^7, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^4, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{20}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{17}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{14}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{11}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^8, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^5, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^2, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(9; \{2^{24}\})$	68719214592
4	$\mathcal{O}(9; \{2^{21}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{18}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{15}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{12}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^9, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^6, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^3, 4^{14}\})$	562949953421312

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(9; \{4^{16}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{28}\})$	4294901760
4	$\mathcal{O}(8; \{2^{25}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{22}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{19}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{16}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{13}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{10}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^7, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^4, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2, 4^{18}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{32}\})$	268419072
4	$\mathcal{O}(7; \{2^{29}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{26}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{23}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{20}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{17}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{14}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{11}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^8, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^5, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^2, 4^{20}\})$	140737488355328
4	$\mathcal{O}(6; \{2^{36}\})$	16773120
4	$\mathcal{O}(6; \{2^{33}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{30}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{27}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{24}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{21}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{18}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{15}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{12}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^9, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^6, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^3, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{4^{24}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{40}\})$	1047552
4	$\mathcal{O}(5; \{2^{37}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{34}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{31}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{28}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{25}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{22}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{19}, 4^{14}\})$	8589934592

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^{16}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{13}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{10}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^7, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^4, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2, 4^{26}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{44}\})$	65280
4	$\mathcal{O}(4; \{2^{41}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{38}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{35}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{32}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{29}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{26}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{23}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{20}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{17}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{14}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{11}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^8, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^5, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^2, 4^{28}\})$	8796093022208
4	$\mathcal{O}(3; \{2^{48}\})$	4032
4	$\mathcal{O}(3; \{2^{45}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{42}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{39}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{36}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{33}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{30}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{27}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{24}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{21}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{18}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{15}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{12}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^9, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^6, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^3, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{4^{32}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{52}\})$	240
4	$\mathcal{O}(2; \{2^{49}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{46}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{43}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{40}, 4^8\})$	32768

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{37}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{34}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{31}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{28}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{25}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{22}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{19}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{16}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{13}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{10}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^7, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^4, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2, 4^{34}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{56}\})$	12
4	$\mathcal{O}(1; \{2^{53}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{50}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{47}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{44}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{41}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{38}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{35}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{32}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{29}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{26}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{23}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{20}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{17}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{14}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{11}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^8, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^5, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^2, 4^{36}\})$	549755813888
4	$\mathcal{O}(0; \{2^{57}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{54}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{51}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{48}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{45}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{42}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{39}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{36}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{33}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{30}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{27}, 4^{22}\})$	2097152

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{24}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{21}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{18}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{15}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{12}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^9, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^6, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^3, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{4^{40}\})$	549755813888
5	$\mathcal{O}(11; \{5^3\})$	28610229492187500
5	$\mathcal{O}(9; \{5^8\})$	50003051757812500
5	$\mathcal{O}(7; \{5^{13}\})$	81919995117187500
5	$\mathcal{O}(5; \{5^{18}\})$	134217728007812500
5	$\mathcal{O}(3; \{5^{23}\})$	219902325555187500
5	$\mathcal{O}(1; \{5^{28}\})$	360287970189639700
6	$\mathcal{O}(9; \{3^4\})$	609357415487562
6	$\mathcal{O}(9; \{2, 3^2, 6\})$	203119913336832
6	$\mathcal{O}(9; \{2^2, 6^2\})$	203119913336832
6	$\mathcal{O}(8; \{2^4, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{3^7\})$	118484808150870
6	$\mathcal{O}(8; \{2^5, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2, 3^5, 6\})$	62064417964032
6	$\mathcal{O}(8; \{2^6, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^2, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{2^3, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(8; \{3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2, 6^5\})$	28211099074560
6	$\mathcal{O}(7; \{2^8, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^4, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{3^{10}\})$	26798908345434
6	$\mathcal{O}(7; \{2^9, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^5, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{10}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^6, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^2, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{2^7, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^3, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2^4, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^5, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^2, 3, 6^6\})$	3291294892032

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{6^8\})$	6739318112256
6	$\mathcal{O}(6; \{2^{12}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^8, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^4, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{3^{13}\})$	5941164943350
6	$\mathcal{O}(6; \{2^{13}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^9, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^5, 3^8, 6\})$	370052997120
6	$\mathcal{O}(6; \{2, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{14}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{10}, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^6, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{2^{11}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^7, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^3, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2^8, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^4, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^9, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^5, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^6, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{2^3, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2^4, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2, 3, 6^9\})$	744459558912
6	$\mathcal{O}(5; \{2^{16}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{12}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^8, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^4, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{3^{16}\})$	1319654096442
6	$\mathcal{O}(5; \{2^{17}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{13}, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^9, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{18}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{14}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{10}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^{12}, 6^2\})$	330266253312

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{15}, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^{11}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2^{12}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^8, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{13}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^9, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^5, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{10}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^6, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{2^7, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2^8, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{3^6, 6^8\})$	330266253312
6	$\mathcal{O}(5; \{2^5, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^2, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{2^3, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{3, 6^{12}\})$	165072660480
6	$\mathcal{O}(4; \{2^{20}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{16}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{12}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^8, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{3^{19}\})$	292386437910
6	$\mathcal{O}(4; \{2^{21}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{17}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{13}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^9, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^5, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{22}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{18}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{14}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{10}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3^{15}, 6^2\})$	73382423040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{19}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{15}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{11}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{12}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^8, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{17}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{13}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^9, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{14}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{10}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2^{12}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^8, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^9, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^5, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^6, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{2^7, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3^3, 6^{11}\})$	9174062592
6	$\mathcal{O}(4; \{2^4, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^2, 6^{14}\})$	9174062592
6	$\mathcal{O}(3; \{2^{24}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{20}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{16}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{12}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^8, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^4, 3^{19}\})$	8153695872

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^{22}\})$	64210630554
6	$\mathcal{O}(3; \{2^{25}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{21}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{17}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{13}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^9, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^5, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{26}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{22}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{18}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{14}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{10}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{2^{23}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{19}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{15}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{11}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2^{20}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{16}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{12}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{21}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{17}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{13}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{18}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{14}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2^{16}, 6^8\})$	4012416

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{13}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^9, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{10}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{2^{11}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^7, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2^8, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^5, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^6, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{2^3, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{3^2, 6^{16}\})$	4076894592
6	$\mathcal{O}(3; \{2, 6^{17}\})$	2038400640
6	$\mathcal{O}(2; \{2^{28}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{24}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{20}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{16}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{12}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^8, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^4, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{3^{25}\})$	13589544150
6	$\mathcal{O}(2; \{2^{29}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{25}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{21}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{17}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{13}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^9, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^5, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{30}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{26}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{22}, 3^6, 6^2\})$	111456

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{18}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{14}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{10}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^6, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{2^{27}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{23}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{19}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{15}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{11}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2^{24}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{20}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{16}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^8, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{3^{20}, 6^4\})$	7247758176
6	$\mathcal{O}(2; \{2^{25}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{21}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{17}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^{13}, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^9, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^5, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{22}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{18}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{14}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{15}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{11}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2^{20}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{16}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{12}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{3^{15}, 6^8\})$	3623877792

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{17}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{13}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^9, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{10}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{2^{15}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{11}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^7, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2^{12}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^8, 3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^9, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{10}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{2^7, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^3, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2^4, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^5, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{6^{20}\})$	452985696
6	$\mathcal{O}(1; \{2^{32}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{28}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{24}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{20}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{16}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{12}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^8, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^4, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{3^{28}\})$	2415919122
6	$\mathcal{O}(1; \{2^{33}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{29}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{25}, 3^8, 6\})$	6120

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{21}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{17}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{13}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^9, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^5, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{34}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{30}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{26}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{22}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{18}, 3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{14}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{10}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{2^{31}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{27}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{23}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{19}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{11}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2^{28}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{24}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{20}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{29}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{25}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{21}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{26}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{22}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^{10}, 6^6\})$	786456

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{2^{23}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{19}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2^{24}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{20}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{21}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{17}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{2^{19}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{15}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2^{16}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{12}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2, 3^{11}, 6^{13}\})$	201326616
6	$\mathcal{O}(1; \{2^{14}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^{14}\})$	1572840

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^6, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{2^{11}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^9, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^6, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2^4, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(0; \{2^{36}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{32}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{28}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{24}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{20}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{16}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{12}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^8, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^4, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^{37}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{33}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{29}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{25}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{21}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{17}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{13}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^9, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^5, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2, 3^{29}, 6\})$	357913942
6	$\mathcal{O}(0; \{2^{38}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{34}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{30}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{26}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{22}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{18}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{14}, 3^{18}, 6^2\})$	349526

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^6, 3^{24}, 6^2\})$	22369622
6	$\mathcal{O}(0; \{2^2, 3^{27}, 6^2\})$	178956970
6	$\mathcal{O}(0; \{2^{35}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{31}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^{27}, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^{23}, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{19}, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{15}, 3^{16}, 6^3\})$	174762
6	$\mathcal{O}(0; \{2^{11}, 3^{19}, 6^3\})$	1398102
6	$\mathcal{O}(0; \{2^7, 3^{22}, 6^3\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3^{25}, 6^3\})$	89478486
6	$\mathcal{O}(0; \{2^{32}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{28}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^{24}, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^{14}, 6^4\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{17}, 6^4\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{20}, 6^4\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{23}, 6^4\})$	44739242
6	$\mathcal{O}(0; \{3^{26}, 6^4\})$	357913942
6	$\mathcal{O}(0; \{2^{33}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{29}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^{25}, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^{12}, 6^5\})$	43690
6	$\mathcal{O}(0; \{2^{13}, 3^{15}, 6^5\})$	349526
6	$\mathcal{O}(0; \{2^9, 3^{18}, 6^5\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{21}, 6^5\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{24}, 6^5\})$	178956970
6	$\mathcal{O}(0; \{2^{30}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^{26}, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^{13}, 6^6\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{19}, 6^6\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{22}, 6^6\})$	89478486
6	$\mathcal{O}(0; \{2^{27}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{23}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{14}, 6^7\})$	699050

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^7, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2^{28}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{24}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{25}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{21}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{22}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{2^{23}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{19}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2^{20}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{3^{16}, 6^{12}\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{18}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^{14}\})$	349526

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{2^{15}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{13}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2^8, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^5, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{2^3, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{3, 6^{24}\})$	11184810
7	$\mathcal{O}(9; \emptyset)$	1628413597910448
7	$\mathcal{O}(6; \{7^7\})$	553513075167990
7	$\mathcal{O}(3; \{7^{14}\})$	1317066506062314
7	$\mathcal{O}(0; \{7^{21}\})$	3133850091482550
8	$\mathcal{O}(8; \emptyset)$	281470681743360
8	$\mathcal{O}(7; \{2^4\})$	4397778075648
8	$\mathcal{O}(7; \{2, 4^2\})$	8795556151296
8	$\mathcal{O}(6; \{2^8\})$	68702699520
8	$\mathcal{O}(6; \{2^5, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^2, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{2^3, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^{12}\})$	1072693248
8	$\mathcal{O}(5; \{2^9, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^6, 4^4\})$	8581545984

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(5; \{2^3, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^7, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^4, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^5, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^2, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{4, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^{16}\})$	16711680
8	$\mathcal{O}(4; \{2^{13}, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^{10}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^7, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^4, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{11}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^8, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^5, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^2, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^9, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^6, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^3, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^4, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^2, 8^8\})$	274877906944
8	$\mathcal{O}(3; \{2^{20}\})$	258048
8	$\mathcal{O}(3; \{2^{17}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{14}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{11}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^8, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^5, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^2, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{2^{15}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{12}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^9, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^6, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^3, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^{13}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{10}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^7, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^4, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2, 4^8, 8^4\})$	4294967296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^8, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^5, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^2, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{2^6, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^3, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2, 4, 8^{10}\})$	137438953472
8	$\mathcal{O}(2; \{2^{24}\})$	3840
8	$\mathcal{O}(2; \{2^{21}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{18}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{15}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{12}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^9, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^6, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^3, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{19}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{16}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{13}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{10}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^7, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^4, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{17}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{14}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{11}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^8, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^5, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^2, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{2^{12}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^9, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^6, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^3, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{10}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^7, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^4, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^5, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^2, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{2^3, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^{28}\})$	48

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{25}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{22}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{19}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{16}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{13}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{10}, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^7, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^4, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{23}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{20}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{17}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{14}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{11}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^8, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^5, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^2, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{2^{21}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{18}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{15}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{12}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^9, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^6, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^3, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^{16}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{13}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{10}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^7, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^4, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{14}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{11}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^8, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^5, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^2, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^9, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^6, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^3, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^7, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^4, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2, 4^4, 8^{12}\})$	4294967296

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^2, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^{27}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{24}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{21}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{18}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{15}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{12}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^9, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^6, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^3, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{25}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{22}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{19}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{16}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{13}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{10}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^7, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^4, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{20}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{17}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{14}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{11}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^8, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^5, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^2, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{2^{18}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{15}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{12}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^9, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^6, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^3, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{13}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{10}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^7, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^4, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{11}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^8, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^5, 4^4, 8^{12}\})$	67108864

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^2, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^6, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^3, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^4, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2, 4^2, 8^{16}\})$	4294967296
9	$\mathcal{O}(6; \{3, 9^2\})$	3389154437772
9	$\mathcal{O}(5; \{3^4, 9^2\})$	334731302496
9	$\mathcal{O}(5; \{9^5\})$	2824295364810
9	$\mathcal{O}(4; \{3^7, 9^2\})$	33059881728
9	$\mathcal{O}(4; \{3^3, 9^5\})$	278942752080
9	$\mathcal{O}(3; \{3^{10}, 9^2\})$	3265173504
9	$\mathcal{O}(3; \{3^6, 9^5\})$	27549901440
9	$\mathcal{O}(3; \{3^2, 9^8\})$	399817944648
9	$\mathcal{O}(2; \{3^{13}, 9^2\})$	322486272
9	$\mathcal{O}(2; \{3^9, 9^5\})$	2720977920
9	$\mathcal{O}(2; \{3^5, 9^8\})$	39488192064
9	$\mathcal{O}(2; \{3, 9^{11}\})$	528441546996
9	$\mathcal{O}(1; \{3^{16}, 9^2\})$	31850496
9	$\mathcal{O}(1; \{3^{12}, 9^5\})$	268738560
9	$\mathcal{O}(1; \{3^8, 9^8\})$	3900068352
9	$\mathcal{O}(1; \{3^4, 9^{11}\})$	52191757728
9	$\mathcal{O}(1; \{9^{14}\})$	705363570306
9	$\mathcal{O}(0; \{3^{19}, 9^2\})$	3145728
9	$\mathcal{O}(0; \{3^{15}, 9^5\})$	26542080
9	$\mathcal{O}(0; \{3^{11}, 9^8\})$	385191936
9	$\mathcal{O}(0; \{3^7, 9^{11}\})$	5154741504
9	$\mathcal{O}(0; \{3^3, 9^{14}\})$	69665537808
10	$\mathcal{O}(5; \{5^4\})$	519492187500
10	$\mathcal{O}(5; \{2^3, 5, 10\})$	40000000000
10	$\mathcal{O}(5; \{2, 10^3\})$	120000000000
10	$\mathcal{O}(4; \{2^4, 5^4\})$	5200000000
10	$\mathcal{O}(4; \{2^7, 5, 10\})$	400000000
10	$\mathcal{O}(4; \{2^2, 5^3, 10^2\})$	20400000000
10	$\mathcal{O}(4; \{2^5, 10^3\})$	1200000000
10	$\mathcal{O}(4; \{5^2, 10^4\})$	82000000000
10	$\mathcal{O}(3; \{2^8, 5^4\})$	52000000
10	$\mathcal{O}(3; \{5^9\})$	51608812500
10	$\mathcal{O}(3; \{2^{11}, 5, 10\})$	4000000
10	$\mathcal{O}(3; \{2^3, 5^6, 10\})$	3276000000
10	$\mathcal{O}(3; \{2^6, 5^3, 10^2\})$	204000000
10	$\mathcal{O}(3; \{2^9, 10^3\})$	12000000
10	$\mathcal{O}(3; \{2, 5^5, 10^3\})$	13108000000

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^4, 5^2, 10^4\})$	820000000
10	$\mathcal{O}(3; \{2^2, 5, 10^6\})$	3276000000
10	$\mathcal{O}(3; \{10^8\})$	13108000000
10	$\mathcal{O}(2; \{2^{12}, 5^4\})$	520000
10	$\mathcal{O}(2; \{2^4, 5^9\})$	524280000
10	$\mathcal{O}(2; \{2^{15}, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2^7, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{2^2, 5^8, 10^2\})$	2097160000
10	$\mathcal{O}(2; \{2^{13}, 10^3\})$	120000
10	$\mathcal{O}(2; \{2^5, 5^5, 10^3\})$	131080000
10	$\mathcal{O}(2; \{2^8, 5^2, 10^4\})$	8200000
10	$\mathcal{O}(2; \{5^7, 10^4\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^4, 10^5\})$	524280000
10	$\mathcal{O}(2; \{2^6, 5, 10^6\})$	32760000
10	$\mathcal{O}(2; \{2, 5^3, 10^7\})$	2097160000
10	$\mathcal{O}(2; \{2^4, 10^8\})$	131080000
10	$\mathcal{O}(1; \{2^{16}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^8, 5^9\})$	5242800
10	$\mathcal{O}(1; \{5^{14}\})$	4026531900
10	$\mathcal{O}(1; \{2^{19}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^{11}, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2^3, 5^{11}, 10\})$	335544400
10	$\mathcal{O}(1; \{2^{14}, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^6, 5^8, 10^2\})$	20971600
10	$\mathcal{O}(1; \{2^{17}, 10^3\})$	1200
10	$\mathcal{O}(1; \{2^9, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2, 5^{10}, 10^3\})$	1342177200
10	$\mathcal{O}(1; \{2^{12}, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{2^4, 5^7, 10^4\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^{10}, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^6, 10^6\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5^3, 10^7\})$	20971600
10	$\mathcal{O}(1; \{2^8, 10^8\})$	1310800
10	$\mathcal{O}(1; \{5^5, 10^8\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 5^2, 10^9\})$	83886000
10	$\mathcal{O}(1; \{2, 5, 10^{11}\})$	335544400
10	$\mathcal{O}(0; \{2^{20}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^{12}, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^4, 5^{14}\})$	53687092
10	$\mathcal{O}(0; \{2^{23}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^{15}, 5^6, 10\})$	3276

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^{18}, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^{10}, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^{13}, 10^2\})$	214748364
10	$\mathcal{O}(0; \{2^{21}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^{13}, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^{10}, 10^3\})$	13421772
10	$\mathcal{O}(0; \{2^{16}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^8, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{5^{12}, 10^4\})$	858993460
10	$\mathcal{O}(0; \{2^{11}, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^9, 10^5\})$	53687092
10	$\mathcal{O}(0; \{2^{14}, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{2^6, 5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2, 5^8, 10^7\})$	214748364
10	$\mathcal{O}(0; \{2^{12}, 10^8\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^5, 10^8\})$	13421772
10	$\mathcal{O}(0; \{2^7, 5^2, 10^9\})$	838860
10	$\mathcal{O}(0; \{2^2, 5^4, 10^{10}\})$	53687092
10	$\mathcal{O}(0; \{2^5, 5, 10^{11}\})$	3355444
10	$\mathcal{O}(0; \{5^3, 10^{12}\})$	214748364
10	$\mathcal{O}(0; \{2^3, 10^{13}\})$	13421772
11	$\mathcal{O}(2; \{11^9\})$	1330999986690
12	$\mathcal{O}(5; \{3^2\})$	123713796096
12	$\mathcal{O}(4; \{2^4, 3^2\})$	856604160
12	$\mathcal{O}(4; \{3^5\})$	4283020800
12	$\mathcal{O}(4; \{2, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2, 3^3, 6\})$	2569812480
12	$\mathcal{O}(4; \{2^2, 3, 6^2\})$	856604160
12	$\mathcal{O}(4; \{6^4\})$	2569812480
12	$\mathcal{O}(4; \{2^2, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^3, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(3; \{2^8, 3^2\})$	5878656
12	$\mathcal{O}(3; \{2^4, 3^5\})$	29393280
12	$\mathcal{O}(3; \{3^8\})$	252782208
12	$\mathcal{O}(3; \{2^5, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^2, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3^3, 6\})$	17635968

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2, 3^6, 6\})$	123451776
12	$\mathcal{O}(3; \{2^2, 3^3, 4^2, 6\})$	35831808
12	$\mathcal{O}(3; \{2^6, 3, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^2, 3^4, 6^2\})$	64665216
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^3, 3^2, 6^3\})$	29393280
12	$\mathcal{O}(3; \{3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^4, 6^4\})$	17635968
12	$\mathcal{O}(3; \{3^3, 6^4\})$	123451776
12	$\mathcal{O}(3; \{2, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2, 3, 6^5\})$	64665216
12	$\mathcal{O}(3; \{2^6, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^3, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^4, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{2^7, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^3, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2^4, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^2, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^2, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2^2, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{4, 12^5\})$	955514880
12	$\mathcal{O}(2; \{2^{12}, 3^2\})$	38880
12	$\mathcal{O}(2; \{2^8, 3^5\})$	194400
12	$\mathcal{O}(2; \{2^4, 3^8\})$	1671840
12	$\mathcal{O}(2; \{3^{11}\})$	13258080
12	$\mathcal{O}(2; \{2^9, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^5, 4^2\})$	414720

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^3, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^9, 3^3, 6\})$	116640
12	$\mathcal{O}(2; \{2^5, 3^6, 6\})$	816480
12	$\mathcal{O}(2; \{2, 3^9, 6\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^{10}, 3, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^6, 3^4, 6^2\})$	427680
12	$\mathcal{O}(2; \{2^2, 3^7, 6^2\})$	3304800
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^7, 3^2, 6^3\})$	194400
12	$\mathcal{O}(2; \{2^3, 3^5, 6^3\})$	1671840
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^8, 6^4\})$	116640
12	$\mathcal{O}(2; \{2^4, 3^3, 6^4\})$	816480
12	$\mathcal{O}(2; \{3^6, 6^4\})$	6648480
12	$\mathcal{O}(2; \{2^5, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^2, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{2^5, 3, 6^5\})$	427680
12	$\mathcal{O}(2; \{2, 3^4, 6^5\})$	3304800
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{2^2, 3^2, 6^6\})$	1671840
12	$\mathcal{O}(2; \{2^3, 6^7\})$	816480
12	$\mathcal{O}(2; \{4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{3, 6^8\})$	3304800
12	$\mathcal{O}(2; \{2^{10}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^4, 4^3, 12\})$	1658880

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^4, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2, 3^2, 4^5, 6, 12\})$	3981312
12	$\mathcal{O}(2; \{2^8, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^5, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^2, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^3, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^{11}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^7, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^8, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^4, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^5, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^2, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^8, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^4, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^6, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^3, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{4^4, 6^3, 12^2\})$	6635520

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{3, 4^2, 6^4, 12^2\})$	6967296
12	$\mathcal{O}(2; \{3^2, 6^5, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2, 3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^6, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^3, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^3, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{3^2, 4, 6^3, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^6, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{3, 4^4, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^3, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^4, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^4, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^2, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{12^8\})$	228261888
12	$\mathcal{O}(1; \{2^{16}, 3^2\})$	216
12	$\mathcal{O}(1; \{2^{12}, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^8, 3^8\})$	9288
12	$\mathcal{O}(1; \{2^4, 3^{11}\})$	73656
12	$\mathcal{O}(1; \{3^{14}\})$	589896
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^9, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^5, 4^4\})$	11520

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^7, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2^4, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^{13}, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{2^9, 3^6, 6\})$	4536
12	$\mathcal{O}(1; \{2^5, 3^9, 6\})$	36936
12	$\mathcal{O}(1; \{2, 3^{12}, 6\})$	294840
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^{14}, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{2^{10}, 3^4, 6^2\})$	2376
12	$\mathcal{O}(1; \{2^6, 3^7, 6^2\})$	18360
12	$\mathcal{O}(1; \{2^2, 3^{10}, 6^2\})$	147528
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6^3\})$	1080
12	$\mathcal{O}(1; \{2^7, 3^5, 6^3\})$	9288
12	$\mathcal{O}(1; \{2^3, 3^8, 6^3\})$	73656
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{2^{12}, 6^4\})$	648
12	$\mathcal{O}(1; \{2^8, 3^3, 6^4\})$	4536
12	$\mathcal{O}(1; \{2^4, 3^6, 6^4\})$	36936

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^9, 6^4\})$	294840
12	$\mathcal{O}(1; \{2^9, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^4\})$	12096
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^6, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^9, 3, 6^5\})$	2376
12	$\mathcal{O}(1; \{2^5, 3^4, 6^5\})$	18360
12	$\mathcal{O}(1; \{2, 3^7, 6^5\})$	147528
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^6, 3^2, 6^6\})$	9288
12	$\mathcal{O}(1; \{2^2, 3^5, 6^6\})$	73656
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^7, 6^7\})$	4536
12	$\mathcal{O}(1; \{2^3, 3^3, 6^7\})$	36936
12	$\mathcal{O}(1; \{2^4, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^4, 3, 6^8\})$	18360
12	$\mathcal{O}(1; \{3^4, 6^8\})$	147528
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{2, 3^2, 6^9\})$	73656
12	$\mathcal{O}(1; \{2^2, 6^{10}\})$	36936
12	$\mathcal{O}(1; \{2^{14}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^{11}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^2, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4, 6, 12\})$	1728

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^7, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2, 3^5, 4^5, 6, 12\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{2^{12}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^9, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^6, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^3, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^9, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^7, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{2^4, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^2, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{2^{15}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{11}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^7, 3^6, 12^2\})$	24768

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{12}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^9, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^6, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^{12}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^8, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{3, 4^8, 6, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^9, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^{10}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^7, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^4, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2, 4^6, 6^3, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^7, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^4, 12^2\})$	193536

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^5, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^2, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^{10}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^7, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^4, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^7, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2, 3, 4^5, 6^2, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^5, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^2, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^{10}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^6, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{3^4, 4^4, 12^4\})$	1585152

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^7, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^8, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^5, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^2, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^5, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^3, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{3^6, 4, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2^5, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^2, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{2^5, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^3, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^6, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{3, 4^2, 6^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2, 6^4, 12^6\})$	1575936

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^4, 12^8\})$	1585152
12	$\mathcal{O}(1; \{3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^6, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^7, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^3, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^8, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^4, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^6, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^7, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^3, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^4, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 6^2\})$	2732

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^7, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{3^3, 4^8, 6^4\})$	5376
12	$\mathcal{O}(0; \{2, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^6\})$	172

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^8, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^5, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^2, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{2^3, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^{18}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^6, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^{15}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^7, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^8, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^4, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^9, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^5, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^3, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^8, 3^5, 4^3, 6, 12\})$	336

Continued on next page

Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^5, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^2, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^{16}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^7, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2^4, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6^3, 12\})$	2752
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^4, 12\})$	2736

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^{11}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{2^8, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^5, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^2, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^3, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{4^5, 6^8, 12\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{3, 4^3, 6^9, 12\})$	5456
12	$\mathcal{O}(0; \{3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^{19}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{15}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{11}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^7, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{16}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^{13}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2, 3^9, 4^4, 12^2\})$	21824

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^3, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^4, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^{16}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{12}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^8, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^4, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^{13}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^4, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{3^4, 4^8, 6, 12^2\})$	21504
12	$\mathcal{O}(0; \{2, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{13}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^9, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^{14}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^3, 12^2\})$	688

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^8, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^5, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^2, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^8, 6^5, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^9, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^6, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^3, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^6, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^4, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^3, 6^9, 12^2\})$	10924
12	$\mathcal{O}(0; \{2, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^9, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^5, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2, 3^{11}, 4, 12^3\})$	43696

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^6, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^{14}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^7, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^8, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^4, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^5, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^2, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^9, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^6, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^3, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{4^7, 6^4, 12^3\})$	21504

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^4, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{14}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{10}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^6, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^{11}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^7, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^{12}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^8, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^9, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^6, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^3, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{4^8, 6^2, 12^4\})$	45056

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^5, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^4, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^2, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^{12}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^9, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^6, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^3, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^9, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{3^2, 4^5, 6^2, 12^5\})$	87040

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^4, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{3^3, 4^3, 6^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^2, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^{10}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^6, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^4, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^7, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^5, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^2, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^7, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2, 3, 4^5, 12^7\})$	176128

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^5, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^8, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^5, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^2, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{2^5, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^3, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^3, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^3, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2, 4, 12^{11}\})$	1396736
13	$\mathcal{O}(3; \{13^5\})$	92385124260
14	$\mathcal{O}(5; \emptyset)$	288972178704
14	$\mathcal{O}(4; \{2^4\})$	1475788800
14	$\mathcal{O}(3; \{2^8\})$	7529472
14	$\mathcal{O}(3; \{2, 7^3, 14\})$	1400493696
14	$\mathcal{O}(2; \{2^{12}\})$	38400
14	$\mathcal{O}(2; \{7^7\})$	1440239850
14	$\mathcal{O}(2; \{2^5, 7^3, 14\})$	7145376
14	$\mathcal{O}(2; \{2^3, 7^2, 14^3\})$	42641760
14	$\mathcal{O}(2; \{2, 7, 14^5\})$	256081056
14	$\mathcal{O}(1; \{2^{16}\})$	192
14	$\mathcal{O}(1; \{2^4, 7^7\})$	7838040
14	$\mathcal{O}(1; \{2^9, 7^3, 14\})$	36456

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^2, 7^6, 14^2\})$	47029416
14	$\mathcal{O}(1; \{2^7, 7^2, 14^3\})$	217560
14	$\mathcal{O}(1; \{7^5, 14^4\})$	282175320
14	$\mathcal{O}(1; \{2^5, 7, 14^5\})$	1306536
14	$\mathcal{O}(1; \{2^3, 14^7\})$	7838040
14	$\mathcal{O}(0; \{2^8, 7^7\})$	39990
14	$\mathcal{O}(0; \{2^{13}, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2, 7^{10}, 14\})$	51828150
14	$\mathcal{O}(0; \{2^6, 7^6, 14^2\})$	239946
14	$\mathcal{O}(0; \{2^{11}, 7^2, 14^3\})$	1110
14	$\mathcal{O}(0; \{2^4, 7^5, 14^4\})$	1439670
14	$\mathcal{O}(0; \{2^9, 7, 14^5\})$	6666
14	$\mathcal{O}(0; \{2^2, 7^4, 14^6\})$	8638026
14	$\mathcal{O}(0; \{2^7, 14^7\})$	39990
14	$\mathcal{O}(0; \{7^3, 14^8\})$	51828150
15	$\mathcal{O}(3; \{5^2, 15^2\})$	1184625000
15	$\mathcal{O}(3; \{3, 15^3\})$	820125000
15	$\mathcal{O}(2; \{3^2, 5^4, 15\})$	20655000
15	$\mathcal{O}(2; \{3^3, 5^2, 15^2\})$	26325000
15	$\mathcal{O}(2; \{3^4, 15^3\})$	25515000
15	$\mathcal{O}(2; \{5, 15^5\})$	415125000
15	$\mathcal{O}(1; \{3^4, 5^6\})$	1107000
15	$\mathcal{O}(1; \{3^5, 5^4, 15\})$	1009800
15	$\mathcal{O}(1; \{3^6, 5^2, 15^2\})$	1006200
15	$\mathcal{O}(1; \{5^7, 15^2\})$	23592600
15	$\mathcal{O}(1; \{3^7, 15^3\})$	923400
15	$\mathcal{O}(1; \{3, 5^5, 15^3\})$	17695800
15	$\mathcal{O}(1; \{3^2, 5^3, 15^4\})$	16216200
15	$\mathcal{O}(1; \{3^3, 5, 15^5\})$	15867000
15	$\mathcal{O}(1; \{15^8\})$	253639800
15	$\mathcal{O}(0; \{3^7, 5^6\})$	34440
15	$\mathcal{O}(0; \{3^8, 5^4, 15\})$	34680
15	$\mathcal{O}(0; \{3^2, 5^9, 15\})$	419432
15	$\mathcal{O}(0; \{3^9, 5^2, 15^2\})$	35464
15	$\mathcal{O}(0; \{3^3, 5^7, 15^2\})$	524280
15	$\mathcal{O}(0; \{3^{10}, 15^3\})$	32760
15	$\mathcal{O}(0; \{3^4, 5^5, 15^3\})$	550536
15	$\mathcal{O}(0; \{3^5, 5^3, 15^4\})$	556920
15	$\mathcal{O}(0; \{3^6, 5, 15^5\})$	559240
15	$\mathcal{O}(0; \{5^6, 15^5\})$	8388600
15	$\mathcal{O}(0; \{3, 5^4, 15^6\})$	8808072
15	$\mathcal{O}(0; \{3^2, 5^2, 15^7\})$	8912760
15	$\mathcal{O}(0; \{3^3, 15^8\})$	8939656

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(4; \{2^2\})$	4278190080
16	$\mathcal{O}(3; \{2^6\})$	16515072
16	$\mathcal{O}(3; \{2^3, 4^2\})$	33030144
16	$\mathcal{O}(3; \{4^4\})$	132120576
16	$\mathcal{O}(3; \{2, 4, 8^2\})$	132120576
16	$\mathcal{O}(2; \{2^{10}\})$	61440
16	$\mathcal{O}(2; \{2^7, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^4, 4^4\})$	491520
16	$\mathcal{O}(2; \{2, 4^6\})$	1966080
16	$\mathcal{O}(2; \{2^5, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{2^2, 4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2^3, 8^4\})$	3932160
16	$\mathcal{O}(2; \{4^2, 8^4\})$	15728640
16	$\mathcal{O}(2; \{2^3, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(2; \{4^3, 8, 16^2\})$	16777216
16	$\mathcal{O}(2; \{2, 8^3, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2, 4, 16^4\})$	67108864
16	$\mathcal{O}(1; \{2^{14}\})$	192
16	$\mathcal{O}(1; \{2^{11}, 4^2\})$	384
16	$\mathcal{O}(1; \{2^8, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^5, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^2, 4^8\})$	24576
16	$\mathcal{O}(1; \{2^9, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^6, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^3, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{4^7, 8^2\})$	98304
16	$\mathcal{O}(1; \{2^7, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^4, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2, 4^4, 8^4\})$	196608
16	$\mathcal{O}(1; \{2^2, 4, 8^6\})$	393216
16	$\mathcal{O}(1; \{8^8\})$	3145728
16	$\mathcal{O}(1; \{2^7, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^4, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2, 4^5, 8, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^5, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^2, 4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{4, 8^5, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^5, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{2^2, 4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2^3, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(1; \{4^2, 8^2, 16^4\})$	8388608
16	$\mathcal{O}(1; \{2, 8, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^{11}, 4, 8, 16^2\})$	64

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^8, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^5, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^2, 4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^9, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^6, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^3, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{4^6, 8^3, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^4, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2, 4^3, 8^5, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^2, 8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^9, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^6, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^3, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{4^7, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^7, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2, 4^4, 8^2, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^2, 4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{8^6, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^5, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{2^2, 4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{4, 8^3, 16^6\})$	4194304
16	$\mathcal{O}(0; \{2^3, 16^8\})$	2097152
16	$\mathcal{O}(0; \{4^2, 16^8\})$	8388608
17	$\mathcal{O}(1; \{17^7\})$	4563402480
18	$\mathcal{O}(2; \{3, 9^4\})$	31886460
18	$\mathcal{O}(2; \{2^3, 9^2, 18\})$	1889568
18	$\mathcal{O}(2; \{3, 6, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2^2, 3^2, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2^3, 6, 18^2\})$	1259712
18	$\mathcal{O}(2; \{3, 6^2, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2, 9, 18^3\})$	17006112
18	$\mathcal{O}(1; \{2^4, 3, 9^4\})$	104976
18	$\mathcal{O}(1; \{3^4, 9^4\})$	629856
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^2, 6^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{9^7\})$	7440174
18	$\mathcal{O}(1; \{2^7, 9^2, 18\})$	5832
18	$\mathcal{O}(1; \{2^3, 3^3, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^4, 3, 6, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{3^4, 6, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^2, 6^3, 9^2, 18\})$	46656

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{6, 9^5, 18\})$	3464208
18	$\mathcal{O}(1; \{2^6, 3^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^2, 3^5, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^7, 6, 18^2\})$	3888
18	$\mathcal{O}(1; \{2^3, 3^3, 6, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^4, 3, 6^2, 18^2\})$	15552
18	$\mathcal{O}(1; \{3^4, 6^2, 18^2\})$	124416
18	$\mathcal{O}(1; \{2, 3^2, 6^3, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^2, 6^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 3, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{6^2, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^5, 9, 18^3\})$	52488
18	$\mathcal{O}(1; \{2, 3^3, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^2, 3, 6, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{6^3, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{3, 9^2, 18^4\})$	3464208
18	$\mathcal{O}(1; \{2^3, 18^5\})$	262440
18	$\mathcal{O}(1; \{3, 6, 18^5\})$	1049760
18	$\mathcal{O}(0; \{2^8, 3, 9^4\})$	324
18	$\mathcal{O}(0; \{2^4, 3^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^4\})$	1296
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^6, 6^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^4\})$	2592
18	$\mathcal{O}(0; \{3^2, 6^4, 9^4\})$	10368
18	$\mathcal{O}(0; \{2, 6^5, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 9^7\})$	30618
18	$\mathcal{O}(0; \{2, 3, 6, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^{11}, 9^2, 18\})$	18
18	$\mathcal{O}(0; \{2^7, 3^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^3, 3^6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^8, 3, 6, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{3^7, 6, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^6, 6^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{3^2, 6^5, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2, 6^6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^2, 9^5, 18\})$	21384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^4, 6, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{3^3, 6, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^{10}, 3^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^6, 3^5, 18^2\})$	192
18	$\mathcal{O}(0; \{2^2, 3^8, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^{11}, 6, 18^2\})$	12
18	$\mathcal{O}(0; \{2^7, 3^3, 6, 18^2\})$	96
18	$\mathcal{O}(0; \{2^3, 3^6, 6, 18^2\})$	768
18	$\mathcal{O}(0; \{2^8, 3, 6^2, 18^2\})$	48
18	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 18^2\})$	384
18	$\mathcal{O}(0; \{3^7, 6^2, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 18^2\})$	192
18	$\mathcal{O}(0; \{2, 3^5, 6^3, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^6, 6^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 18^2\})$	768
18	$\mathcal{O}(0; \{2^3, 3, 6^5, 18^2\})$	384
18	$\mathcal{O}(0; \{3^2, 6^6, 18^2\})$	1536
18	$\mathcal{O}(0; \{2, 6^7, 18^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^4, 6^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{3^3, 6^2, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^2, 9^6, 18^2\})$	188082
18	$\mathcal{O}(0; \{2^9, 9, 18^3\})$	162
18	$\mathcal{O}(0; \{2^5, 3^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2, 3^6, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^6, 3, 6, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^4, 6^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{3^3, 6^3, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2, 3, 6^4, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2, 3^2, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^2, 6, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{2^4, 3, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{3^4, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^2, 6^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{9^5, 18^4\})$	1115370
18	$\mathcal{O}(0; \{2^7, 18^5\})$	810

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 3^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^4, 3, 6, 18^5\})$	3240
18	$\mathcal{O}(0; \{3^4, 6, 18^5\})$	25920
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^2, 6^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{6, 9^3, 18^5\})$	376164
18	$\mathcal{O}(0; \{2^2, 3, 9, 18^6\})$	61236
18	$\mathcal{O}(0; \{6^2, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{3, 18^8\})$	376164
19	$\mathcal{O}(3; \{19^2\})$	846825858
20	$\mathcal{O}(3; \{5^2\})$	252000000
20	$\mathcal{O}(2; \{2^4, 5^2\})$	600000
20	$\mathcal{O}(2; \{2, 4^2, 5^2\})$	1280000
20	$\mathcal{O}(2; \{2^2, 5, 10^2\})$	1800000
20	$\mathcal{O}(2; \{10^4\})$	7800000
20	$\mathcal{O}(2; \{2^2, 4, 10, 20\})$	1280000
20	$\mathcal{O}(2; \{5, 10, 20^2\})$	16640000
20	$\mathcal{O}(2; \{4, 20^3\})$	15360000
20	$\mathcal{O}(1; \{2^8, 5^2\})$	1200
20	$\mathcal{O}(1; \{2^5, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^4, 5^2\})$	12800
20	$\mathcal{O}(1; \{5^7\})$	982800
20	$\mathcal{O}(1; \{2^3, 5^4, 10\})$	61200
20	$\mathcal{O}(1; \{4^2, 5^4, 10\})$	163200
20	$\mathcal{O}(1; \{2^6, 5, 10^2\})$	3600
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{4^4, 5, 10^2\})$	38400
20	$\mathcal{O}(1; \{2, 5^3, 10^3\})$	246000
20	$\mathcal{O}(1; \{2^4, 10^4\})$	15600
20	$\mathcal{O}(1; \{2, 4^2, 10^4\})$	41600
20	$\mathcal{O}(1; \{2^3, 4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{4^3, 5^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^6, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{2^3, 4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{4^5, 10, 20\})$	51200
20	$\mathcal{O}(1; \{2, 4, 5^2, 10^2, 20\})$	163200
20	$\mathcal{O}(1; \{2, 5^4, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{2, 4^2, 5, 10, 20^2\})$	166400
20	$\mathcal{O}(1; \{2^2, 10^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^4, 4, 20^3\})$	38400
20	$\mathcal{O}(1; \{2, 4^3, 20^3\})$	153600
20	$\mathcal{O}(1; \{2^2, 5, 20^4\})$	652800

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{10^2, 20^4\})$	2624000
20	$\mathcal{O}(0; \{2^9, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{2^6, 4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{2^3, 4^6, 5^2\})$	128
20	$\mathcal{O}(0; \{4^8, 5^2\})$	512
20	$\mathcal{O}(0; \{2, 4^2, 5^7\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^2, 5^4, 10\})$	408
20	$\mathcal{O}(0; \{2, 4^4, 5^4, 10\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 10^2\})$	96
20	$\mathcal{O}(0; \{2, 4^6, 5, 10^2\})$	384
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10^3\})$	1640
20	$\mathcal{O}(0; \{2^5, 4^2, 10^4\})$	104
20	$\mathcal{O}(0; \{2^2, 4^4, 10^4\})$	416
20	$\mathcal{O}(0; \{4^2, 5^2, 10^5\})$	6552
20	$\mathcal{O}(0; \{2^7, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^4, 4^3, 5^3, 20\})$	416
20	$\mathcal{O}(0; \{2, 4^5, 5^3, 20\})$	1664
20	$\mathcal{O}(0; \{2^{10}, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2^7, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2^4, 4^5, 10, 20\})$	128
20	$\mathcal{O}(0; \{2, 4^7, 10, 20\})$	512
20	$\mathcal{O}(0; \{2^2, 4, 5^5, 10, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 10^2, 20\})$	408
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 10^2, 20\})$	1632
20	$\mathcal{O}(0; \{4, 5^4, 10^3, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^4, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 5, 10^4, 20\})$	6560
20	$\mathcal{O}(0; \{2, 4, 10^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 5^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^8, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10, 20^2\})$	416
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10, 20^2\})$	1664
20	$\mathcal{O}(0; \{5^6, 10, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 5^3, 10^2, 20^2\})$	6552
20	$\mathcal{O}(0; \{4^2, 5^3, 10^2, 20^2\})$	26208
20	$\mathcal{O}(0; \{2^6, 10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^3, 4^2, 10^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{4^4, 10^3, 20^2\})$	6528
20	$\mathcal{O}(0; \{2, 5^2, 10^4, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^8, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{2^5, 4^3, 20^3\})$	384

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^5, 20^3\})$	1536
20	$\mathcal{O}(0; \{4, 5^5, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10, 20^3\})$	6560
20	$\mathcal{O}(0; \{4^3, 5^2, 10, 20^3\})$	26240
20	$\mathcal{O}(0; \{2, 4, 5, 10^3, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^6, 5, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 20^4\})$	6528
20	$\mathcal{O}(0; \{4^4, 5, 20^4\})$	26112
20	$\mathcal{O}(0; \{2, 5^3, 10, 20^4\})$	104864
20	$\mathcal{O}(0; \{2^4, 10^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{2, 4^2, 10^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2, 4, 5^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^2, 10, 20^6\})$	104832
20	$\mathcal{O}(0; \{20^8\})$	1677824
21	$\mathcal{O}(3; \{3^2\})$	171530784
21	$\mathcal{O}(2; \{3^5\})$	1944000
21	$\mathcal{O}(2; \{3, 7^2, 21\})$	11668860
21	$\mathcal{O}(1; \{3^8\})$	37152
21	$\mathcal{O}(1; \{3^4, 7^2, 21\})$	132300
21	$\mathcal{O}(1; \{7^4, 21^2\})$	5879412
21	$\mathcal{O}(1; \{3, 7, 21^4\})$	4895100
21	$\mathcal{O}(0; \{3^2, 7^7\})$	79980
21	$\mathcal{O}(0; \{3^7, 7^2, 21\})$	2580
21	$\mathcal{O}(0; \{3^3, 7^4, 21^2\})$	66660
21	$\mathcal{O}(0; \{3^4, 7, 21^4\})$	95460
21	$\mathcal{O}(0; \{7^3, 21^5\})$	2399460
21	$\mathcal{O}(0; \{3, 21^7\})$	3439140
22	$\mathcal{O}(1; \{2, 11^4, 22\})$	4399560
22	$\mathcal{O}(0; \{2^5, 11^4, 22\})$	9090
22	$\mathcal{O}(0; \{2^3, 11^3, 22^3\})$	90910
22	$\mathcal{O}(0; \{2, 11^2, 22^5\})$	909090
23	$\mathcal{O}(2; \{23^3\})$	129286542
24	$\mathcal{O}(2; \{3^4\})$	1866240
24	$\mathcal{O}(2; \{2, 3^2, 6\})$	622080
24	$\mathcal{O}(2; \{2^2, 6^2\})$	622080
24	$\mathcal{O}(2; \{6, 12^2\})$	1244160
24	$\mathcal{O}(2; \{6, 8, 24\})$	2654208
24	$\mathcal{O}(2; \{4, 24^2\})$	5308416
24	$\mathcal{O}(1; \{2^4, 3^4\})$	2592
24	$\mathcal{O}(1; \{3^7\})$	18144
24	$\mathcal{O}(1; \{2, 3^4, 4^2\})$	5184
24	$\mathcal{O}(1; \{2^5, 3^2, 6\})$	864
24	$\mathcal{O}(1; \{2, 3^5, 6\})$	9504

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^6, 6^2\})$	864
24	$\mathcal{O}(1; \{2^2, 3^3, 6^2\})$	4320
24	$\mathcal{O}(1; \{2^3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{4^4, 6^2\})$	6912
24	$\mathcal{O}(1; \{2^3, 3, 6^3\})$	2592
24	$\mathcal{O}(1; \{3, 4^2, 6^3\})$	5184
24	$\mathcal{O}(1; \{3^2, 6^4\})$	9504
24	$\mathcal{O}(1; \{2, 6^5\})$	4320
24	$\mathcal{O}(1; \{3^2, 4, 6, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 3^3, 4, 12\})$	5184
24	$\mathcal{O}(1; \{2^3, 3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{3, 4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{3^2, 4, 6^2, 12\})$	8640
24	$\mathcal{O}(1; \{2, 4, 6^3, 12\})$	5184
24	$\mathcal{O}(1; \{3^3, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{2, 3, 6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^3, 3^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{3^2, 4^2, 12^2\})$	20736
24	$\mathcal{O}(1; \{2^4, 6, 12^2\})$	1728
24	$\mathcal{O}(1; \{3^3, 6, 12^2\})$	19008
24	$\mathcal{O}(1; \{2, 4^2, 6, 12^2\})$	6912
24	$\mathcal{O}(1; \{2, 3, 6^2, 12^2\})$	8640
24	$\mathcal{O}(1; \{2, 3, 4, 12^3\})$	20736
24	$\mathcal{O}(1; \{2^2, 12^4\})$	20736
24	$\mathcal{O}(1; \{2^3, 3^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3^2, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2^4, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3^3, 6, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3, 6^2, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2, 3, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 8, 12^2, 24\})$	18432
24	$\mathcal{O}(1; \{2^4, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{3^3, 4, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{2, 3, 4, 6, 24^2\})$	27648
24	$\mathcal{O}(1; \{2^2, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2, 3^2, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 6, 12, 24^2\})$	27648
24	$\mathcal{O}(1; \{12^3, 24^2\})$	184320
24	$\mathcal{O}(1; \{8, 12, 24^3\})$	442368

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{6, 24^4\})$	368640
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8^2\})$	48
24	$\mathcal{O}(0; \{3^4, 4^3, 8^2\})$	192
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{3^5, 4, 6, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 8^2\})$	48
24	$\mathcal{O}(0; \{4, 6^5, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{4^2, 6^2, 8^4\})$	512
24	$\mathcal{O}(0; \{3, 6^3, 8^4\})$	384
24	$\mathcal{O}(0; \{2^4, 3^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3^6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^3, 6^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{4^2, 6^3, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{3, 6^4, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{3, 4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{4^3, 6, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{3^2, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{2, 6, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{3, 4^2, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{3^2, 6, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{2, 6^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2, 4, 8^2, 12^4\})$	768
24	$\mathcal{O}(0; \{2^7, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^3, 3^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^5, 4^2, 8, 24\})$	352
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 8, 24\})$	128

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^8, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 8, 24\})$	40
24	$\mathcal{O}(0; \{3^6, 6, 8, 24\})$	344
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^3, 6^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{4^2, 6^4, 8, 24\})$	160
24	$\mathcal{O}(0; \{3, 6^5, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{4^3, 6, 8^3, 24\})$	1024
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{3^2, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^4, 4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{4^3, 6^2, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{3, 4, 6^3, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^3, 3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{3, 4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3^2, 6, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2, 6^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^6, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^3, 4^2, 8, 12^2, 24\})$	128
24	$\mathcal{O}(0; \{4^4, 8, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 3, 6, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{3, 4^2, 6, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{3^2, 6^2, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2, 6^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2, 4, 8^3, 12^2, 24\})$	1024
24	$\mathcal{O}(0; \{3^2, 4, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 4, 6, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 3, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^8, 4, 24^2\})$	16

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3^3, 4, 24^2\})$	80
24	$\mathcal{O}(0; \{3^6, 4, 24^2\})$	688
24	$\mathcal{O}(0; \{2^5, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3, 4, 6, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 3^4, 4, 6, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 4, 6^3, 24^2\})$	80
24	$\mathcal{O}(0; \{4^3, 6^3, 24^2\})$	320
24	$\mathcal{O}(0; \{3, 4, 6^4, 24^2\})$	336
24	$\mathcal{O}(0; \{2^6, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{4^4, 8^2, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^2, 6^2, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 6^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^5, 3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2, 3^5, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^6, 6, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{4^4, 6, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{3^2, 6^3, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 6^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{3^2, 4, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^3, 3, 4, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{3, 4^3, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^2, 4, 6, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 4, 6^2, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^4, 12^3, 24^2\})$	320
24	$\mathcal{O}(0; \{3^3, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 4^2, 12^3, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 3, 6, 12^3, 24^2\})$	1344

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{3, 4^3, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{3^2, 4, 6, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 4, 6^2, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2, 3, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^4, 8, 12, 24^3\})$	768
24	$\mathcal{O}(0; \{3^3, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{2, 4^2, 8, 12, 24^3\})$	3072
24	$\mathcal{O}(0; \{2, 3, 6, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2^3, 3^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{3^2, 4^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^4, 6, 24^4\})$	640
24	$\mathcal{O}(0; \{3^3, 6, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 4^2, 6, 24^4\})$	2560
24	$\mathcal{O}(0; \{2, 3, 6^2, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 3, 4, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 12^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{2^2, 8, 24^5\})$	10240
24	$\mathcal{O}(0; \{12, 24^6\})$	86016
25	$\mathcal{O}(1; \{5^2, 25^3\})$	3000000
26	$\mathcal{O}(1; \{2^3, 13^2, 26\})$	89232
26	$\mathcal{O}(1; \{2, 13, 26^3\})$	1078896
26	$\mathcal{O}(0; \{2^7, 13^2, 26\})$	132
26	$\mathcal{O}(0; \{2^5, 13, 26^3\})$	1596
26	$\mathcal{O}(0; \{2^3, 26^5\})$	19140
27	$\mathcal{O}(1; \{3^2, 9, 27^2\})$	314928
27	$\mathcal{O}(0; \{3^5, 9, 27^2\})$	3456
27	$\mathcal{O}(0; \{3, 9^4, 27^2\})$	46656
27	$\mathcal{O}(0; \{3^2, 27^5\})$	262440
28	$\mathcal{O}(3; \emptyset)$	474356736
28	$\mathcal{O}(2; \{2^4\})$	576000
28	$\mathcal{O}(2; \{2, 4^2\})$	1228800
28	$\mathcal{O}(1; \{2^8\})$	576
28	$\mathcal{O}(1; \{2^5, 4^2\})$	1536
28	$\mathcal{O}(1; \{2^2, 4^4\})$	6144
28	$\mathcal{O}(1; \{2, 7^3, 14\})$	109368
28	$\mathcal{O}(1; \{2, 4, 7, 14, 28\})$	47040
28	$\mathcal{O}(0; \{2^2, 4^2, 7^3, 14\})$	372
28	$\mathcal{O}(0; \{4^2, 7^2, 14^3\})$	2220
28	$\mathcal{O}(0; \{4, 7^5, 28\})$	13332
28	$\mathcal{O}(0; \{2^5, 4, 7, 14, 28\})$	60
28	$\mathcal{O}(0; \{2^2, 4^3, 7, 14, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 4, 14^3, 28\})$	372

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{4^3, 14^3, 28\})$	1488
28	$\mathcal{O}(0; \{2^3, 7^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{4^2, 7^3, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 7^2, 14^2, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^3, 4, 7, 28^3\})$	1488
28	$\mathcal{O}(0; \{4^3, 7, 28^3\})$	5952
28	$\mathcal{O}(0; \{2, 4, 14^2, 28^3\})$	8880
29	$\mathcal{O}(1; \{29^4\})$	17825836
30	$\mathcal{O}(1; \{3^2, 5^3\})$	16200
30	$\mathcal{O}(1; \{3^3, 5, 15\})$	16200
30	$\mathcal{O}(1; \{2, 3, 5, 6, 15\})$	7200
30	$\mathcal{O}(1; \{15^4\})$	210600
30	$\mathcal{O}(1; \{2, 3, 5^2, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3^2, 15, 30\})$	21600
30	$\mathcal{O}(1; \{2^2, 6, 15, 30\})$	7200
30	$\mathcal{O}(1; \{10, 15^2, 30\})$	93600
30	$\mathcal{O}(1; \{2^2, 5, 30^2\})$	21600
30	$\mathcal{O}(1; \{10^2, 30^2\})$	93600
30	$\mathcal{O}(1; \{6, 30^3\})$	64800
30	$\mathcal{O}(0; \{2^4, 3^2, 5^3\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 6\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6^2\})$	24
30	$\mathcal{O}(0; \{5^3, 6^4\})$	72
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 10^2\})$	104
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 10^2\})$	104
30	$\mathcal{O}(0; \{3^2, 5, 10^4\})$	408
30	$\mathcal{O}(0; \{2^4, 3^3, 5, 15\})$	24
30	$\mathcal{O}(0; \{2^5, 3, 5, 6, 15\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 5, 6, 15\})$	88
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6^2, 15\})$	40
30	$\mathcal{O}(0; \{2^3, 5, 6^3, 15\})$	24
30	$\mathcal{O}(0; \{3, 5, 6^4, 15\})$	88
30	$\mathcal{O}(0; \{3, 5^3, 6, 10, 15\})$	408
30	$\mathcal{O}(0; \{2^2, 3^3, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{3^2, 6^2, 10^2, 15\})$	120
30	$\mathcal{O}(0; \{2, 6^3, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2^3, 3, 5, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{3^2, 5, 6, 10, 15^2\})$	520
30	$\mathcal{O}(0; \{2, 5, 6^2, 10, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 3, 10^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 5^2, 6, 15^3\})$	1224
30	$\mathcal{O}(0; \{2^4, 15^4\})$	312

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3, 6, 15^4\})$	1144
30	$\mathcal{O}(0; \{2^5, 3, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 5^2, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 6, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 5^2, 6^2, 30\})$	24
30	$\mathcal{O}(0; \{3, 5^2, 6^3, 30\})$	120
30	$\mathcal{O}(0; \{3, 5^4, 10, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 3, 5, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{3^2, 5, 6, 10^2, 30\})$	312
30	$\mathcal{O}(0; \{2, 5, 6^2, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2, 3, 10^4, 30\})$	408
30	$\mathcal{O}(0; \{2^5, 3^2, 15, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^5, 15, 30\})$	168
30	$\mathcal{O}(0; \{2^6, 6, 15, 30\})$	8
30	$\mathcal{O}(0; \{2^2, 3^3, 6, 15, 30\})$	88
30	$\mathcal{O}(0; \{2^3, 3, 6^2, 15, 30\})$	40
30	$\mathcal{O}(0; \{3^2, 6^3, 15, 30\})$	168
30	$\mathcal{O}(0; \{2, 6^4, 15, 30\})$	88
30	$\mathcal{O}(0; \{3^2, 5^2, 10, 15, 30\})$	1224
30	$\mathcal{O}(0; \{2, 5^2, 6, 10, 15, 30\})$	408
30	$\mathcal{O}(0; \{2, 5^3, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{2^4, 10, 15^2, 30\})$	104
30	$\mathcal{O}(0; \{3^3, 10, 15^2, 30\})$	1144
30	$\mathcal{O}(0; \{2, 3, 6, 10, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 3, 5, 15^3, 30\})$	2040
30	$\mathcal{O}(0; \{2^6, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 30^2\})$	120
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 30^2\})$	72
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 5, 6^3, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 5^3, 10, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^4, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{3^3, 10^2, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{2^2, 15^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 3^2, 30^3\})$	120
30	$\mathcal{O}(0; \{2^4, 6, 30^3\})$	72
30	$\mathcal{O}(0; \{3^3, 6, 30^3\})$	504
30	$\mathcal{O}(0; \{2, 3, 6^2, 30^3\})$	264
30	$\mathcal{O}(0; \{2^2, 10, 15, 30^3\})$	1224
30	$\mathcal{O}(0; \{15^2, 30^4\})$	18040
30	$\mathcal{O}(0; \{10, 30^5\})$	8200

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(2; \{4^2\})$	1966080
32	$\mathcal{O}(1; \{2^4, 4^2\})$	1536
32	$\mathcal{O}(1; \{2, 4^4\})$	6144
32	$\mathcal{O}(1; \{2^2, 4, 8^2\})$	6144
32	$\mathcal{O}(1; \{8^4\})$	49152
32	$\mathcal{O}(1; \{4, 8, 16^2\})$	49152
32	$\mathcal{O}(0; \{2^2, 4, 8, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{8^3, 16, 32^2\})$	8192
32	$\mathcal{O}(0; \{4, 16^3, 32^2\})$	16384
32	$\mathcal{O}(0; \{4, 8, 32^4\})$	32768
33	$\mathcal{O}(0; \{3^4, 11^3\})$	540
33	$\mathcal{O}(0; \{3, 11^2, 33^3\})$	54540
34	$\mathcal{O}(0; \{2^3, 17^3, 34\})$	3856
34	$\mathcal{O}(0; \{2, 17^2, 34^3\})$	61680
35	$\mathcal{O}(1; \{5^4\})$	62400
35	$\mathcal{O}(0; \{5, 7^4, 35\})$	4440
35	$\mathcal{O}(0; \{5^3, 7, 35^2\})$	6120
36	$\mathcal{O}(1; \{3^2, 9^2\})$	23328
36	$\mathcal{O}(1; \{2, 6, 9^2\})$	11664
36	$\mathcal{O}(1; \{2, 4, 9, 36\})$	15552
36	$\mathcal{O}(1; \{2, 3, 36^2\})$	31104
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 9^2\})$	48
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 9^2\})$	24
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{4, 6^2, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{2^3, 9^2, 12^2\})$	48
36	$\mathcal{O}(0; \{4^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{3, 6, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{4^2, 9^3, 18\})$	324
36	$\mathcal{O}(0; \{4^2, 6, 9, 18^2\})$	72
36	$\mathcal{O}(0; \{3, 4, 9, 12, 18^2\})$	144
36	$\mathcal{O}(0; \{2, 9, 12^2, 18^2\})$	144
36	$\mathcal{O}(0; \{2^5, 4, 9, 36\})$	12
36	$\mathcal{O}(0; \{2, 3^3, 4, 9, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 4^3, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 9, 36\})$	48
36	$\mathcal{O}(0; \{4, 6^3, 9, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2^3, 6, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{4^2, 6, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3, 6^2, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{3, 4, 9, 12^2, 36\})$	384
36	$\mathcal{O}(0; \{2, 9, 12^3, 36\})$	384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4, 9^2, 18, 36\})$	648
36	$\mathcal{O}(0; \{2, 9^2, 12, 18, 36\})$	648
36	$\mathcal{O}(0; \{2^3, 4, 18^2, 36\})$	36
36	$\mathcal{O}(0; \{4^3, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3, 4, 6, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{3^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2, 6, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2^5, 3, 36^2\})$	24
36	$\mathcal{O}(0; \{2, 3^4, 36^2\})$	192
36	$\mathcal{O}(0; \{2^2, 3, 4^2, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2^3, 6^2, 36^2\})$	48
36	$\mathcal{O}(0; \{4^2, 6^2, 36^2\})$	192
36	$\mathcal{O}(0; \{3, 6^3, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 9^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{2^3, 4, 12, 36^2\})$	96
36	$\mathcal{O}(0; \{4^3, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{3, 4, 6, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{3^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2, 6, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{3^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{2, 6, 9, 18, 36^2\})$	648
36	$\mathcal{O}(0; \{2, 4, 18, 36^3\})$	1296
38	$\mathcal{O}(1; \{2^2, 38^2\})$	25992
38	$\mathcal{O}(0; \{2^6, 38^2\})$	18
39	$\mathcal{O}(1; \{13, 39^2\})$	401544
39	$\mathcal{O}(0; \{3^3, 13, 39^2\})$	1320
39	$\mathcal{O}(0; \{39^5\})$	191400
40	$\mathcal{O}(1; \{2^2, 10^2\})$	4800
40	$\mathcal{O}(1; \{10, 20^2\})$	28800
40	$\mathcal{O}(1; \{8, 20, 40\})$	51200
40	$\mathcal{O}(0; \{2, 4, 8^2, 10^2\})$	32
40	$\mathcal{O}(0; \{2, 5^2, 8^2, 20\})$	96
40	$\mathcal{O}(0; \{2, 4, 5, 8, 10, 40\})$	96
40	$\mathcal{O}(0; \{2^4, 8, 20, 40\})$	32
40	$\mathcal{O}(0; \{2, 4^2, 8, 20, 40\})$	128
40	$\mathcal{O}(0; \{2, 4, 5^2, 40^2\})$	416
40	$\mathcal{O}(0; \{2^2, 10, 20, 40^2\})$	416
40	$\mathcal{O}(0; \{20^3, 40^2\})$	6528
40	$\mathcal{O}(0; \{2^2, 8, 40^3\})$	768
40	$\mathcal{O}(0; \{10, 40^4\})$	13056
42	$\mathcal{O}(1; \{3^4\})$	7776
42	$\mathcal{O}(1; \{2, 3^2, 6\})$	3456

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(1; \{2^2, 6^2\})$	3456
42	$\mathcal{O}(1; \{6, 7, 42\})$	21168
42	$\mathcal{O}(0; \{2, 3, 6, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{2, 3^2, 14, 21^2\})$	180
42	$\mathcal{O}(0; \{2^2, 6, 14, 21^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3^2, 7, 42\})$	12
42	$\mathcal{O}(0; \{2^4, 6, 7, 42\})$	12
42	$\mathcal{O}(0; \{3^3, 6, 7, 42\})$	60
42	$\mathcal{O}(0; \{2, 3, 6^2, 7, 42\})$	36
42	$\mathcal{O}(0; \{2, 3^2, 14^2, 42\})$	60
42	$\mathcal{O}(0; \{2^2, 6, 14^2, 42\})$	60
42	$\mathcal{O}(0; \{7, 14, 21^2, 42\})$	2220
42	$\mathcal{O}(0; \{6, 21^3, 42\})$	1860
42	$\mathcal{O}(0; \{2^2, 7^2, 42^2\})$	372
42	$\mathcal{O}(0; \{7, 14^2, 42^2\})$	2220
42	$\mathcal{O}(0; \{6, 14, 21, 42^2\})$	1116
44	$\mathcal{O}(0; \{2^2, 4, 11^2, 44\})$	180
44	$\mathcal{O}(0; \{4, 11, 22^2, 44\})$	1820
45	$\mathcal{O}(0; \{5, 9^2, 15, 45\})$	432
45	$\mathcal{O}(0; \{5^2, 15, 45^2\})$	2448
45	$\mathcal{O}(0; \{3, 15^2, 45^2\})$	2496
45	$\mathcal{O}(0; \{3, 9, 45^3\})$	3888
46	$\mathcal{O}(1; \{2, 23, 46\})$	46552
46	$\mathcal{O}(0; \{2^5, 23, 46\})$	22
46	$\mathcal{O}(0; \{2^3, 46^3\})$	462
48	$\mathcal{O}(1; \{2^2, 3^2\})$	3456
48	$\mathcal{O}(1; \{3, 6^2\})$	3456
48	$\mathcal{O}(1; \{3, 4, 12\})$	6912
48	$\mathcal{O}(1; \{2, 12^2\})$	6912
48	$\mathcal{O}(0; \{3, 8, 12, 16^2\})$	128
48	$\mathcal{O}(0; \{3, 6, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{2^2, 3, 4, 16, 48\})$	32
48	$\mathcal{O}(0; \{4, 6^2, 16, 48\})$	32
48	$\mathcal{O}(0; \{3, 8^2, 16, 48\})$	256
48	$\mathcal{O}(0; \{2^3, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{4^2, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{3, 6, 12, 16, 48\})$	96
48	$\mathcal{O}(0; \{2, 16, 24^2, 48\})$	256
48	$\mathcal{O}(0; \{2^3, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{4^2, 8, 48^2\})$	256
48	$\mathcal{O}(0; \{3, 6, 8, 48^2\})$	192
48	$\mathcal{O}(0; \{2, 16^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{3, 4, 24, 48^2\})$	384

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{2, 12, 24, 48^2\})$	384
50	$\mathcal{O}(0; \{2^3, 5, 25, 50\})$	80
50	$\mathcal{O}(0; \{2, 10^2, 25, 50\})$	320
50	$\mathcal{O}(0; \{2, 5, 50^3\})$	1200
51	$\mathcal{O}(0; \{3^2, 17^2, 51\})$	480
52	$\mathcal{O}(0; \{2^3, 4, 13, 52\})$	24
52	$\mathcal{O}(0; \{4^3, 13, 52\})$	96
52	$\mathcal{O}(0; \{2, 4, 26^2, 52\})$	264
54	$\mathcal{O}(0; \{2, 3, 27^2, 54\})$	324
54	$\mathcal{O}(0; \{2, 3, 18, 54^2\})$	216
56	$\mathcal{O}(2; \emptyset)$	9216000
56	$\mathcal{O}(1; \{2^4\})$	2304
56	$\mathcal{O}(1; \{2, 4^2\})$	4608
57	$\mathcal{O}(1; \{57^2\})$	116964
57	$\mathcal{O}(0; \{3^3, 57^2\})$	180
58	$\mathcal{O}(1; \{29^2\})$	70644
58	$\mathcal{O}(0; \{2^4, 29^2\})$	28
58	$\mathcal{O}(0; \{2^2, 29, 58^2\})$	756
58	$\mathcal{O}(0; \{58^4\})$	21196
60	$\mathcal{O}(1; \{15^2\})$	21600
60	$\mathcal{O}(0; \{2, 4^2, 15^2\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 5, 60\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 6, 60\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 12, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 4, 30, 60\})$	16
60	$\mathcal{O}(0; \{2^2, 12, 30, 60\})$	16
60	$\mathcal{O}(0; \{20, 30^2, 60\})$	208
60	$\mathcal{O}(0; \{2^2, 10, 60^2\})$	48
60	$\mathcal{O}(0; \{20^2, 60^2\})$	832
60	$\mathcal{O}(0; \{15, 30, 60^2\})$	624
60	$\mathcal{O}(0; \{12, 60^3\})$	576
63	$\mathcal{O}(1; \{9^2\})$	23328
63	$\mathcal{O}(0; \{9, 21^2, 63\})$	720
63	$\mathcal{O}(0; \{7, 21, 63^2\})$	2232
64	$\mathcal{O}(1; \{8^2\})$	12288
66	$\mathcal{O}(0; \{2, 3^2, 11, 22\})$	20
66	$\mathcal{O}(0; \{6, 11, 33, 66\})$	180
68	$\mathcal{O}(0; \{4, 17, 34, 68\})$	480
69	$\mathcal{O}(0; \{3, 69^3\})$	2772
70	$\mathcal{O}(1; \{5^2\})$	14400
70	$\mathcal{O}(0; \{5, 10, 14, 35\})$	72
70	$\mathcal{O}(0; \{7^2, 10, 70\})$	120

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Table 7 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{4, 8, 18, 72\})$	48
72	$\mathcal{O}(0; \{3, 18, 24, 72\})$	96
72	$\mathcal{O}(0; \{4, 6, 72^2\})$	96
72	$\mathcal{O}(0; \{3, 12, 72^2\})$	192
76	$\mathcal{O}(0; \{2^3, 76^2\})$	36
76	$\mathcal{O}(0; \{4^2, 76^2\})$	144
78	$\mathcal{O}(0; \{3, 6, 26, 39\})$	24
78	$\mathcal{O}(0; \{2, 39^2, 78\})$	264
78	$\mathcal{O}(0; \{2, 26, 78^2\})$	264
80	$\mathcal{O}(0; \{2, 16, 40, 80\})$	128
84	$\mathcal{O}(1; \{3^2\})$	10368
84	$\mathcal{O}(0; \{3, 4, 21, 28\})$	24
84	$\mathcal{O}(0; \{2, 12, 21, 28\})$	24
84	$\mathcal{O}(0; \{3, 4, 14, 84\})$	24
84	$\mathcal{O}(0; \{2, 12, 14, 84\})$	24
84	$\mathcal{O}(0; \{2, 7, 84^2\})$	120
87	$\mathcal{O}(0; \{3^2, 29, 87\})$	56
88	$\mathcal{O}(0; \{2, 8, 11, 88\})$	40
92	$\mathcal{O}(0; \{2, 4, 46, 92\})$	44
102	$\mathcal{O}(0; \{2, 3, 17, 102\})$	32
112	$\mathcal{O}(1; \{2^2\})$	9216
114	$\mathcal{O}(0; \{2^2, 114^2\})$	36
115	$\mathcal{O}(0; \{115^3\})$	5544
116	$\mathcal{O}(0; \{58, 116^2\})$	1512
117	$\mathcal{O}(0; \{39, 117^2\})$	1584
120	$\mathcal{O}(0; \{30, 40, 120\})$	96
120	$\mathcal{O}(0; \{24, 60, 120\})$	64
120	$\mathcal{O}(0; \{20, 120^2\})$	192
126	$\mathcal{O}(0; \{18, 21, 126\})$	72
133	$\mathcal{O}(0; \{7, 133^2\})$	540
138	$\mathcal{O}(0; \{6, 69, 138\})$	44
140	$\mathcal{O}(0; \{7, 20, 140\})$	48
152	$\mathcal{O}(0; \{4, 152^2\})$	144
156	$\mathcal{O}(0; \{4, 39, 156\})$	48
171	$\mathcal{O}(0; \{3, 171^2\})$	216
174	$\mathcal{O}(0; \{3, 58, 174\})$	56
228	$\mathcal{O}(0; \{2, 228^2\})$	72
230	$\mathcal{O}(0; \{2, 115, 230\})$	88

Table 8: 58-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(58; \emptyset)$	1
2	$\mathcal{O}(29; \{2^2\})$	288230376151711744
2	$\mathcal{O}(28; \{2^6\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{10}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{14}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{18}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{22}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{26}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{30}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{34}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{38}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{42}\})$	274877906944
2	$\mathcal{O}(18; \{2^{46}\})$	68719476736
2	$\mathcal{O}(17; \{2^{50}\})$	17179869184
2	$\mathcal{O}(16; \{2^{54}\})$	4294967296
2	$\mathcal{O}(15; \{2^{58}\})$	1073741824
2	$\mathcal{O}(14; \{2^{62}\})$	268435456
2	$\mathcal{O}(13; \{2^{66}\})$	67108864
2	$\mathcal{O}(12; \{2^{70}\})$	16777216
2	$\mathcal{O}(11; \{2^{74}\})$	4194304
2	$\mathcal{O}(10; \{2^{78}\})$	1048576
2	$\mathcal{O}(9; \{2^{82}\})$	262144
2	$\mathcal{O}(8; \{2^{86}\})$	65536
2	$\mathcal{O}(7; \{2^{90}\})$	16384
2	$\mathcal{O}(6; \{2^{94}\})$	4096
2	$\mathcal{O}(5; \{2^{98}\})$	1024
2	$\mathcal{O}(4; \{2^{102}\})$	256
2	$\mathcal{O}(3; \{2^{106}\})$	64
2	$\mathcal{O}(2; \{2^{110}\})$	16
2	$\mathcal{O}(1; \{2^{114}\})$	4
2	$\mathcal{O}(0; \{2^{118}\})$	1
3	$\mathcal{O}(20; \emptyset)$	12157665459056928800
3	$\mathcal{O}(19; \{3^3\})$	2701703435345984178
3	$\mathcal{O}(18; \{3^6\})$	3302081976533980662
3	$\mathcal{O}(17; \{3^9\})$	2835120888943316730
3	$\mathcal{O}(16; \{3^{12}\})$	2531225577971614806
3	$\mathcal{O}(15; \{3^{15}\})$	2248742944737756378
3	$\mathcal{O}(14; \{3^{18}\})$	1999019878299402102
3	$\mathcal{O}(13; \{3^{21}\})$	1776891307293387450
3	$\mathcal{O}(12; \{3^{24}\})$	1579460634393563286
3	$\mathcal{O}(11; \{3^{27}\})$	1403964820063476378
3	$\mathcal{O}(10; \{3^{30}\})$	1247968749866018742

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(9; \{3^{33}\})$	1109305553111938170
3	$\mathcal{O}(8; \{3^{36}\})$	986049380802225366
3	$\mathcal{O}(7; \{3^{39}\})$	876488338462169178
3	$\mathcal{O}(6; \{3^{42}\})$	779100745302894582
3	$\mathcal{O}(5; \{3^{45}\})$	692533995824440890
3	$\mathcal{O}(4; \{3^{48}\})$	615585774066209046
3	$\mathcal{O}(3; \{3^{51}\})$	547187354725514778
3	$\mathcal{O}(2; \{3^{54}\})$	486388759756013622
3	$\mathcal{O}(1; \{3^{57}\})$	432345564227567610
3	$\mathcal{O}(0; \{3^{60}\})$	384307168202282326
4	$\mathcal{O}(14; \{2^2, 4^2\})$	144115188075855872
4	$\mathcal{O}(13; \{2^6, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^3, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{4^6\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{10}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^7, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^4, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2, 4^8\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{14}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{11}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^8, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^5, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^2, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(10; \{2^{18}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{15}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{12}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^9, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^6, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^3, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{4^{14}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{22}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{19}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{16}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{13}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{10}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^7, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^4, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{26}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{23}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{20}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{17}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{14}, 4^{10}\})$	2199023255552

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{2^{11}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^8, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^5, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^2, 4^{18}\})$	562949953421312
4	$\mathcal{O}(7; \{2^{30}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{27}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{24}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{21}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{18}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{15}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{12}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^9, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^6, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^3, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{4^{22}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{34}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{31}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{28}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{25}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{22}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{19}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{16}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{13}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{10}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^7, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^4, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2, 4^{24}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{38}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{35}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{32}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{29}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{26}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{23}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{20}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{17}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{14}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{11}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^8, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^5, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^2, 4^{26}\})$	35184372088832
4	$\mathcal{O}(4; \{2^{42}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{39}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{36}, 4^6\})$	2097152

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{33}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{30}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{27}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{24}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{21}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{18}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{15}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{12}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^9, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^6, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^3, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{4^{30}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{46}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{43}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{40}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{37}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{34}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{31}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{28}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{25}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{22}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{19}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{16}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{13}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{10}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^7, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^4, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2, 4^{32}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{50}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{47}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{44}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{41}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{38}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{35}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{32}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{29}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{26}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{23}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{20}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{17}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{14}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{11}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^8, 4^{30}\})$	137438953472

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^5, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^2, 4^{34}\})$	2199023255552
4	$\mathcal{O}(1; \{2^{54}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{51}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{48}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{45}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{42}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{39}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{36}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{33}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{30}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{27}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{24}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{21}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{18}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{15}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{12}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^9, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^6, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^3, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{4^{38}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{58}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{55}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{52}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{49}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{46}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{43}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{40}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{37}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{34}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{31}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{28}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{25}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{22}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{19}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{16}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{13}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{10}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^7, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^4, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2, 4^{40}\})$	549755813888
5	$\mathcal{O}(10; \{5^6\})$	78201293945312500
5	$\mathcal{O}(8; \{5^{11}\})$	127999877929687500

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(6; \{5^{16}\})$	209715200195312500
5	$\mathcal{O}(4; \{5^{21}\})$	343597383679687500
5	$\mathcal{O}(2; \{5^{26}\})$	562949953421312500
5	$\mathcal{O}(0; \{5^{31}\})$	922337203685477580
6	$\mathcal{O}(10; \{2^2\})$	3656158439014400
6	$\mathcal{O}(9; \{2^6\})$	101559956406272
6	$\mathcal{O}(9; \{2^2, 3^3\})$	203119913336832
6	$\mathcal{O}(9; \{2^3, 3, 6\})$	203119913336832
6	$\mathcal{O}(9; \{3^2, 6^2\})$	609359740010496
6	$\mathcal{O}(9; \{2, 6^3\})$	203119913336832
6	$\mathcal{O}(8; \{2^{10}\})$	2821109841920
6	$\mathcal{O}(8; \{2^6, 3^3\})$	5642219814912
6	$\mathcal{O}(8; \{2^2, 3^6\})$	62064417964032
6	$\mathcal{O}(8; \{2^7, 3, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^3, 3^4, 6\})$	28211099074560
6	$\mathcal{O}(8; \{2^4, 3^2, 6^2\})$	16926659444736
6	$\mathcal{O}(8; \{3^5, 6^2\})$	118486616113152
6	$\mathcal{O}(8; \{2^5, 6^3\})$	5642219814912
6	$\mathcal{O}(8; \{2, 3^3, 6^3\})$	62064417964032
6	$\mathcal{O}(8; \{2^2, 3, 6^4\})$	28211099074560
6	$\mathcal{O}(8; \{6^6\})$	62064417964032
6	$\mathcal{O}(7; \{2^{14}\})$	78364147712
6	$\mathcal{O}(7; \{2^{10}, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^6, 3^6\})$	1724011610112
6	$\mathcal{O}(7; \{2^2, 3^9\})$	13321907896320
6	$\mathcal{O}(7; \{2^{11}, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^7, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^3, 3^7, 6\})$	6739318112256
6	$\mathcal{O}(7; \{2^8, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^4, 3^5, 6^2\})$	3291294892032
6	$\mathcal{O}(7; \{3^8, 6^2\})$	26800544120832
6	$\mathcal{O}(7; \{2^9, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{2^5, 3^3, 6^3\})$	1724011610112
6	$\mathcal{O}(7; \{2, 3^6, 6^3\})$	13321907896320
6	$\mathcal{O}(7; \{2^6, 3, 6^4\})$	783641640960
6	$\mathcal{O}(7; \{2^2, 3^4, 6^4\})$	6739318112256
6	$\mathcal{O}(7; \{2^3, 3^2, 6^5\})$	3291294892032
6	$\mathcal{O}(7; \{2^4, 6^6\})$	1724011610112
6	$\mathcal{O}(7; \{3^3, 6^6\})$	13321907896320
6	$\mathcal{O}(7; \{2, 3, 6^7\})$	6739318112256
6	$\mathcal{O}(6; \{2^{18}\})$	2176778240
6	$\mathcal{O}(6; \{2^{14}, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^{10}, 3^6\})$	47889211392

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^6, 3^9\})$	370052997120
6	$\mathcal{O}(6; \{2^2, 3^{12}\})$	2973484670976
6	$\mathcal{O}(6; \{2^{15}, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{11}, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^7, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^3, 3^{10}, 6\})$	1484565553152
6	$\mathcal{O}(6; \{2^{12}, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^8, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^4, 3^8, 6^2\})$	744459558912
6	$\mathcal{O}(6; \{3^{11}, 6^2\})$	5942615777280
6	$\mathcal{O}(6; \{2^{13}, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^9, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^5, 3^6, 6^3\})$	370052997120
6	$\mathcal{O}(6; \{2, 3^9, 6^3\})$	2973484670976
6	$\mathcal{O}(6; \{2^{10}, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{2^6, 3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3^7, 6^4\})$	1484565553152
6	$\mathcal{O}(6; \{2^7, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^3, 3^5, 6^5\})$	744459558912
6	$\mathcal{O}(6; \{2^8, 6^6\})$	47889211392
6	$\mathcal{O}(6; \{2^4, 3^3, 6^6\})$	370052997120
6	$\mathcal{O}(6; \{3^6, 6^6\})$	2973484670976
6	$\mathcal{O}(6; \{2^5, 3, 6^7\})$	187203280896
6	$\mathcal{O}(6; \{2, 3^4, 6^7\})$	1484565553152
6	$\mathcal{O}(6; \{2^2, 3^2, 6^8\})$	744459558912
6	$\mathcal{O}(6; \{2^3, 6^9\})$	370052997120
6	$\mathcal{O}(6; \{3, 6^{10}\})$	1484565553152
6	$\mathcal{O}(5; \{2^{22}\})$	60465152
6	$\mathcal{O}(5; \{2^{18}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^{14}, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^{10}, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^6, 3^{12}\})$	82596796416
6	$\mathcal{O}(5; \{2^2, 3^{15}\})$	660411574272
6	$\mathcal{O}(5; \{2^{19}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{15}, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^{11}, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^7, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^3, 3^{13}, 6\})$	330266253312
6	$\mathcal{O}(5; \{2^{16}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^{12}, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^8, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^4, 3^{11}, 6^2\})$	165072660480
6	$\mathcal{O}(5; \{3^{14}, 6^2\})$	1320944080896

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{17}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^{13}, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^9, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 3^9, 6^3\})$	82596796416
6	$\mathcal{O}(5; \{2, 3^{12}, 6^3\})$	660411574272
6	$\mathcal{O}(5; \{2^{14}, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^{10}, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^7, 6^4\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^{10}, 6^4\})$	330266253312
6	$\mathcal{O}(5; \{2^{11}, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^8, 6^5\})$	165072660480
6	$\mathcal{O}(5; \{2^{12}, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^8, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^6, 6^6\})$	82596796416
6	$\mathcal{O}(5; \{3^9, 6^6\})$	660411574272
6	$\mathcal{O}(5; \{2^9, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{2^5, 3^4, 6^7\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^7, 6^7\})$	330266253312
6	$\mathcal{O}(5; \{2^6, 3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^5, 6^8\})$	165072660480
6	$\mathcal{O}(5; \{2^7, 6^9\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3^3, 6^9\})$	82596796416
6	$\mathcal{O}(5; \{2^4, 3, 6^{10}\})$	41237932032
6	$\mathcal{O}(5; \{3^4, 6^{10}\})$	330266253312
6	$\mathcal{O}(5; \{2, 3^2, 6^{11}\})$	165072660480
6	$\mathcal{O}(5; \{2^2, 6^{12}\})$	82596796416
6	$\mathcal{O}(4; \{2^{26}\})$	1679360
6	$\mathcal{O}(4; \{2^{22}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{18}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^{14}, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^{10}, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^6, 3^{15}\})$	18344765952
6	$\mathcal{O}(4; \{2^2, 3^{18}\})$	146768205312
6	$\mathcal{O}(4; \{2^{23}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{19}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^{15}, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^{11}, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^7, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2^3, 3^{16}, 6\})$	73382423040
6	$\mathcal{O}(4; \{2^{20}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{16}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^{12}, 3^8, 6^2\})$	574428672

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^8, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 3^{14}, 6^2\})$	36692891136
6	$\mathcal{O}(4; \{3^{17}, 6^2\})$	293533051392
6	$\mathcal{O}(4; \{2^{21}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{17}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^{13}, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^9, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^5, 3^{12}, 6^3\})$	18344765952
6	$\mathcal{O}(4; \{2, 3^{15}, 6^3\})$	146768205312
6	$\mathcal{O}(4; \{2^{18}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^{14}, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^{10}, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3^{13}, 6^4\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^{11}, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3^{11}, 6^5\})$	36692891136
6	$\mathcal{O}(4; \{2^{16}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^{12}, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^8, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^9, 6^6\})$	18344765952
6	$\mathcal{O}(4; \{3^{12}, 6^6\})$	146768205312
6	$\mathcal{O}(4; \{2^{13}, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^9, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^7, 6^7\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^{10}, 6^7\})$	73382423040
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^8, 6^8\})$	36692891136
6	$\mathcal{O}(4; \{2^{11}, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^6, 6^9\})$	18344765952
6	$\mathcal{O}(4; \{2^8, 3, 6^{10}\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^4, 6^{10}\})$	9174062592
6	$\mathcal{O}(4; \{3^7, 6^{10}\})$	73382423040
6	$\mathcal{O}(4; \{2^5, 3^2, 6^{11}\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^5, 6^{11}\})$	36692891136
6	$\mathcal{O}(4; \{2^6, 6^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3^3, 6^{12}\})$	18344765952
6	$\mathcal{O}(4; \{2^3, 3, 6^{13}\})$	9174062592
6	$\mathcal{O}(4; \{3^2, 6^{14}\})$	36692891136
6	$\mathcal{O}(4; \{2, 6^{15}\})$	18344765952

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{30}\})$	46592
6	$\mathcal{O}(3; \{2^{26}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{22}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{18}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^{14}, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^{10}, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^6, 3^{18}\})$	4076894592
6	$\mathcal{O}(3; \{2^2, 3^{21}\})$	32614876800
6	$\mathcal{O}(3; \{2^{27}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{23}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{19}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^{15}, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^{11}, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^7, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^3, 3^{19}, 6\})$	16307485056
6	$\mathcal{O}(3; \{2^{24}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{20}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{16}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^{12}, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^8, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^4, 3^{17}, 6^2\})$	8153695872
6	$\mathcal{O}(3; \{3^{20}, 6^2\})$	65229846912
6	$\mathcal{O}(3; \{2^{25}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{21}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{17}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^{13}, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^9, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^5, 3^{15}, 6^3\})$	4076894592
6	$\mathcal{O}(3; \{2, 3^{18}, 6^3\})$	32614876800
6	$\mathcal{O}(3; \{2^{22}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{18}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^{14}, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^{10}, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^{16}, 6^4\})$	16307485056
6	$\mathcal{O}(3; \{2^{19}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^{15}, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^{11}, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^{14}, 6^5\})$	8153695872
6	$\mathcal{O}(3; \{2^{20}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{16}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^{12}, 3^6, 6^6\})$	63732096

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^8, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^{12}, 6^6\})$	4076894592
6	$\mathcal{O}(3; \{3^{15}, 6^6\})$	32614876800
6	$\mathcal{O}(3; \{2^{17}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6^7\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^{13}, 6^7\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^8, 6^8\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^8\})$	8153695872
6	$\mathcal{O}(3; \{2^{15}, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^9, 6^9\})$	4076894592
6	$\mathcal{O}(3; \{2^{12}, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^8, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^7, 6^{10}\})$	2038400640
6	$\mathcal{O}(3; \{3^{10}, 6^{10}\})$	16307485056
6	$\mathcal{O}(3; \{2^9, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^5, 6^{11}\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^8, 6^{11}\})$	8153695872
6	$\mathcal{O}(3; \{2^{10}, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^6, 6^{12}\})$	4076894592
6	$\mathcal{O}(3; \{2^7, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^4, 6^{13}\})$	2038400640
6	$\mathcal{O}(3; \{2^4, 3^2, 6^{14}\})$	1019246976
6	$\mathcal{O}(3; \{3^5, 6^{14}\})$	8153695872
6	$\mathcal{O}(3; \{2^5, 6^{15}\})$	509576832
6	$\mathcal{O}(3; \{2, 3^3, 6^{15}\})$	4076894592
6	$\mathcal{O}(3; \{2^2, 3, 6^{16}\})$	2038400640
6	$\mathcal{O}(3; \{6^{18}\})$	4076894592
6	$\mathcal{O}(2; \{2^{34}\})$	1280
6	$\mathcal{O}(2; \{2^{30}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{26}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{22}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{18}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{14}, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^{10}, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^6, 3^{21}\})$	905968800
6	$\mathcal{O}(2; \{2^2, 3^{24}\})$	7247758176

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{31}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{27}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{23}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{19}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^{15}, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^{11}, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^7, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^3, 3^{22}, 6\})$	3623877792
6	$\mathcal{O}(2; \{2^{28}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{24}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{20}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{16}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^{12}, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^8, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^4, 3^{20}, 6^2\})$	1811940192
6	$\mathcal{O}(2; \{3^{23}, 6^2\})$	14495513760
6	$\mathcal{O}(2; \{2^{29}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{25}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{21}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{17}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^{13}, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^9, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^5, 3^{18}, 6^3\})$	905968800
6	$\mathcal{O}(2; \{2, 3^{21}, 6^3\})$	7247758176
6	$\mathcal{O}(2; \{2^{26}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{22}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{18}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^{14}, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^{10}, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^6, 3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3^{19}, 6^4\})$	3623877792
6	$\mathcal{O}(2; \{2^{23}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^{19}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^{15}, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^{11}, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3^{17}, 6^5\})$	1811940192
6	$\mathcal{O}(2; \{2^{24}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{20}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{16}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^8, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3^{15}, 6^6\})$	905968800

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{3^{18}, 6^6\})$	7247758176
6	$\mathcal{O}(2; \{2^{21}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{17}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^{13}, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^9, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^5, 3^{13}, 6^7\})$	452985696
6	$\mathcal{O}(2; \{2, 3^{16}, 6^7\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^{14}, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{14}, 6^8\})$	1811940192
6	$\mathcal{O}(2; \{2^{19}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^{15}, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^{11}, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^{12}, 6^9\})$	905968800
6	$\mathcal{O}(2; \{2^{16}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^{12}, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^{10}, 6^{10}\})$	452985696
6	$\mathcal{O}(2; \{3^{13}, 6^{10}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^9, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^8, 6^{11}\})$	226491552
6	$\mathcal{O}(2; \{2, 3^{11}, 6^{11}\})$	1811940192
6	$\mathcal{O}(2; \{2^{14}, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^{10}, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^9, 6^{12}\})$	905968800
6	$\mathcal{O}(2; \{2^{11}, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2^7, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^7, 6^{13}\})$	452985696
6	$\mathcal{O}(2; \{2^8, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3^5, 6^{14}\})$	226491552
6	$\mathcal{O}(2; \{3^8, 6^{14}\})$	1811940192
6	$\mathcal{O}(2; \{2^9, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^5, 3^3, 6^{15}\})$	113247072
6	$\mathcal{O}(2; \{2, 3^6, 6^{15}\})$	905968800
6	$\mathcal{O}(2; \{2^6, 3, 6^{16}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^4, 6^{16}\})$	452985696
6	$\mathcal{O}(2; \{2^3, 3^2, 6^{17}\})$	226491552
6	$\mathcal{O}(2; \{2^4, 6^{18}\})$	113247072

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{3^3, 6^{18}\})$	905968800
6	$\mathcal{O}(2; \{2, 3, 6^{19}\})$	452985696
6	$\mathcal{O}(1; \{2^{38}\})$	32
6	$\mathcal{O}(1; \{2^{34}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{30}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{26}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{22}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{18}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^{14}, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^{10}, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{2^6, 3^{24}\})$	201326616
6	$\mathcal{O}(1; \{2^2, 3^{27}\})$	1610612712
6	$\mathcal{O}(1; \{2^{35}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{31}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{27}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{23}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{19}, 3^{13}, 6\})$	196632
6	$\mathcal{O}(1; \{2^{15}, 3^{16}, 6\})$	1572840
6	$\mathcal{O}(1; \{2^{11}, 3^{19}, 6\})$	12582936
6	$\mathcal{O}(1; \{2^7, 3^{22}, 6\})$	100663272
6	$\mathcal{O}(1; \{2^3, 3^{25}, 6\})$	805306392
6	$\mathcal{O}(1; \{2^{32}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^{28}, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^{24}, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{20}, 3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{16}, 3^{14}, 6^2\})$	786456
6	$\mathcal{O}(1; \{2^{12}, 3^{17}, 6^2\})$	6291432
6	$\mathcal{O}(1; \{2^8, 3^{20}, 6^2\})$	50331672
6	$\mathcal{O}(1; \{2^4, 3^{23}, 6^2\})$	402653160
6	$\mathcal{O}(1; \{3^{26}, 6^2\})$	3221225496
6	$\mathcal{O}(1; \{2^{33}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^{29}, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^{25}, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^{21}, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{17}, 3^{12}, 6^3\})$	393192
6	$\mathcal{O}(1; \{2^{13}, 3^{15}, 6^3\})$	3145752
6	$\mathcal{O}(1; \{2^9, 3^{18}, 6^3\})$	25165800
6	$\mathcal{O}(1; \{2^5, 3^{21}, 6^3\})$	201326616
6	$\mathcal{O}(1; \{2, 3^{24}, 6^3\})$	1610612712
6	$\mathcal{O}(1; \{2^{30}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^{26}, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^{22}, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^{18}, 3^{10}, 6^4\})$	196632

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{14}, 3^{13}, 6^4\})$	1572840
6	$\mathcal{O}(1; \{2^{10}, 3^{16}, 6^4\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^{19}, 6^4\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^{22}, 6^4\})$	805306392
6	$\mathcal{O}(1; \{2^{27}, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^{23}, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^{19}, 3^8, 6^5\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^{11}, 6^5\})$	786456
6	$\mathcal{O}(1; \{2^{11}, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^{17}, 6^5\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^{20}, 6^5\})$	402653160
6	$\mathcal{O}(1; \{2^{28}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{24}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{20}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{18}, 6^6\})$	201326616
6	$\mathcal{O}(1; \{3^{21}, 6^6\})$	1610612712
6	$\mathcal{O}(1; \{2^{25}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{21}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{16}, 6^7\})$	100663272
6	$\mathcal{O}(1; \{2, 3^{19}, 6^7\})$	805306392
6	$\mathcal{O}(1; \{2^{22}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{17}, 6^8\})$	402653160
6	$\mathcal{O}(1; \{2^{23}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{19}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{15}, 6^9\})$	201326616
6	$\mathcal{O}(1; \{2^{20}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{16}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{13}, 6^{10}\})$	100663272

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{3^{16}, 6^{10}\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^{11}, 6^{11}\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{14}, 6^{11}\})$	402653160
6	$\mathcal{O}(1; \{2^{18}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{12}, 6^{12}\})$	201326616
6	$\mathcal{O}(1; \{2^{15}, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6^{13}\})$	100663272
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^8, 6^{14}\})$	50331672
6	$\mathcal{O}(1; \{3^{11}, 6^{14}\})$	402653160
6	$\mathcal{O}(1; \{2^{13}, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^9, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^6, 6^{15}\})$	25165800
6	$\mathcal{O}(1; \{2, 3^9, 6^{15}\})$	201326616
6	$\mathcal{O}(1; \{2^{10}, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{16}\})$	100663272
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{17}\})$	50331672
6	$\mathcal{O}(1; \{2^8, 6^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{18}\})$	25165800
6	$\mathcal{O}(1; \{3^6, 6^{18}\})$	201326616
6	$\mathcal{O}(1; \{2^5, 3, 6^{19}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^4, 6^{19}\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{20}\})$	50331672
6	$\mathcal{O}(1; \{2^3, 6^{21}\})$	25165800
6	$\mathcal{O}(1; \{3, 6^{22}\})$	100663272
6	$\mathcal{O}(0; \{2^{38}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{34}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{30}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{26}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{22}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{18}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^{14}, 3^{21}\})$	699050

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{27}, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^{23}, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{19}, 3^{11}, 6^5\})$	21846
6	$\mathcal{O}(0; \{2^{15}, 3^{14}, 6^5\})$	174762
6	$\mathcal{O}(0; \{2^{11}, 3^{17}, 6^5\})$	1398102
6	$\mathcal{O}(0; \{2^7, 3^{20}, 6^5\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3^{23}, 6^5\})$	89478486
6	$\mathcal{O}(0; \{2^{32}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^{28}, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^{24}, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^{12}, 6^6\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{15}, 6^6\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{18}, 6^6\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{21}, 6^6\})$	44739242
6	$\mathcal{O}(0; \{3^{24}, 6^6\})$	357913942
6	$\mathcal{O}(0; \{2^{29}, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^{25}, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^{10}, 6^7\})$	43690
6	$\mathcal{O}(0; \{2^{13}, 3^{13}, 6^7\})$	349526
6	$\mathcal{O}(0; \{2^9, 3^{16}, 6^7\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{19}, 6^7\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{22}, 6^7\})$	178956970
6	$\mathcal{O}(0; \{2^{26}, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^8, 6^8\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^{11}, 6^8\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{14}, 6^8\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{17}, 6^8\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{20}, 6^8\})$	89478486
6	$\mathcal{O}(0; \{2^{27}, 6^9\})$	170
6	$\mathcal{O}(0; \{2^{23}, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^6, 6^9\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^9, 6^9\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6^9\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{15}, 6^9\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{18}, 6^9\})$	44739242
6	$\mathcal{O}(0; \{2^{24}, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{2^{20}, 3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^7, 6^{10}\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^{10}, 6^{10}\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{13}, 6^{10}\})$	2796202

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^{16}, 6^{10}\})$	22369622
6	$\mathcal{O}(0; \{3^{19}, 6^{10}\})$	178956970
6	$\mathcal{O}(0; \{2^{21}, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^5, 6^{11}\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^8, 6^{11}\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^{11}, 6^{11}\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{14}, 6^{11}\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{17}, 6^{11}\})$	89478486
6	$\mathcal{O}(0; \{2^{22}, 6^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{18}, 3^3, 6^{12}\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^6, 6^{12}\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^9, 6^{12}\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{12}, 6^{12}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{15}, 6^{12}\})$	44739242
6	$\mathcal{O}(0; \{2^{19}, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^{10}, 6^{13}\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{13}, 6^{13}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^8, 6^{14}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^{11}, 6^{14}\})$	11184810
6	$\mathcal{O}(0; \{3^{14}, 6^{14}\})$	89478486
6	$\mathcal{O}(0; \{2^{17}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^9, 6^{15}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{12}, 6^{15}\})$	44739242
6	$\mathcal{O}(0; \{2^{14}, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^{16}\})$	22369622
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^8, 6^{17}\})$	11184810
6	$\mathcal{O}(0; \{2^{12}, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^6, 6^{18}\})$	5592406
6	$\mathcal{O}(0; \{3^9, 6^{18}\})$	44739242
6	$\mathcal{O}(0; \{2^9, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{19}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^7, 6^{19}\})$	22369622

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{20}\})$	11184810
6	$\mathcal{O}(0; \{2^7, 6^{21}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{21}\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3, 6^{22}\})$	2796202
6	$\mathcal{O}(0; \{3^4, 6^{22}\})$	22369622
6	$\mathcal{O}(0; \{2, 3^2, 6^{23}\})$	11184810
6	$\mathcal{O}(0; \{2^2, 6^{24}\})$	5592406
7	$\mathcal{O}(7; \{7^5\})$	752827610862390
7	$\mathcal{O}(4; \{7^{12}\})$	1792673860277706
7	$\mathcal{O}(1; \{7^{19}\})$	4265518180073430
8	$\mathcal{O}(7; \{2, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^5, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^2, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{4, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^9, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^6, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^3, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^4, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^2, 8^6\})$	1099511627776
8	$\mathcal{O}(4; \{2^{13}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{10}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^7, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^4, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^8, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^5, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^2, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{2^6, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^3, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2, 4, 8^8\})$	549755813888
8	$\mathcal{O}(3; \{2^{17}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{14}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{11}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^8, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^5, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^2, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{2^{12}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^9, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^6, 4^5, 8^4\})$	536870912

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^3, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{10}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^7, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{2^4, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^5, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^2, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{2^3, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^{21}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{18}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{15}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{12}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^9, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^6, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^3, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{16}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{13}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{10}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^7, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^4, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{14}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{11}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^8, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^5, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^2, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^9, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^6, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^3, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^7, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^4, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^2, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^{25}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{22}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{19}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{16}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{13}, 4^8, 8^2\})$	65536

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{10}, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^7, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^4, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{20}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{17}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{14}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{11}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^8, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^5, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^2, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{2^{18}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{15}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{12}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^9, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^6, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^3, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{13}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{10}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^7, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^4, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{11}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^8, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^5, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^2, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^6, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^3, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^4, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(0; \{2^{29}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{26}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{23}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{20}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{17}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{14}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{11}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^8, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^5, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^2, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{2^{24}, 4, 8^4\})$	128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{21}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{18}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{15}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{12}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^9, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^6, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^3, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{22}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{19}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{16}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{13}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{10}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^7, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^4, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{17}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{14}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{11}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^8, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^5, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^2, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{2^{15}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{12}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^9, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^6, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^3, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^{10}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^7, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^4, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^8, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^5, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^2, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{2^3, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2, 8^{18}\})$	17179869184
9	$\mathcal{O}(6; \{3^4\})$	1694574030240
9	$\mathcal{O}(6; \{9^3\})$	5083731656658
9	$\mathcal{O}(5; \{3^7\})$	146442464784
9	$\mathcal{O}(5; \{3^3, 9^3\})$	502096953744
9	$\mathcal{O}(4; \{3^{10}\})$	14719734720

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(4; \{3^6, 9^3\})$	49589822592
9	$\mathcal{O}(4; \{3^2, 9^6\})$	920511081864
9	$\mathcal{O}(3; \{3^{13}\})$	1448843760
9	$\mathcal{O}(3; \{3^9, 9^3\})$	4897760256
9	$\mathcal{O}(3; \{3^5, 9^6\})$	90914674752
9	$\mathcal{O}(3; \{3, 9^9\})$	1185506696340
9	$\mathcal{O}(2; \{3^{16}\})$	141562080
9	$\mathcal{O}(2; \{3^{12}, 9^3\})$	483729408
9	$\mathcal{O}(2; \{3^8, 9^6\})$	8979227136
9	$\mathcal{O}(2; \{3^4, 9^9\})$	117087081120
9	$\mathcal{O}(2; \{9^{12}\})$	1587649163922
9	$\mathcal{O}(1; \{3^{19}\})$	12582864
9	$\mathcal{O}(1; \{3^{15}, 9^3\})$	47775744
9	$\mathcal{O}(1; \{3^{11}, 9^6\})$	886837248
9	$\mathcal{O}(1; \{3^7, 9^9\})$	11564156160
9	$\mathcal{O}(1; \{3^3, 9^{12}\})$	156804855696
9	$\mathcal{O}(0; \{3^{18}, 9^3\})$	4718592
9	$\mathcal{O}(0; \{3^{14}, 9^6\})$	87588864
9	$\mathcal{O}(0; \{3^{10}, 9^9\})$	1142138880
9	$\mathcal{O}(0; \{3^6, 9^{12}\})$	15486899328
9	$\mathcal{O}(0; \{3^2, 9^{15}\})$	208958349672
10	$\mathcal{O}(5; \{2^2, 5^3\})$	120000000000
10	$\mathcal{O}(5; \{5^2, 10^2\})$	520000000000
10	$\mathcal{O}(4; \{2^6, 5^3\})$	1200000000
10	$\mathcal{O}(4; \{2, 5^5, 10\})$	82000000000
10	$\mathcal{O}(4; \{2^4, 5^2, 10^2\})$	5200000000
10	$\mathcal{O}(4; \{2^2, 5, 10^4\})$	20400000000
10	$\mathcal{O}(4; \{10^6\})$	82000000000
10	$\mathcal{O}(3; \{2^{10}, 5^3\})$	12000000
10	$\mathcal{O}(3; \{2^2, 5^8\})$	13108000000
10	$\mathcal{O}(3; \{2^5, 5^5, 10\})$	820000000
10	$\mathcal{O}(3; \{2^8, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{5^7, 10^2\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^4, 10^3\})$	3276000000
10	$\mathcal{O}(3; \{2^6, 5, 10^4\})$	204000000
10	$\mathcal{O}(3; \{2, 5^3, 10^5\})$	13108000000
10	$\mathcal{O}(3; \{2^4, 10^6\})$	820000000
10	$\mathcal{O}(2; \{2^{14}, 5^3\})$	120000
10	$\mathcal{O}(2; \{2^6, 5^8\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2, 5^{10}, 10\})$	8388600000
10	$\mathcal{O}(2; \{2^{12}, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{2^4, 5^7, 10^2\})$	524280000

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^7, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^{10}, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{2^2, 5^6, 10^4\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5^3, 10^5\})$	131080000
10	$\mathcal{O}(2; \{2^8, 10^6\})$	8200000
10	$\mathcal{O}(2; \{5^5, 10^6\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 5^2, 10^7\})$	524280000
10	$\mathcal{O}(2; \{2, 5, 10^9\})$	2097160000
10	$\mathcal{O}(1; \{2^{18}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^{10}, 5^8\})$	1310800
10	$\mathcal{O}(1; \{2^2, 5^{13}\})$	1342177200
10	$\mathcal{O}(1; \{2^{13}, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^5, 5^{10}, 10\})$	83886000
10	$\mathcal{O}(1; \{2^{16}, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^8, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{5^{12}, 10^2\})$	5368709200
10	$\mathcal{O}(1; \{2^{11}, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2^3, 5^9, 10^3\})$	335544400
10	$\mathcal{O}(1; \{2^{14}, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{2^6, 5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2, 5^8, 10^5\})$	1342177200
10	$\mathcal{O}(1; \{2^{12}, 10^6\})$	82000
10	$\mathcal{O}(1; \{2^4, 5^5, 10^6\})$	83886000
10	$\mathcal{O}(1; \{2^7, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(1; \{2^2, 5^4, 10^8\})$	335544400
10	$\mathcal{O}(1; \{2^5, 5, 10^9\})$	20971600
10	$\mathcal{O}(1; \{5^3, 10^{10}\})$	1342177200
10	$\mathcal{O}(1; \{2^3, 10^{11}\})$	83886000
10	$\mathcal{O}(0; \{2^{22}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^{14}, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^6, 5^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^{17}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^9, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2, 5^{15}, 10\})$	858993460
10	$\mathcal{O}(0; \{2^{20}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^{12}, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^4, 5^{12}, 10^2\})$	53687092
10	$\mathcal{O}(0; \{2^{15}, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^7, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^{18}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^{10}, 5^6, 10^4\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^{11}, 10^4\})$	214748364

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{13}, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^8, 10^5\})$	13421772
10	$\mathcal{O}(0; \{2^{16}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^8, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{5^{10}, 10^6\})$	858993460
10	$\mathcal{O}(0; \{2^{11}, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^7, 10^7\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^9, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{2, 5^6, 10^9\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5^3, 10^{10}\})$	13421772
10	$\mathcal{O}(0; \{2^7, 10^{11}\})$	838860
10	$\mathcal{O}(0; \{2^2, 5^2, 10^{12}\})$	53687092
10	$\mathcal{O}(0; \{5, 10^{14}\})$	214748364
11	$\mathcal{O}(3; \{11^7\})$	1610508389490
12	$\mathcal{O}(5; \{4^2\})$	123832631296
12	$\mathcal{O}(4; \{2^4, 4^2\})$	859832320
12	$\mathcal{O}(4; \{3^3, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{2, 4^4\})$	3439329280
12	$\mathcal{O}(4; \{2, 3, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2, 3^2, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^2, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^2, 3, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{6^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{4, 12^3\})$	6879707136
12	$\mathcal{O}(3; \{2^8, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2^4, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{3^6, 4^2\})$	131383296
12	$\mathcal{O}(3; \{2^5, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2, 3^3, 4^4\})$	47775744
12	$\mathcal{O}(3; \{2^2, 4^6\})$	95420416
12	$\mathcal{O}(3; \{2^5, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2, 3^4, 4^2, 6\})$	59719680
12	$\mathcal{O}(3; \{2^2, 3, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 6^2\})$	35831808
12	$\mathcal{O}(3; \{2^3, 4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{4^4, 6^3\})$	47775744
12	$\mathcal{O}(3; \{3, 4^2, 6^4\})$	59719680
12	$\mathcal{O}(3; \{2^5, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3^5, 4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3^2, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{2^6, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^3, 4, 6, 12\})$	59719680

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{4^5, 6, 12\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{3, 4^3, 6^2, 12\})$	143327232
12	$\mathcal{O}(3; \{3^2, 4, 6^3, 12\})$	131383296
12	$\mathcal{O}(3; \{2, 4, 6^4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^6, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{3, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{3^2, 4^2, 6, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^4, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{3^3, 6^2, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2, 4^2, 6^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2, 3, 6^3, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^4, 4, 12^3\})$	47775744
12	$\mathcal{O}(3; \{3^3, 4, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2, 4^3, 12^3\})$	191102976
12	$\mathcal{O}(3; \{2, 3, 4, 6, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2, 3^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2^2, 6, 12^4\})$	238878720
12	$\mathcal{O}(3; \{12^6\})$	2102132736
12	$\mathcal{O}(2; \{2^{12}, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^8, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{3^9, 4^2\})$	7050240
12	$\mathcal{O}(2; \{2^9, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^5, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2, 3^6, 4^4\})$	3649536
12	$\mathcal{O}(2; \{2^6, 4^6\})$	655360
12	$\mathcal{O}(2; \{2^2, 3^3, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^3, 4^8\})$	2621440
12	$\mathcal{O}(2; \{4^{10}\})$	10485760
12	$\mathcal{O}(2; \{2^9, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2, 3^7, 4^2, 6\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^4, 4^4, 6\})$	1658880
12	$\mathcal{O}(2; \{2^3, 3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{3, 4^8, 6\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 6^2\})$	1741824

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{3^2, 4^6, 6^2\})$	3981312
12	$\mathcal{O}(2; \{2^7, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2^4, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{3^3, 4^4, 6^3\})$	3649536
12	$\mathcal{O}(2; \{2, 4^6, 6^3\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{3^4, 4^2, 6^4\})$	3566592
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^4\})$	1658880
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^5\})$	1741824
12	$\mathcal{O}(2; \{2^2, 4^2, 6^6\})$	912384
12	$\mathcal{O}(2; \{2^9, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2, 3^8, 4, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^5, 4^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{3^2, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^{10}, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^6, 4, 6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^7, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2^4, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{3^3, 4^5, 6, 12\})$	6635520
12	$\mathcal{O}(2; \{2, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{3^4, 4^3, 6^2, 12\})$	6967296
12	$\mathcal{O}(2; \{2, 3, 4^5, 6^2, 12\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{3^5, 4, 6^3, 12\})$	7050240
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6^3, 12\})$	3649536
12	$\mathcal{O}(2; \{2^5, 4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^2, 4^3, 6^4, 12\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^5, 12\})$	1741824
12	$\mathcal{O}(2; \{4, 6^7, 12\})$	3566592
12	$\mathcal{O}(2; \{2^{10}, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3^7, 12^2\})$	7050240

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^4, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{3^4, 4^4, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2, 3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^5, 4^2, 6, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2, 3^2, 4^4, 6, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^8, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^4, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{3^6, 6^2, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^5, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^2, 4^4, 6^2, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^5, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{2, 3^4, 6^3, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^3, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3^2, 6^4, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^3, 6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{4^2, 6^5, 12^2\})$	6967296
12	$\mathcal{O}(2; \{3, 6^6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^8, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2^4, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{3^6, 4, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2^5, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{2, 3^3, 4^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^2, 4^5, 12^3\})$	5308416
12	$\mathcal{O}(2; \{2^5, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2, 3^4, 4, 6, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^2, 3, 4^3, 6, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 6^2, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^3, 4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{4^3, 6^3, 12^3\})$	14598144
12	$\mathcal{O}(2; \{3, 4, 6^4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2, 3^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^6, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^3, 6, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{4^4, 6, 12^4\})$	26542080

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^3, 3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3, 4^2, 6^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{3^2, 6^3, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2, 6^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{3, 4^3, 12^5\})$	58392576
12	$\mathcal{O}(2; \{3^2, 4, 6, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2, 4, 6^2, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^4, 12^6\})$	14598144
12	$\mathcal{O}(2; \{3^3, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2, 4^2, 12^6\})$	58392576
12	$\mathcal{O}(2; \{2, 3, 6, 12^6\})$	57065472
12	$\mathcal{O}(1; \{2^{16}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{3^{12}, 4^2\})$	393408
12	$\mathcal{O}(1; \{2^{13}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^9, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2, 3^9, 4^4\})$	195840
12	$\mathcal{O}(1; \{2^{10}, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^6, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^6, 4^6\})$	101376
12	$\mathcal{O}(1; \{2^7, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^3, 3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^4, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{3^3, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2, 4^{12}\})$	262144
12	$\mathcal{O}(1; \{2^{13}, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^9, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2, 3^{10}, 4^2, 6\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^7, 4^4, 6\})$	99072
12	$\mathcal{O}(1; \{2^7, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^4, 4^6, 6\})$	46080
12	$\mathcal{O}(1; \{2^4, 3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{3^4, 4^8, 6\})$	184320
12	$\mathcal{O}(1; \{2, 3, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 6^2\})$	12096

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 6^2\})$	98496
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 6^2\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{3^5, 4^6, 6^2\})$	193536
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 6^2\})$	110592
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6^3\})$	48960
12	$\mathcal{O}(1; \{2^8, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{3^6, 4^4, 6^3\})$	195840
12	$\mathcal{O}(1; \{2^5, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6^3\})$	101376
12	$\mathcal{O}(1; \{2^2, 4^8, 6^3\})$	36864
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{3^7, 4^2, 6^4\})$	196416
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^4\})$	46080
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^5\})$	98496
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^5\})$	48384
12	$\mathcal{O}(1; \{2^6, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^6\})$	48960
12	$\mathcal{O}(1; \{2^3, 4^4, 6^6\})$	25344
12	$\mathcal{O}(1; \{4^6, 6^6\})$	101376
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^7\})$	24768
12	$\mathcal{O}(1; \{3, 4^4, 6^7\})$	99072
12	$\mathcal{O}(1; \{3^2, 4^2, 6^8\})$	98496
12	$\mathcal{O}(1; \{2, 4^2, 6^9\})$	48960
12	$\mathcal{O}(1; \{2^{13}, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^9, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2, 3^{11}, 4, 12\})$	393408
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^8, 4^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^5, 4^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{3^5, 4^7, 12\})$	405504

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^2, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{2^{14}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^6, 4, 6, 12\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^9, 4, 6, 12\})$	196416
12	$\mathcal{O}(1; \{2^{11}, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^3, 4^3, 6, 12\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^6, 4^3, 6, 12\})$	99072
12	$\mathcal{O}(1; \{2^8, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^3, 4^5, 6, 12\})$	46080
12	$\mathcal{O}(1; \{3^6, 4^5, 6, 12\})$	396288
12	$\mathcal{O}(1; \{2^5, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{2, 3^3, 4^7, 6, 12\})$	184320
12	$\mathcal{O}(1; \{2^2, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 6^2, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 6^2, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 6^2, 12\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 6^2, 12\})$	48384
12	$\mathcal{O}(1; \{3^7, 4^3, 6^2, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 6^2, 12\})$	27648
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 6^2, 12\})$	193536
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 6^2, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6^3, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6^3, 12\})$	48960
12	$\mathcal{O}(1; \{3^8, 4, 6^3, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6^3, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6^3, 12\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6^3, 12\})$	101376
12	$\mathcal{O}(1; \{2^9, 4, 6^4, 12\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^4, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^4, 12\})$	196416
12	$\mathcal{O}(1; \{2^6, 4^3, 6^4, 12\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^4, 12\})$	99072
12	$\mathcal{O}(1; \{2^3, 4^5, 6^4, 12\})$	46080
12	$\mathcal{O}(1; \{4^7, 6^4, 12\})$	184320
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^5, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^5, 12\})$	98496
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^5, 12\})$	48384
12	$\mathcal{O}(1; \{3, 4^5, 6^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^6, 12\})$	48960
12	$\mathcal{O}(1; \{3^2, 4^3, 6^6, 12\})$	195840
12	$\mathcal{O}(1; \{2^4, 4, 6^7, 12\})$	24768

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^3, 4, 6^7, 12\})$	196416
12	$\mathcal{O}(1; \{2, 4^3, 6^7, 12\})$	99072
12	$\mathcal{O}(1; \{2, 3, 4, 6^8, 12\})$	98496
12	$\mathcal{O}(1; \{2^{14}, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^6, 3^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^2, 3^{10}, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^{11}, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 3, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{3^7, 4^4, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 3, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2, 3^4, 4^6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^2, 3, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^7, 3^5, 6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^3, 3^8, 6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6, 12^2\})$	99072
12	$\mathcal{O}(1; \{3^8, 4^2, 6, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6, 12^2\})$	46080
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^{12}, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^8, 3^3, 6^2, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^6, 6^2, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^9, 6^2, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^9, 4^2, 6^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^6, 4^4, 6^2, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^2, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^3, 4^6, 6^2, 12^2\})$	110592
12	$\mathcal{O}(1; \{4^8, 6^2, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^9, 3, 6^3, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^7, 6^3, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6^3, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6^3, 12^2\})$	101376
12	$\mathcal{O}(1; \{3, 4^6, 6^3, 12^2\})$	405504

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^5, 6^4, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^4, 12^2\})$	99072
12	$\mathcal{O}(1; \{3^2, 4^4, 6^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^3, 6^5, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^4, 4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^3, 4^2, 6^5, 12^2\})$	393984
12	$\mathcal{O}(1; \{2, 4^4, 6^5, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^4, 3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^4, 6^6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2, 3^2, 6^7, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^2, 6^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2^{12}, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^8, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{3^9, 4, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^9, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2^5, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2, 3^6, 4^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^6, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^2, 3^3, 4^5, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^3, 4^7, 12^3\})$	147456
12	$\mathcal{O}(1; \{4^9, 12^3\})$	589824
12	$\mathcal{O}(1; \{2^9, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 3^7, 4, 6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^4, 4^3, 6, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^3, 3, 4^5, 6, 12^3\})$	184320
12	$\mathcal{O}(1; \{3, 4^7, 6, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 6^2, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 6^2, 12^3\})$	193536
12	$\mathcal{O}(1; \{3^2, 4^5, 6^2, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^7, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6^3, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^4, 4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^3, 4^3, 6^3, 12^3\})$	783360
12	$\mathcal{O}(1; \{2, 4^5, 6^3, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^4, 4, 6^4, 12^3\})$	785664

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^4, 12^3\})$	396288
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^5, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^2, 4, 6^6, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^9, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^5, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 3^8, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{3^2, 4^6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^{10}, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^6, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^6, 6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^4, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{3^3, 4^4, 6, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2, 4^6, 6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^7, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{3^4, 4^2, 6^2, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^2, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^4, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^5, 6^3, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^3, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^5, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2, 3^3, 6^4, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 4^2, 6^4, 12^4\})$	396288
12	$\mathcal{O}(1; \{2^2, 3, 6^5, 12^4\})$	393984
12	$\mathcal{O}(1; \{6^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^7, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^4, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{3^4, 4^3, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2, 3, 4^5, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{3^5, 4, 6, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2, 3^2, 4^3, 6, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^5, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2, 3^3, 4, 6^2, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^2, 4^3, 6^2, 12^5\})$	774144
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^3, 12^5\})$	783360

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{4, 6^5, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^8, 12^6\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{3^6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2^5, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^2, 4^4, 12^6\})$	1622016
12	$\mathcal{O}(1; \{2^5, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{2, 3^4, 6, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^3, 6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{4^2, 6^3, 12^6\})$	3133440
12	$\mathcal{O}(1; \{3, 6^4, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^3, 4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{4^3, 6, 12^7\})$	6340608
12	$\mathcal{O}(1; \{3, 4, 6^2, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^3, 3, 12^8\})$	3133440
12	$\mathcal{O}(1; \{3, 4^2, 12^8\})$	12533760
12	$\mathcal{O}(1; \{3^2, 6, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2, 6^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2, 4, 12^9\})$	12533760
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{3^{15}, 4^2\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^9, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^5, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2, 3^{12}, 4^4\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^6, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^2, 3^9, 4^6\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^3, 3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{3^6, 4^{10}\})$	11264
12	$\mathcal{O}(0; \{2, 3^3, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{2^{17}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^9, 3^7, 4^2, 6\})$	172

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2, 3^{13}, 4^2, 6\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^6, 3^7, 4^4, 6\})$	688
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^4, 6\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^7, 3^4, 4^6, 6\})$	320
12	$\mathcal{O}(0; \{2^3, 3^7, 4^6, 6\})$	2752
12	$\mathcal{O}(0; \{2^8, 3, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^4, 3^4, 4^8, 6\})$	1280
12	$\mathcal{O}(0; \{3^7, 4^8, 6\})$	11008
12	$\mathcal{O}(0; \{2^5, 3, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2, 3^4, 4^{10}, 6\})$	5120
12	$\mathcal{O}(0; \{2^2, 3, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 6^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 6^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 6^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 6^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 6^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 6^2\})$	192
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 6^2\})$	1344
12	$\mathcal{O}(0; \{3^8, 4^6, 6^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 6^2\})$	768
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 6^2\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 6^2\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6^3\})$	340
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6^3\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6^3\})$	176
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6^3\})$	1360
12	$\mathcal{O}(0; \{3^9, 4^4, 6^3\})$	10928
12	$\mathcal{O}(0; \{2^9, 4^6, 6^3\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6^3\})$	704
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6^3\})$	5440
12	$\mathcal{O}(0; \{2^6, 4^8, 6^3\})$	256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6^3\})$	2816
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6^3\})$	1024
12	$\mathcal{O}(0; \{4^{12}, 6^3\})$	4096

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^4\})$	172
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^4\})$	1364
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^4\})$	10924
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^4\})$	80
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^4\})$	688
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^4\})$	5456
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^4\})$	320
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^4\})$	1280
12	$\mathcal{O}(0; \{3, 4^{10}, 6^4\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^5\})$	84
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^5\})$	684
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^5\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^5\})$	336
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^5\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^5\})$	1344
12	$\mathcal{O}(0; \{3^2, 4^8, 6^5\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^6\})$	340
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^6\})$	2732
12	$\mathcal{O}(0; \{2^7, 4^4, 6^6\})$	176
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^6\})$	1360
12	$\mathcal{O}(0; \{2^4, 4^6, 6^6\})$	704
12	$\mathcal{O}(0; \{3^3, 4^6, 6^6\})$	5440
12	$\mathcal{O}(0; \{2, 4^8, 6^6\})$	2816
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^7\})$	172
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{3^4, 4^4, 6^7\})$	5456
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^7\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{3^5, 4^2, 6^8\})$	5460
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^8\})$	2736
12	$\mathcal{O}(0; \{2^5, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^9\})$	2732
12	$\mathcal{O}(0; \{2^2, 4^4, 6^9\})$	1360
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^{10}\})$	1364
12	$\mathcal{O}(0; \{4^2, 6^{12}\})$	2732
12	$\mathcal{O}(0; \{2^{17}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^9, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^5, 3^{11}, 4, 12\})$	2732

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{14}, 4, 12\})$	21844
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^6, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{2^3, 3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^4, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{3^8, 4^7, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2, 3^5, 4^9, 12\})$	11264
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{18}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^6, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{12}, 4, 6, 12\})$	10924
12	$\mathcal{O}(0; \{2^{15}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^7, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{2^3, 3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^8, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2^4, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{3^9, 4^5, 6, 12\})$	21824
12	$\mathcal{O}(0; \{2^9, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^5, 3^3, 4^7, 6, 12\})$	1280
12	$\mathcal{O}(0; \{2, 3^6, 4^7, 6, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^3, 4^9, 6, 12\})$	5120
12	$\mathcal{O}(0; \{2^3, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{4^{13}, 6, 12\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{3^{10}, 4^3, 6^2, 12\})$	21840
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 6^2, 12\})$	192

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 6^2, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 6^2, 12\})$	5376
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 6^2, 12\})$	3072
12	$\mathcal{O}(0; \{3, 4^{11}, 6^2, 12\})$	12288
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{3^{11}, 4, 6^3, 12\})$	21844
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6^3, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6^3, 12\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{3^2, 4^9, 6^3, 12\})$	11264
12	$\mathcal{O}(0; \{2^{13}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^4, 12\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^4, 12\})$	5456
12	$\mathcal{O}(0; \{2^7, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2^4, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{3^3, 4^7, 6^4, 12\})$	11008
12	$\mathcal{O}(0; \{2, 4^9, 6^4, 12\})$	5120
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^5, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{3^4, 4^5, 6^5, 12\})$	10944
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^5, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{3^5, 4^3, 6^6, 12\})$	10928
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^6, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 4, 6^7, 12\})$	172

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{3^6, 4, 6^7, 12\})$	10924
12	$\mathcal{O}(0; \{2^5, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^7, 12\})$	5456
12	$\mathcal{O}(0; \{2^2, 4^5, 6^7, 12\})$	2752
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^8, 12\})$	5460
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^8, 12\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^9, 12\})$	2732
12	$\mathcal{O}(0; \{2^3, 4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{4^3, 6^{10}, 12\})$	5456
12	$\mathcal{O}(0; \{3, 4, 6^{11}, 12\})$	5460
12	$\mathcal{O}(0; \{2^{18}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{10}, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^6, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^2, 3^{13}, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{15}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{12}, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{3^{10}, 4^4, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^9, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2, 3^7, 4^6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^3, 3, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{3, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{11}, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^7, 3^8, 6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^{11}, 6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6, 12^2\})$	5456
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6, 12^2\})$	320
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6, 12^2\})$	2752
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6, 12^2\})$	21824

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8, 6, 12^2\})$	5120
12	$\mathcal{O}(0; \{3^2, 4^{10}, 6, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^{16}, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{12}, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^8, 3^6, 6^2, 12^2\})$	684
12	$\mathcal{O}(0; \{2^4, 3^9, 6^2, 12^2\})$	5460
12	$\mathcal{O}(0; \{3^{12}, 6^2, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^{13}, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6^2, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6^2, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^7, 4^6, 6^2, 12^2\})$	768
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6^2, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^4, 4^8, 6^2, 12^2\})$	3072
12	$\mathcal{O}(0; \{3^3, 4^8, 6^2, 12^2\})$	21504
12	$\mathcal{O}(0; \{2, 4^{10}, 6^2, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{13}, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^9, 3^4, 6^3, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^7, 6^3, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^{10}, 6^3, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^3, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^3, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^3, 12^2\})$	704
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^3, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^3, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^4, 4^6, 6^3, 12^2\})$	21760
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^3, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^5, 6^4, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^8, 6^4, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^4, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^4, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^5, 4^4, 6^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^4, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^{11}, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^3, 6^5, 12^2\})$	684

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 6^5, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^8, 4^2, 6^5, 12^2\})$	336
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^5, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^6, 4^2, 6^5, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^5, 4^4, 6^5, 12^2\})$	1344
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^5, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^2, 4^6, 6^5, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^8, 3, 6^6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^4, 6^6, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^7, 6^6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^2, 6^7, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^5, 6^7, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^7, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 6^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^3, 6^8, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^3, 4^2, 6^8, 12^2\})$	2736
12	$\mathcal{O}(0; \{4^4, 6^8, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^3, 3, 6^9, 12^2\})$	2732
12	$\mathcal{O}(0; \{3, 4^2, 6^9, 12^2\})$	10928
12	$\mathcal{O}(0; \{3^2, 6^{10}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2, 6^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{16}, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^8, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^9, 4, 12^3\})$	10928
12	$\mathcal{O}(0; \{3^{12}, 4, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^{13}, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^9, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^5, 3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2, 3^9, 4^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^{10}, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^6, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^6, 4^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^7, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^3, 3^3, 4^7, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^4, 4^9, 12^3\})$	4096
12	$\mathcal{O}(0; \{3^3, 4^9, 12^3\})$	45056
12	$\mathcal{O}(0; \{2, 4^{11}, 12^3\})$	16384
12	$\mathcal{O}(0; \{2^{13}, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^9, 3^4, 4, 6, 12^3\})$	688

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2, 3^{10}, 4, 6, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^{10}, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2^6, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^7, 4^3, 6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^4, 4^5, 6, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 3, 4^7, 6, 12^3\})$	5120
12	$\mathcal{O}(0; \{3^4, 4^7, 6, 12^3\})$	44032
12	$\mathcal{O}(0; \{2, 3, 4^9, 6, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 6^2, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 6^2, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 6^2, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^5, 4^5, 6^2, 12^3\})$	43776
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 6^2, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^{11}, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6^3, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^8, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^6, 4^3, 6^3, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^5, 4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6^3, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^2, 4^7, 6^3, 12^3\})$	11264
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^4, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^7, 4, 6^4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^4, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^4, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^5, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^5, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^6, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^6, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^3, 4^3, 6^6, 12^3\})$	5440
12	$\mathcal{O}(0; \{4^5, 6^6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^7, 12^3\})$	5456
12	$\mathcal{O}(0; \{3, 4^3, 6^7, 12^3\})$	21824
12	$\mathcal{O}(0; \{3^2, 4, 6^8, 12^3\})$	21840

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4, 6^9, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^{13}, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^9, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^5, 3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2, 3^{11}, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 12^4\})$	11264
12	$\mathcal{O}(0; \{3^5, 4^6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^{14}, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{10}, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2^6, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^9, 6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^8, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6, 12^4\})$	11008
12	$\mathcal{O}(0; \{3^6, 4^4, 6, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^5, 4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^2, 4^8, 6, 12^4\})$	20480
12	$\mathcal{O}(0; \{2^{11}, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^7, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^7, 6^2, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^7, 4^2, 6^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^2, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^2, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^5, 6^3, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^8, 6^3, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^3, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^3, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^3, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^9, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^5, 3^3, 6^4, 12^4\})$	5456

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^6, 6^4, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^6, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^4, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^3, 4^4, 6^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{4^6, 6^4, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^6, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^4, 6^5, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^5, 12^4\})$	10944
12	$\mathcal{O}(0; \{3, 4^4, 6^5, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^2, 6^6, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^2, 4^2, 6^6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^4, 6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{3^3, 6^7, 12^4\})$	43696
12	$\mathcal{O}(0; \{2, 4^2, 6^7, 12^4\})$	21824
12	$\mathcal{O}(0; \{2, 3, 6^8, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^7, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^7, 4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{3^7, 4^3, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2, 3^4, 4^5, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^2, 3, 4^7, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^8, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{3^8, 4, 6, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2, 3^5, 4^3, 6, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^2, 3^2, 4^5, 6, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^9, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^6, 4, 6^2, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^6, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 6^2, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^3, 4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{4^7, 6^2, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^6, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6^3, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{3, 4^5, 6^3, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{3^2, 4^3, 6^4, 12^5\})$	87296

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{3^3, 4, 6^5, 12^5\})$	87360
12	$\mathcal{O}(0; \{2, 4^3, 6^5, 12^5\})$	43776
12	$\mathcal{O}(0; \{2, 3, 4, 6^6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^{12}, 12^6\})$	704
12	$\mathcal{O}(0; \{2^8, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{3^9, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^9, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^6, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^3, 4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{4^8, 12^6\})$	180224
12	$\mathcal{O}(0; \{2^9, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 3^7, 6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{3, 4^6, 6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^6, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^5, 6^2, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{3^2, 4^4, 6^2, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^7, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^4, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^3, 4^2, 6^3, 12^6\})$	174848
12	$\mathcal{O}(0; \{2, 4^4, 6^3, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^4, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^4, 6^4, 12^6\})$	174784
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^4, 12^6\})$	87296
12	$\mathcal{O}(0; \{2, 3^2, 6^5, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^2, 6^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{3^2, 4^5, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^7, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^4, 4^3, 6, 12^7\})$	44032

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 4^3, 6, 12^7\})$	349184
12	$\mathcal{O}(0; \{2, 4^5, 6, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{3^4, 4, 6^2, 12^7\})$	349440
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 12^7\})$	175104
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^2, 4, 6^4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2^7, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{3^4, 4^2, 12^8\})$	699392
12	$\mathcal{O}(0; \{2, 3, 4^4, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^4, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^5, 6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^5, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2, 3^3, 6^2, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^2, 3, 6^3, 12^8\})$	174848
12	$\mathcal{O}(0; \{6^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^5, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{2, 3^3, 4, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^2, 4^3, 12^9\})$	348160
12	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12^9\})$	349184
12	$\mathcal{O}(0; \{4, 6^3, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^2, 3^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^3, 6, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{4^2, 6, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{3, 6^2, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{3, 4, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{2, 12^{12}\})$	2797568
13	$\mathcal{O}(4; \{13^3\})$	107676455172
14	$\mathcal{O}(3; \{2^3, 7^2, 14\})$	225886080
14	$\mathcal{O}(3; \{2, 7, 14^3\})$	1400493696
14	$\mathcal{O}(2; \{2^2, 7^6\})$	256081056
14	$\mathcal{O}(2; \{2^7, 7^2, 14\})$	1152480
14	$\mathcal{O}(2; \{7^5, 14^2\})$	1536255840
14	$\mathcal{O}(2; \{2^5, 7, 14^3\})$	7145376
14	$\mathcal{O}(2; \{2^3, 14^5\})$	42641760
14	$\mathcal{O}(1; \{2^6, 7^6\})$	1306536
14	$\mathcal{O}(1; \{2^{11}, 7^2, 14\})$	5880
14	$\mathcal{O}(1; \{2^4, 7^5, 14^2\})$	7838040
14	$\mathcal{O}(1; \{2^9, 7, 14^3\})$	36456

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^2, 7^4, 14^4\})$	47029416
14	$\mathcal{O}(1; \{2^7, 14^5\})$	217560
14	$\mathcal{O}(1; \{7^3, 14^6\})$	282175320
14	$\mathcal{O}(0; \{2^{10}, 7^6\})$	6666
14	$\mathcal{O}(0; \{2^{15}, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{2^3, 7^9, 14\})$	8638026
14	$\mathcal{O}(0; \{2^8, 7^5, 14^2\})$	39990
14	$\mathcal{O}(0; \{2^{13}, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2, 7^8, 14^3\})$	51828150
14	$\mathcal{O}(0; \{2^6, 7^4, 14^4\})$	239946
14	$\mathcal{O}(0; \{2^{11}, 14^5\})$	1110
14	$\mathcal{O}(0; \{2^4, 7^3, 14^6\})$	1439670
14	$\mathcal{O}(0; \{2^2, 7^2, 14^8\})$	8638026
14	$\mathcal{O}(0; \{7, 14^{10}\})$	51828150
15	$\mathcal{O}(4; \{5^2\})$	10250000000
15	$\mathcal{O}(3; \{3^3, 5^2\})$	91125000
15	$\mathcal{O}(3; \{5, 15^3\})$	1184625000
15	$\mathcal{O}(2; \{3^6, 5^2\})$	4455000
15	$\mathcal{O}(2; \{5^7\})$	163800000
15	$\mathcal{O}(2; \{3, 5^5, 15\})$	83025000
15	$\mathcal{O}(2; \{3^2, 5^3, 15^2\})$	61965000
15	$\mathcal{O}(2; \{3^3, 5, 15^3\})$	57915000
15	$\mathcal{O}(2; \{15^6\})$	913275000
15	$\mathcal{O}(1; \{3^9, 5^2\})$	153000
15	$\mathcal{O}(1; \{3^3, 5^7\})$	1474200
15	$\mathcal{O}(1; \{3^4, 5^5, 15\})$	1845000
15	$\mathcal{O}(1; \{3^5, 5^3, 15^2\})$	1927800
15	$\mathcal{O}(1; \{3^6, 5, 15^3\})$	1989000
15	$\mathcal{O}(1; \{5^6, 15^3\})$	23592600
15	$\mathcal{O}(1; \{3, 5^4, 15^4\})$	29493000
15	$\mathcal{O}(1; \{3^2, 5^2, 15^5\})$	30958200
15	$\mathcal{O}(1; \{3^3, 15^6\})$	31365000
15	$\mathcal{O}(0; \{3^{12}, 5^2\})$	5464
15	$\mathcal{O}(0; \{3^6, 5^7\})$	72072
15	$\mathcal{O}(0; \{3^7, 5^5, 15\})$	70520
15	$\mathcal{O}(0; \{3, 5^{10}, 15\})$	1677720
15	$\mathcal{O}(0; \{3^8, 5^3, 15^2\})$	69768
15	$\mathcal{O}(0; \{3^2, 5^8, 15^2\})$	1258296
15	$\mathcal{O}(0; \{3^9, 5, 15^3\})$	71032
15	$\mathcal{O}(0; \{3^3, 5^6, 15^3\})$	1153416
15	$\mathcal{O}(0; \{3^4, 5^4, 15^4\})$	1127288
15	$\mathcal{O}(0; \{3^5, 5^2, 15^5\})$	1120392
15	$\mathcal{O}(0; \{3^6, 15^6\})$	1120120

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{5^5, 15^6\})$	18454920
15	$\mathcal{O}(0; \{3, 5^3, 15^7\})$	18035576
15	$\mathcal{O}(0; \{3^2, 5, 15^8\})$	17930376
16	$\mathcal{O}(3; \{2, 4, 16^2\})$	268435456
16	$\mathcal{O}(2; \{2^5, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{2^2, 4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2^3, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(2; \{4^2, 8^2, 16^2\})$	33554432
16	$\mathcal{O}(2; \{2, 8, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^9, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^6, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^3, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{4^7, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^7, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^4, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2, 4^4, 8^2, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^2, 4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{8^6, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^5, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{2^2, 4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{4, 8^3, 16^4\})$	16777216
16	$\mathcal{O}(1; \{2^3, 16^6\})$	8388608
16	$\mathcal{O}(1; \{4^2, 16^6\})$	33554432
16	$\mathcal{O}(0; \{2^{13}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^{10}, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^7, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^4, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2, 4^9, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^{11}, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^8, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^5, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^2, 4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^6, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^3, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{4^5, 8^4, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^4, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2, 4^2, 8^6, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^9, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^6, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^3, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{4^6, 8, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^4, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2, 4^3, 8^3, 16^4\})$	262144

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^2, 8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^7, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^4, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{2, 4^4, 16^6\})$	524288
16	$\mathcal{O}(0; \{2^2, 4, 8^2, 16^6\})$	1048576
16	$\mathcal{O}(0; \{8^4, 16^6\})$	8388608
16	$\mathcal{O}(0; \{4, 8, 16^8\})$	16777216
17	$\mathcal{O}(2; \{17^5\})$	5151575280
18	$\mathcal{O}(3; \{2^2, 3^2\})$	67931136
18	$\mathcal{O}(3; \{3, 6^2\})$	67931136
18	$\mathcal{O}(3; \{2, 9, 18\})$	204073344
18	$\mathcal{O}(2; \{2^6, 3^2\})$	207360
18	$\mathcal{O}(2; \{2^2, 3^5\})$	1036800
18	$\mathcal{O}(2; \{2^3, 3^3, 6\})$	622080
18	$\mathcal{O}(2; \{2^4, 3, 6^2\})$	207360
18	$\mathcal{O}(2; \{3^4, 6^2\})$	2280960
18	$\mathcal{O}(2; \{2, 3^2, 6^3\})$	1036800
18	$\mathcal{O}(2; \{2^2, 6^4\})$	622080
18	$\mathcal{O}(2; \{2^2, 3, 9^3\})$	3779136
18	$\mathcal{O}(2; \{6^2, 9^3\})$	7558272
18	$\mathcal{O}(2; \{2^5, 9, 18\})$	629856
18	$\mathcal{O}(2; \{2, 3^3, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{2^2, 3, 6, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{6^3, 9, 18\})$	5038848
18	$\mathcal{O}(2; \{3, 9^2, 18^2\})$	34012224
18	$\mathcal{O}(2; \{2^3, 18^3\})$	1889568
18	$\mathcal{O}(2; \{3, 6, 18^3\})$	7558272
18	$\mathcal{O}(1; \{2^{10}, 3^2\})$	576
18	$\mathcal{O}(1; \{2^6, 3^5\})$	2880
18	$\mathcal{O}(1; \{2^2, 3^8\})$	24768
18	$\mathcal{O}(1; \{2^7, 3^3, 6\})$	1728
18	$\mathcal{O}(1; \{2^3, 3^6, 6\})$	12096
18	$\mathcal{O}(1; \{2^8, 3, 6^2\})$	576
18	$\mathcal{O}(1; \{2^4, 3^4, 6^2\})$	6336
18	$\mathcal{O}(1; \{3^7, 6^2\})$	48960
18	$\mathcal{O}(1; \{2^5, 3^2, 6^3\})$	2880
18	$\mathcal{O}(1; \{2, 3^5, 6^3\})$	24768
18	$\mathcal{O}(1; \{2^6, 6^4\})$	1728
18	$\mathcal{O}(1; \{2^2, 3^3, 6^4\})$	12096
18	$\mathcal{O}(1; \{2^3, 3, 6^5\})$	6336
18	$\mathcal{O}(1; \{3^2, 6^6\})$	24768
18	$\mathcal{O}(1; \{2, 6^7\})$	12096
18	$\mathcal{O}(1; \{2^6, 3, 9^3\})$	11664

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 3^4, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^4, 6^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{3^3, 6^2, 9^3\})$	186624
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 9^6\})$	1732104
18	$\mathcal{O}(1; \{2^9, 9, 18\})$	1944
18	$\mathcal{O}(1; \{2^5, 3^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2, 3^6, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2^6, 3, 6, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2^2, 3^4, 6, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2^3, 3^2, 6^2, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^4, 6^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{3^3, 6^3, 9, 18\})$	124416
18	$\mathcal{O}(1; \{2, 3, 6^4, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2, 3^2, 9^4, 18\})$	1049760
18	$\mathcal{O}(1; \{2^2, 6, 9^4, 18\})$	524880
18	$\mathcal{O}(1; \{2^4, 3, 9^2, 18^2\})$	104976
18	$\mathcal{O}(1; \{3^4, 9^2, 18^2\})$	839808
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^2, 18^2\})$	419904
18	$\mathcal{O}(1; \{2^2, 6^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{9^5, 18^2\})$	9920232
18	$\mathcal{O}(1; \{2^7, 18^3\})$	5832
18	$\mathcal{O}(1; \{2^3, 3^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^4, 3, 6, 18^3\})$	23328
18	$\mathcal{O}(1; \{3^4, 6, 18^3\})$	186624
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 18^3\})$	93312
18	$\mathcal{O}(1; \{2^2, 6^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{6, 9^3, 18^3\})$	3464208
18	$\mathcal{O}(1; \{2^2, 3, 9, 18^4\})$	524880
18	$\mathcal{O}(1; \{6^2, 9, 18^4\})$	1049760
18	$\mathcal{O}(1; \{3, 18^6\})$	3464208
18	$\mathcal{O}(0; \{2^{10}, 3, 9^3\})$	36
18	$\mathcal{O}(0; \{2^6, 3^4, 9^3\})$	288
18	$\mathcal{O}(0; \{2^2, 3^7, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^3\})$	144
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^8, 6^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^3\})$	576
18	$\mathcal{O}(0; \{3^6, 6^2, 9^3\})$	4608
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^3\})$	288
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^3\})$	1152

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 6^5, 9^3\})$	576
18	$\mathcal{O}(0; \{3, 6^6, 9^3\})$	2304
18	$\mathcal{O}(0; \{2^6, 9^6\})$	5346
18	$\mathcal{O}(0; \{2^2, 3^3, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^6\})$	21384
18	$\mathcal{O}(0; \{3^2, 6^2, 9^6\})$	85536
18	$\mathcal{O}(0; \{2, 6^3, 9^6\})$	42768
18	$\mathcal{O}(0; \{2^{13}, 9, 18\})$	6
18	$\mathcal{O}(0; \{2^9, 3^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^5, 3^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2, 3^9, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^{10}, 3, 6, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^6, 3^4, 6, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^2, 3^7, 6, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^7, 3^2, 6^2, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^3, 3^5, 6^2, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^8, 6^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^4, 3^3, 6^3, 9, 18\})$	384
18	$\mathcal{O}(0; \{3^6, 6^3, 9, 18\})$	3072
18	$\mathcal{O}(0; \{2^5, 3, 6^4, 9, 18\})$	192
18	$\mathcal{O}(0; \{2, 3^4, 6^4, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^2, 3^2, 6^5, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^3, 6^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{3, 6^7, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^5, 3^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2, 3^5, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2^6, 6, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{3^2, 6^3, 9^4, 18\})$	25920
18	$\mathcal{O}(0; \{2, 6^4, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2, 3, 9^7, 18\})$	376164
18	$\mathcal{O}(0; \{2^8, 3, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^4, 3^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{3^7, 9^2, 18^2\})$	20736
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2^6, 6^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{3^2, 6^4, 9^2, 18^2\})$	10368
18	$\mathcal{O}(0; \{2, 6^5, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^4, 9^5, 18^2\})$	30618

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^3, 9^5, 18^2\})$	244944
18	$\mathcal{O}(0; \{2, 3, 6, 9^5, 18^2\})$	122472
18	$\mathcal{O}(0; \{2^{11}, 18^3\})$	18
18	$\mathcal{O}(0; \{2^7, 3^3, 18^3\})$	144
18	$\mathcal{O}(0; \{2^3, 3^6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^8, 3, 6, 18^3\})$	72
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 18^3\})$	576
18	$\mathcal{O}(0; \{3^7, 6, 18^3\})$	4608
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 18^3\})$	288
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 18^3\})$	2304
18	$\mathcal{O}(0; \{2^6, 6^3, 18^3\})$	144
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 18^3\})$	576
18	$\mathcal{O}(0; \{3^2, 6^5, 18^3\})$	2304
18	$\mathcal{O}(0; \{2, 6^6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^3, 3^2, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^4, 6, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{3^3, 6, 9^3, 18^3\})$	85536
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^3, 18^3\})$	42768
18	$\mathcal{O}(0; \{2^6, 3, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^4, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^4, 6^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{3^3, 6^2, 9, 18^4\})$	25920
18	$\mathcal{O}(0; \{2, 3, 6^3, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2^2, 9^4, 18^4\})$	188082
18	$\mathcal{O}(0; \{2, 3^2, 9^2, 18^5\})$	122472
18	$\mathcal{O}(0; \{2^2, 6, 9^2, 18^5\})$	61236
18	$\mathcal{O}(0; \{2^4, 3, 18^6\})$	10692
18	$\mathcal{O}(0; \{3^4, 18^6\})$	85536
18	$\mathcal{O}(0; \{2, 3^2, 6, 18^6\})$	42768
18	$\mathcal{O}(0; \{2^2, 6^2, 18^6\})$	21384
18	$\mathcal{O}(0; \{9^3, 18^6\})$	1115370
18	$\mathcal{O}(0; \{6, 9, 18^7\})$	376164
19	$\mathcal{O}(4; \emptyset)$	16983563040
20	$\mathcal{O}(2; \{2, 4^2, 5, 10\})$	1280000
20	$\mathcal{O}(2; \{2^2, 5, 20^2\})$	3840000
20	$\mathcal{O}(2; \{10^2, 20^2\})$	16640000
20	$\mathcal{O}(1; \{2^2, 4^2, 5^4\})$	41600
20	$\mathcal{O}(1; \{2^5, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^4, 5, 10\})$	12800
20	$\mathcal{O}(1; \{4^2, 5^3, 10^2\})$	163200
20	$\mathcal{O}(1; \{2^3, 4^2, 10^3\})$	9600

Continued on next page

Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{4^4, 10^3\})$	38400
20	$\mathcal{O}(1; \{4, 5^5, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{4^3, 5^2, 10, 20\})$	166400
20	$\mathcal{O}(1; \{2, 4, 5, 10^3, 20\})$	163200
20	$\mathcal{O}(1; \{2^6, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{4^4, 5, 20^2\})$	153600
20	$\mathcal{O}(1; \{2, 5^3, 10, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^4, 10^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{2, 4^2, 10^2, 20^2\})$	166400
20	$\mathcal{O}(1; \{2, 4, 5^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^2, 10, 20^4\})$	652800
20	$\mathcal{O}(1; \{20^6\})$	10496000
20	$\mathcal{O}(0; \{2^6, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2^3, 4^4, 5^4\})$	416
20	$\mathcal{O}(0; \{4^6, 5^4\})$	1664
20	$\mathcal{O}(0; \{2^9, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^6, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2^3, 4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{4^8, 5, 10\})$	512
20	$\mathcal{O}(0; \{2, 4^2, 5^6, 10\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{2, 4^4, 5^3, 10^2\})$	1632
20	$\mathcal{O}(0; \{2^7, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2^4, 4^4, 10^3\})$	96
20	$\mathcal{O}(0; \{2, 4^6, 10^3\})$	384
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10^4\})$	1640
20	$\mathcal{O}(0; \{4^2, 5, 10^6\})$	6552
20	$\mathcal{O}(0; \{2^4, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{2, 4^3, 5^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^7, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^4, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{2, 4^5, 5^2, 10, 20\})$	1664
20	$\mathcal{O}(0; \{2^2, 4, 5^4, 10^2, 20\})$	6552
20	$\mathcal{O}(0; \{2^5, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 10^3, 20\})$	1632
20	$\mathcal{O}(0; \{4, 5^3, 10^4, 20\})$	26216
20	$\mathcal{O}(0; \{2^3, 4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{4^3, 10^5, 20\})$	6560
20	$\mathcal{O}(0; \{2^{10}, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 20^2\})$	384

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^6, 5, 20^2\})$	1536
20	$\mathcal{O}(0; \{2^2, 5^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^5, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^8, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^5, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{2^2, 4^4, 10^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{5^5, 10^2, 20^2\})$	104856
20	$\mathcal{O}(0; \{2^3, 5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{4^2, 5^2, 10^3, 20^2\})$	26208
20	$\mathcal{O}(0; \{2, 5, 10^5, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{4, 5^4, 10, 20^3\})$	104864
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{4^3, 5, 10^2, 20^3\})$	26240
20	$\mathcal{O}(0; \{2, 4, 10^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{4^2, 5^3, 20^4\})$	104832
20	$\mathcal{O}(0; \{2^6, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{2^3, 4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{4^4, 10, 20^4\})$	26112
20	$\mathcal{O}(0; \{2, 5^2, 10^2, 20^4\})$	104864
20	$\mathcal{O}(0; \{2, 4, 5, 10, 20^5\})$	104832
20	$\mathcal{O}(0; \{2^4, 20^6\})$	26240
20	$\mathcal{O}(0; \{2, 4^2, 20^6\})$	104960
21	$\mathcal{O}(2; \{7^4\})$	35726880
21	$\mathcal{O}(2; \{3, 7, 21^2\})$	11668860
21	$\mathcal{O}(1; \{3^3, 7^4\})$	164052
21	$\mathcal{O}(1; \{3^4, 7, 21^2\})$	291060
21	$\mathcal{O}(1; \{7^3, 21^3\})$	5879412
21	$\mathcal{O}(1; \{3, 21^5\})$	10769220
21	$\mathcal{O}(0; \{3^6, 7^4\})$	4092
21	$\mathcal{O}(0; \{3^2, 7^6, 21\})$	79980
21	$\mathcal{O}(0; \{3^7, 7, 21^2\})$	5100
21	$\mathcal{O}(0; \{3^3, 7^3, 21^3\})$	146652
21	$\mathcal{O}(0; \{3^4, 21^5\})$	188700
21	$\mathcal{O}(0; \{7^2, 21^6\})$	5278812
22	$\mathcal{O}(1; \{2^3, 11^3, 22\})$	440440
22	$\mathcal{O}(1; \{2, 11^2, 22^3\})$	4399560
22	$\mathcal{O}(0; \{2^7, 11^3, 22\})$	910
22	$\mathcal{O}(0; \{2^5, 11^2, 22^3\})$	9090
22	$\mathcal{O}(0; \{2^3, 11, 22^5\})$	90910

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
22	$\mathcal{O}(0; \{2, 22^7\})$	909090
24	$\mathcal{O}(2; \{2^2, 8^2\})$	1310720
24	$\mathcal{O}(2; \{8, 12, 24\})$	5308416
24	$\mathcal{O}(2; \{6, 24^2\})$	2654208
24	$\mathcal{O}(1; \{2^6, 8^2\})$	2048
24	$\mathcal{O}(1; \{2^2, 3^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 4^2, 8^2\})$	8192
24	$\mathcal{O}(1; \{4^4, 8^2\})$	32768
24	$\mathcal{O}(1; \{2^3, 3, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{3, 4^2, 6, 8^2\})$	18432
24	$\mathcal{O}(1; \{3^2, 6^2, 8^2\})$	13824
24	$\mathcal{O}(1; \{2, 6^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2, 4, 8^4\})$	65536
24	$\mathcal{O}(1; \{3^2, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2, 4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2, 3, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^3, 3, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{3, 4^3, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3^2, 4, 6, 8, 24\})$	27648
24	$\mathcal{O}(1; \{2, 4, 6^2, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2, 3, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^4, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{3^3, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{2, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{2, 3, 6, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2^3, 3^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{3^2, 4^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^4, 6, 24^2\})$	4608
24	$\mathcal{O}(1; \{3^3, 6, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 4^2, 6, 24^2\})$	18432
24	$\mathcal{O}(1; \{2, 3, 6^2, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 3, 4, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 12^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{2^2, 8, 24^3\})$	73728
24	$\mathcal{O}(1; \{12, 24^4\})$	737280
24	$\mathcal{O}(0; \{2^6, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{3^3, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{2^7, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8^2\})$	160

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8^2\})$	24
24	$\mathcal{O}(0; \{3^5, 6^2, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^5, 6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8^2\})$	40
24	$\mathcal{O}(0; \{6^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{4, 6^3, 8^4\})$	256
24	$\mathcal{O}(0; \{3, 6, 8^6\})$	2048
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3^5, 4, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^5, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{4, 6^4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 3^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{4^2, 6, 8^4, 12\})$	1024
24	$\mathcal{O}(0; \{3, 6^2, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2^5, 3, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2, 3^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^3, 6^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{4^2, 6^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{3, 6^3, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{3, 4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^3, 4, 8^2, 12^3\})$	128
24	$\mathcal{O}(0; \{4^3, 8^2, 12^3\})$	512
24	$\mathcal{O}(0; \{3, 4, 6, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{2, 8^4, 12^3\})$	1024
24	$\mathcal{O}(0; \{3^2, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{2, 6, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^7, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{3^4, 4^3, 8, 24\})$	320

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 6^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2, 4, 8, 12^4, 24\})$	1280
24	$\mathcal{O}(0; \{2^7, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^3, 3^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 24^2\})$	96
24	$\mathcal{O}(0; \{3^5, 4^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3^2, 4^4, 24^2\})$	384
24	$\mathcal{O}(0; \{2^8, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{2^4, 3^3, 6, 24^2\})$	88
24	$\mathcal{O}(0; \{3^6, 6, 24^2\})$	680
24	$\mathcal{O}(0; \{2^5, 4^2, 6, 24^2\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 4^4, 6, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3, 6^2, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 3^4, 6^2, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 6^4, 24^2\})$	88
24	$\mathcal{O}(0; \{4^2, 6^4, 24^2\})$	352
24	$\mathcal{O}(0; \{3, 6^5, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{4^3, 6, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{3, 4, 6^2, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3^2, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{2, 6, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^5, 3, 4, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 3^4, 4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3, 4^3, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{4^3, 6^2, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{3, 4, 6^3, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^3, 3, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{3, 4^2, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^2, 6, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2, 6^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^6, 12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^3, 4^2, 12^2, 24^2\})$	384
24	$\mathcal{O}(0; \{4^4, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^3, 3, 6, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{3, 4^2, 6, 12^2, 24^2\})$	1408

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^2, 6^2, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 6^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 4, 8^2, 12^2, 24^2\})$	3072
24	$\mathcal{O}(0; \{3^2, 4, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 4, 6, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 3, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^6, 8, 24^3\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^3, 4^2, 8, 24^3\})$	512
24	$\mathcal{O}(0; \{4^4, 8, 24^3\})$	2048
24	$\mathcal{O}(0; \{2^3, 3, 6, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{3, 4^2, 6, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{3^2, 6^2, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2, 6^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2, 4, 8^3, 24^3\})$	4096
24	$\mathcal{O}(0; \{3^2, 4, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 4, 6, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2, 3, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^3, 3, 4, 24^4\})$	1280
24	$\mathcal{O}(0; \{3, 4^3, 24^4\})$	5120
24	$\mathcal{O}(0; \{3^2, 4, 6, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 4, 6^2, 24^4\})$	2816
24	$\mathcal{O}(0; \{2, 3, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^4, 12, 24^4\})$	1280
24	$\mathcal{O}(0; \{3^3, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{2, 4^2, 12, 24^4\})$	5120
24	$\mathcal{O}(0; \{2, 3, 6, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2^2, 24^6\})$	22528
25	$\mathcal{O}(0; \{5, 25^6\})$	10250000
26	$\mathcal{O}(2; \{2, 13, 26\})$	5483712
26	$\mathcal{O}(1; \{2^5, 13, 26\})$	8112
26	$\mathcal{O}(1; \{2^3, 26^3\})$	89232
26	$\mathcal{O}(0; \{2^9, 13, 26\})$	12
26	$\mathcal{O}(0; \{2^7, 26^3\})$	132
27	$\mathcal{O}(1; \{3, 9^4\})$	209952
27	$\mathcal{O}(1; \{3^2, 27^3\})$	472392
27	$\mathcal{O}(0; \{3^5, 27^3\})$	5184
27	$\mathcal{O}(0; \{3, 9^3, 27^3\})$	69984
28	$\mathcal{O}(1; \{4^2, 7^3\})$	47040
28	$\mathcal{O}(1; \{2^3, 4, 7, 28\})$	9408
28	$\mathcal{O}(1; \{4^3, 7, 28\})$	37632
28	$\mathcal{O}(1; \{2, 4, 14^2, 28\})$	47040
28	$\mathcal{O}(0; \{2^4, 4^2, 7^3\})$	60

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2, 4^4, 7^3\})$	240
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 14^2\})$	372
28	$\mathcal{O}(0; \{4^2, 7, 14^4\})$	2220
28	$\mathcal{O}(0; \{2^7, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{2^4, 4^3, 7, 28\})$	48
28	$\mathcal{O}(0; \{2, 4^5, 7, 28\})$	192
28	$\mathcal{O}(0; \{4, 7^4, 14, 28\})$	13332
28	$\mathcal{O}(0; \{2^5, 4, 14^2, 28\})$	60
28	$\mathcal{O}(0; \{2^2, 4^3, 14^2, 28\})$	240
28	$\mathcal{O}(0; \{2^3, 7^2, 14, 28^2\})$	2220
28	$\mathcal{O}(0; \{4^2, 7^2, 14, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 7, 14^3, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^3, 4, 14, 28^3\})$	1488
28	$\mathcal{O}(0; \{4^3, 14, 28^3\})$	5952
28	$\mathcal{O}(0; \{2, 7^2, 28^4\})$	53328
28	$\mathcal{O}(0; \{2, 4, 28^5\})$	35520
29	$\mathcal{O}(2; \{29^2\})$	19803868
30	$\mathcal{O}(2; \{10^2\})$	3200000
30	$\mathcal{O}(1; \{2, 5^3, 10\})$	41600
30	$\mathcal{O}(1; \{2^4, 10^2\})$	3200
30	$\mathcal{O}(1; \{3^3, 10^2\})$	7200
30	$\mathcal{O}(1; \{2, 3, 6, 10^2\})$	7200
30	$\mathcal{O}(1; \{2, 3, 5, 10, 15\})$	21600
30	$\mathcal{O}(1; \{2^2, 15^3\})$	21600
30	$\mathcal{O}(1; \{2^2, 10, 15, 30\})$	21600
30	$\mathcal{O}(1; \{15^2, 30^2\})$	280800
30	$\mathcal{O}(1; \{10, 30^3\})$	93600
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 10\})$	104
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 10\})$	104
30	$\mathcal{O}(0; \{5^3, 6^3, 10\})$	104
30	$\mathcal{O}(0; \{2^4, 3^3, 10^2\})$	8
30	$\mathcal{O}(0; \{3^6, 10^2\})$	88
30	$\mathcal{O}(0; \{2^5, 3, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 6, 10^2\})$	40
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{2^3, 6^3, 10^2\})$	8
30	$\mathcal{O}(0; \{3, 6^4, 10^2\})$	40
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^3\})$	408
30	$\mathcal{O}(0; \{2^2, 3, 5^4, 15\})$	408
30	$\mathcal{O}(0; \{5^4, 6^2, 15\})$	408
30	$\mathcal{O}(0; \{2^5, 3, 5, 10, 15\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 5, 10, 15\})$	120
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10, 15\})$	72

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 15^2, 30^2\})$	312
30	$\mathcal{O}(0; \{3^3, 15^2, 30^2\})$	2184
30	$\mathcal{O}(0; \{2, 3, 6, 15^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 5^3, 30^3\})$	1640
30	$\mathcal{O}(0; \{2^4, 10, 30^3\})$	104
30	$\mathcal{O}(0; \{3^3, 10, 30^3\})$	1144
30	$\mathcal{O}(0; \{2, 3, 6, 10, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 3, 5, 15, 30^3\})$	2040
30	$\mathcal{O}(0; \{2^2, 15, 30^4\})$	2040
30	$\mathcal{O}(0; \{30^6\})$	18040
32	$\mathcal{O}(1; \{4, 8, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^4, 4, 8, 32^2\})$	128
32	$\mathcal{O}(0; \{2, 4^3, 8, 32^2\})$	512
32	$\mathcal{O}(0; \{2^2, 8^3, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^2, 4, 16^2, 32^2\})$	2048
32	$\mathcal{O}(0; \{8^2, 16^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{4, 16, 32^4\})$	65536
33	$\mathcal{O}(1; \{3, 11^2, 33\})$	196020
33	$\mathcal{O}(0; \{3^4, 11^2, 33\})$	900
33	$\mathcal{O}(0; \{3, 11, 33^4\})$	90900
34	$\mathcal{O}(1; \{2, 17^2, 34\})$	277440
34	$\mathcal{O}(0; \{2^5, 17^2, 34\})$	240
34	$\mathcal{O}(0; \{2^3, 17, 34^3\})$	3856
34	$\mathcal{O}(0; \{2, 34^5\})$	61680
35	$\mathcal{O}(0; \{5^2, 7^2, 35^2\})$	9672
36	$\mathcal{O}(1; \{4^2, 6^2\})$	4608
36	$\mathcal{O}(1; \{3, 4, 6, 12\})$	4608
36	$\mathcal{O}(1; \{3^2, 12^2\})$	13824
36	$\mathcal{O}(1; \{2, 6, 12^2\})$	4608
36	$\mathcal{O}(1; \{2, 4, 18, 36\})$	15552
36	$\mathcal{O}(0; \{2^2, 4^2, 9^3\})$	36
36	$\mathcal{O}(0; \{4, 6, 9^3, 12\})$	144
36	$\mathcal{O}(0; \{3, 9^3, 12^2\})$	288
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 9, 18\})$	48
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 9, 18\})$	24
36	$\mathcal{O}(0; \{2^2, 3, 4, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{4, 6^2, 9, 12, 18\})$	96
36	$\mathcal{O}(0; \{2^3, 9, 12^2, 18\})$	48
36	$\mathcal{O}(0; \{4^2, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{3, 6, 9, 12^2, 18\})$	192
36	$\mathcal{O}(0; \{4^2, 9^2, 18^2\})$	324
36	$\mathcal{O}(0; \{4^2, 6, 18^3\})$	72
36	$\mathcal{O}(0; \{3, 4, 12, 18^3\})$	144

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 12^2, 18^3\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{4, 6^2, 9^2, 36\})$	144
36	$\mathcal{O}(0; \{2^3, 9^2, 12, 36\})$	72
36	$\mathcal{O}(0; \{4^2, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{3, 6, 9^2, 12, 36\})$	288
36	$\mathcal{O}(0; \{2^5, 4, 18, 36\})$	12
36	$\mathcal{O}(0; \{2, 3^3, 4, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 4^3, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 3, 4, 6, 18, 36\})$	48
36	$\mathcal{O}(0; \{4, 6^3, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 3^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^3, 6, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{4^2, 6, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3, 6^2, 12, 18, 36\})$	192
36	$\mathcal{O}(0; \{3, 4, 12^2, 18, 36\})$	384
36	$\mathcal{O}(0; \{2, 12^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{3, 4, 9, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{2, 9, 12, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{2^2, 3^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2^3, 6, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{4^2, 6, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 6^2, 9, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4, 9, 12, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 9, 12^2, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 9^2, 18, 36^2\})$	1620
36	$\mathcal{O}(0; \{3^2, 18^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{2, 6, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^3, 4, 36^3\})$	144
36	$\mathcal{O}(0; \{4^3, 36^3\})$	576
36	$\mathcal{O}(0; \{3, 4, 6, 36^3\})$	576
36	$\mathcal{O}(0; \{3^2, 12, 36^3\})$	1152
36	$\mathcal{O}(0; \{2, 6, 12, 36^3\})$	576
38	$\mathcal{O}(2; \{2^2\})$	2085120
38	$\mathcal{O}(1; \{2^6\})$	1440
39	$\mathcal{O}(1; \{39^3\})$	401544
39	$\mathcal{O}(0; \{3^3, 39^3\})$	2904
40	$\mathcal{O}(1; \{10, 40^2\})$	76800
40	$\mathcal{O}(0; \{2^3, 5^2, 8^2\})$	16
40	$\mathcal{O}(0; \{4^2, 5^2, 8^2\})$	64
40	$\mathcal{O}(0; \{2, 5, 8^2, 10^2\})$	48
40	$\mathcal{O}(0; \{2, 4, 8^2, 10, 20\})$	64
40	$\mathcal{O}(0; \{2, 5^2, 8, 10, 40\})$	208

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2, 4, 5, 8, 20, 40\})$	192
40	$\mathcal{O}(0; \{2, 5^3, 40^2\})$	816
40	$\mathcal{O}(0; \{2^4, 10, 40^2\})$	48
40	$\mathcal{O}(0; \{2, 4^2, 10, 40^2\})$	192
40	$\mathcal{O}(0; \{2^2, 20^2, 40^2\})$	832
40	$\mathcal{O}(0; \{20, 40^4\})$	26112
42	$\mathcal{O}(1; \{2^2, 7^2\})$	9408
42	$\mathcal{O}(1; \{7, 14^2\})$	47040
42	$\mathcal{O}(1; \{6, 14, 21\})$	21168
42	$\mathcal{O}(0; \{2^2, 3^3, 7^2\})$	12
42	$\mathcal{O}(0; \{2^3, 3, 6, 7^2\})$	12
42	$\mathcal{O}(0; \{3^2, 6^2, 7^2\})$	36
42	$\mathcal{O}(0; \{2, 6^3, 7^2\})$	12
42	$\mathcal{O}(0; \{3^3, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{2, 3, 6, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3^2, 14, 21\})$	12
42	$\mathcal{O}(0; \{2^4, 6, 14, 21\})$	12
42	$\mathcal{O}(0; \{3^3, 6, 14, 21\})$	60
42	$\mathcal{O}(0; \{2, 3, 6^2, 14, 21\})$	36
42	$\mathcal{O}(0; \{2^2, 7, 21^3\})$	372
42	$\mathcal{O}(0; \{14^2, 21^3\})$	2220
42	$\mathcal{O}(0; \{2, 3, 7^3, 42\})$	372
42	$\mathcal{O}(0; \{2^2, 7, 14, 21, 42\})$	372
42	$\mathcal{O}(0; \{14^3, 21, 42\})$	2220
42	$\mathcal{O}(0; \{2, 3^2, 21^2, 42\})$	300
42	$\mathcal{O}(0; \{2^2, 6, 21^2, 42\})$	180
42	$\mathcal{O}(0; \{2, 3^2, 14, 42^2\})$	180
42	$\mathcal{O}(0; \{2^2, 6, 14, 42^2\})$	60
42	$\mathcal{O}(0; \{7, 21^2, 42^2\})$	6660
42	$\mathcal{O}(0; \{7, 14, 42^3\})$	2220
42	$\mathcal{O}(0; \{6, 21, 42^3\})$	1860
44	$\mathcal{O}(0; \{2^2, 4, 11, 22, 44\})$	180
44	$\mathcal{O}(0; \{4, 22^3, 44\})$	1820
44	$\mathcal{O}(0; \{4, 11, 44^3\})$	7280
45	$\mathcal{O}(1; \{3, 15^2\})$	14400
45	$\mathcal{O}(0; \{9^3, 15^2\})$	288
45	$\mathcal{O}(0; \{5, 9, 15^2, 45\})$	1248
45	$\mathcal{O}(0; \{5, 9^2, 45^2\})$	1944
45	$\mathcal{O}(0; \{5^2, 45^3\})$	3672
45	$\mathcal{O}(0; \{3, 15, 45^3\})$	3744
48	$\mathcal{O}(1; \{2, 16^2\})$	16384
48	$\mathcal{O}(0; \{2, 3^3, 16^2\})$	16
48	$\mathcal{O}(0; \{2^2, 3, 6, 16^2\})$	16

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{6^3, 16^2\})$	16
48	$\mathcal{O}(0; \{4, 6, 12, 16^2\})$	64
48	$\mathcal{O}(0; \{3, 12^2, 16^2\})$	64
48	$\mathcal{O}(0; \{3, 8, 16^2, 24\})$	256
48	$\mathcal{O}(0; \{4, 6, 8, 16, 48\})$	128
48	$\mathcal{O}(0; \{3, 8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{2^3, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{4^2, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{3, 6, 16, 24, 48\})$	192
48	$\mathcal{O}(0; \{2^2, 3, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{4, 6^2, 48^2\})$	96
48	$\mathcal{O}(0; \{3, 8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{2^3, 12, 48^2\})$	32
48	$\mathcal{O}(0; \{4^2, 12, 48^2\})$	128
48	$\mathcal{O}(0; \{3, 6, 12, 48^2\})$	160
48	$\mathcal{O}(0; \{2, 24^2, 48^2\})$	768
48	$\mathcal{O}(0; \{2, 16, 48^3\})$	1024
50	$\mathcal{O}(0; \{2, 10, 25^3\})$	1200
51	$\mathcal{O}(0; \{3^2, 17, 51^2\})$	1440
52	$\mathcal{O}(0; \{2^3, 4, 26, 52\})$	24
52	$\mathcal{O}(0; \{4^3, 26, 52\})$	96
52	$\mathcal{O}(0; \{2, 4, 52^3\})$	1056
54	$\mathcal{O}(0; \{2^3, 3, 27, 54\})$	36
54	$\mathcal{O}(0; \{3^2, 6, 27, 54\})$	144
54	$\mathcal{O}(0; \{2, 6^2, 27, 54\})$	72
54	$\mathcal{O}(0; \{2, 3, 54^3\})$	324
56	$\mathcal{O}(0; \{2, 7, 8^2, 14\})$	24
56	$\mathcal{O}(0; \{2, 4, 8, 14, 56\})$	48
57	$\mathcal{O}(2; \emptyset)$	10425600
57	$\mathcal{O}(1; \{3^3\})$	6480
58	$\mathcal{O}(1; \{58^2\})$	94192
58	$\mathcal{O}(0; \{2^4, 58^2\})$	28
59	$\mathcal{O}(0; \{59^4\})$	191806
60	$\mathcal{O}(1; \{20^2\})$	25600
60	$\mathcal{O}(0; \{3, 4^2, 5, 15\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 12, 15\})$	16
60	$\mathcal{O}(0; \{3^3, 20^2\})$	16
60	$\mathcal{O}(0; \{2, 3, 6, 20^2\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 15, 30\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 20, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 15, 60^2\})$	48
60	$\mathcal{O}(0; \{30^2, 60^2\})$	624

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{20, 60^3\})$	832
63	$\mathcal{O}(0; \{9, 21, 63^2\})$	1080
63	$\mathcal{O}(0; \{7, 63^3\})$	3348
64	$\mathcal{O}(0; \{8, 16, 64^2\})$	1024
65	$\mathcal{O}(0; \{5, 65^3\})$	6864
66	$\mathcal{O}(0; \{6, 22, 33^2\})$	180
66	$\mathcal{O}(0; \{2, 3^2, 11, 66\})$	20
66	$\mathcal{O}(0; \{2^2, 6, 11, 66\})$	20
66	$\mathcal{O}(0; \{6, 22^2, 66\})$	180
68	$\mathcal{O}(0; \{2^2, 4, 17, 68\})$	32
68	$\mathcal{O}(0; \{4, 34^2, 68\})$	480
70	$\mathcal{O}(0; \{2^2, 5, 7, 35\})$	24
70	$\mathcal{O}(0; \{7, 10^2, 35\})$	72
70	$\mathcal{O}(0; \{5, 14^2, 35\})$	120
70	$\mathcal{O}(0; \{5, 7, 70^2\})$	360
72	$\mathcal{O}(0; \{8^2, 9, 18\})$	24
72	$\mathcal{O}(0; \{6, 8, 9, 72\})$	48
72	$\mathcal{O}(0; \{4, 9, 24, 72\})$	96
72	$\mathcal{O}(0; \{4, 8, 36, 72\})$	96
72	$\mathcal{O}(0; \{3, 24, 36, 72\})$	192
72	$\mathcal{O}(0; \{3, 18, 72^2\})$	144
75	$\mathcal{O}(0; \{3, 15, 25^2\})$	160
76	$\mathcal{O}(1; \{4^2\})$	11520
78	$\mathcal{O}(0; \{2^3, 39, 78\})$	24
78	$\mathcal{O}(0; \{3, 6, 39, 78\})$	72
78	$\mathcal{O}(0; \{2, 78^3\})$	264
80	$\mathcal{O}(0; \{2, 20, 80^2\})$	192
84	$\mathcal{O}(0; \{3, 4, 28, 42\})$	24
84	$\mathcal{O}(0; \{2, 12, 28, 42\})$	24
84	$\mathcal{O}(0; \{3, 4, 21, 84\})$	24
84	$\mathcal{O}(0; \{2, 12, 21, 84\})$	24
87	$\mathcal{O}(0; \{3^2, 87^2\})$	168
90	$\mathcal{O}(0; \{2, 9, 10, 45\})$	24
90	$\mathcal{O}(0; \{2, 5, 45, 90\})$	72
102	$\mathcal{O}(0; \{2, 3, 34, 51\})$	32
114	$\mathcal{O}(1; \{2^2\})$	11520
116	$\mathcal{O}(0; \{2^2, 116^2\})$	56
117	$\mathcal{O}(0; \{117^3\})$	2376
118	$\mathcal{O}(0; \{2^2, 59^2\})$	58
118	$\mathcal{O}(0; \{59, 118^2\})$	3306
120	$\mathcal{O}(0; \{40, 60, 120\})$	192
120	$\mathcal{O}(0; \{30, 120^2\})$	96
126	$\mathcal{O}(0; \{18, 42, 63\})$	72

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Table 8 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
126	$\mathcal{O}(0; \{14, 63, 126\})$	180
130	$\mathcal{O}(0; \{10, 65, 130\})$	144
132	$\mathcal{O}(0; \{12, 33, 44\})$	40
132	$\mathcal{O}(0; \{12, 22, 132\})$	40
136	$\mathcal{O}(0; \{8, 34, 136\})$	64
145	$\mathcal{O}(0; \{5, 145^2\})$	336
156	$\mathcal{O}(0; \{4, 78, 156\})$	48
174	$\mathcal{O}(0; \{3, 174^2\})$	56
177	$\mathcal{O}(0; \{3, 59, 177\})$	116
232	$\mathcal{O}(0; \{2, 232^2\})$	112
234	$\mathcal{O}(0; \{2, 117, 234\})$	72

Table 9: 59-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(59; \emptyset)$	1
2	$\mathcal{O}(30; \emptyset)$	1152921504606846975
2	$\mathcal{O}(29; \{2^4\})$	288230376151711744
2	$\mathcal{O}(28; \{2^8\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{12}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{16}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{20}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{24}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{28}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{32}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{36}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{40}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{44}\})$	274877906944
2	$\mathcal{O}(18; \{2^{48}\})$	68719476736
2	$\mathcal{O}(17; \{2^{52}\})$	17179869184
2	$\mathcal{O}(16; \{2^{56}\})$	4294967296
2	$\mathcal{O}(15; \{2^{60}\})$	1073741824
2	$\mathcal{O}(14; \{2^{64}\})$	268435456
2	$\mathcal{O}(13; \{2^{68}\})$	67108864
2	$\mathcal{O}(12; \{2^{72}\})$	16777216
2	$\mathcal{O}(11; \{2^{76}\})$	4194304
2	$\mathcal{O}(10; \{2^{80}\})$	1048576
2	$\mathcal{O}(9; \{2^{84}\})$	262144
2	$\mathcal{O}(8; \{2^{88}\})$	65536
2	$\mathcal{O}(7; \{2^{92}\})$	16384

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(6; \{2^{96}\})$	4096
2	$\mathcal{O}(5; \{2^{100}\})$	1024
2	$\mathcal{O}(4; \{2^{104}\})$	256
2	$\mathcal{O}(3; \{2^{108}\})$	64
2	$\mathcal{O}(2; \{2^{112}\})$	16
2	$\mathcal{O}(1; \{2^{116}\})$	4
2	$\mathcal{O}(0; \{2^{120}\})$	1
3	$\mathcal{O}(19; \{3^4\})$	8105110306037952534
3	$\mathcal{O}(18; \{3^7\})$	6303974682473963082
3	$\mathcal{O}(17; \{3^{10}\})$	5703596141285966598
3	$\mathcal{O}(16; \{3^{13}\})$	5058745115565525930
3	$\mathcal{O}(15; \{3^{16}\})$	4497897671739702054
3	$\mathcal{O}(14; \{3^{19}\})$	3997994003013894282
3	$\mathcal{O}(13; \{3^{22}\})$	3553787698318431558
3	$\mathcal{O}(12; \{3^{25}\})$	3158920703928053610
3	$\mathcal{O}(11; \{3^{28}\})$	2807929702889071974
3	$\mathcal{O}(10; \{3^{31}\})$	2495937492758468682
3	$\mathcal{O}(9; \{3^{34}\})$	2218611106998717318
3	$\mathcal{O}(8; \{3^{37}\})$	1972098761518357290
3	$\mathcal{O}(7; \{3^{40}\})$	1752976676933904294
3	$\mathcal{O}(6; \{3^{43}\})$	1558201490604726282
3	$\mathcal{O}(5; \{3^{46}\})$	1385067991648999878
3	$\mathcal{O}(4; \{3^{49}\})$	1231171548132404970
3	$\mathcal{O}(3; \{3^{52}\})$	1094374709451031014
3	$\mathcal{O}(2; \{3^{55}\})$	972777519512027082
3	$\mathcal{O}(1; \{3^{58}\})$	864691128455135238
3	$\mathcal{O}(0; \{3^{61}\})$	768614336404564650
4	$\mathcal{O}(15; \{2^2\})$	1152921503533105152
4	$\mathcal{O}(14; \{2^6\})$	72057593769492480
4	$\mathcal{O}(14; \{2^3, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{4^4\})$	576460752303423488
4	$\mathcal{O}(13; \{2^{10}\})$	4503599560261632
4	$\mathcal{O}(13; \{2^7, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^4, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2, 4^6\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{14}\})$	281474959933440
4	$\mathcal{O}(12; \{2^{11}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^8, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^5, 4^6\})$	9007199254740992
4	$\mathcal{O}(12; \{2^2, 4^8\})$	36028797018963968
4	$\mathcal{O}(11; \{2^{18}\})$	17592181850112
4	$\mathcal{O}(11; \{2^{15}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{12}, 4^4\})$	140737488355328

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(11; \{2^9, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^6, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^3, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{4^{12}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{22}\})$	1099510579200
4	$\mathcal{O}(10; \{2^{19}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{16}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{13}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{10}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^7, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^4, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{26}\})$	68719214592
4	$\mathcal{O}(9; \{2^{23}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{20}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{17}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{14}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{11}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^8, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^5, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^2, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(8; \{2^{30}\})$	4294901760
4	$\mathcal{O}(8; \{2^{27}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{24}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{21}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{18}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{15}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{12}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^9, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^6, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^3, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{4^{20}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{34}\})$	268419072
4	$\mathcal{O}(7; \{2^{31}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{28}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{25}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{22}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{19}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{16}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{13}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{10}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^7, 4^{18}\})$	35184372088832
4	$\mathcal{O}(7; \{2^4, 4^{20}\})$	140737488355328

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2, 4^{22}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{38}\})$	16773120
4	$\mathcal{O}(6; \{2^{35}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{32}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{29}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{26}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{23}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{20}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{17}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{14}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{11}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^8, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^5, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^2, 4^{24}\})$	140737488355328
4	$\mathcal{O}(5; \{2^{42}\})$	1047552
4	$\mathcal{O}(5; \{2^{39}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{36}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{33}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{30}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{27}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{24}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{21}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{18}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{15}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{12}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^9, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^6, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^3, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{4^{28}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{46}\})$	65280
4	$\mathcal{O}(4; \{2^{43}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{40}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{37}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{34}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{31}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{28}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{25}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{22}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{19}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{16}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{13}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{10}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^7, 4^{26}\})$	2199023255552

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^4, 4^{28}\})$	8796093022208
4	$\mathcal{O}(4; \{2, 4^{30}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{50}\})$	4032
4	$\mathcal{O}(3; \{2^{47}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{44}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{41}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{38}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{35}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{32}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{29}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{26}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{23}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{20}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{17}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{14}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{11}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^8, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^5, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^2, 4^{32}\})$	8796093022208
4	$\mathcal{O}(2; \{2^{54}\})$	240
4	$\mathcal{O}(2; \{2^{51}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{48}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{45}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{42}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{39}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{36}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{33}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{30}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{27}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{24}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{21}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{18}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{15}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{12}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^9, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^6, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^3, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{4^{36}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{58}\})$	12
4	$\mathcal{O}(1; \{2^{55}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{52}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{49}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{46}, 4^8\})$	2048

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{43}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{40}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{37}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{34}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{31}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{28}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{25}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{22}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{19}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{16}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{13}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{10}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^7, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^4, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2, 4^{38}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{59}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{56}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{53}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{50}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{47}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{44}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{41}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{38}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{35}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{32}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{29}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{26}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{23}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{20}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{17}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{14}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{11}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^8, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^5, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^2, 4^{40}\})$	549755813888
5	$\mathcal{O}(11; \{5^4\})$	123977661132812500
5	$\mathcal{O}(9; \{5^9\})$	199996948242187500
5	$\mathcal{O}(7; \{5^{14}\})$	327680004882812500
5	$\mathcal{O}(5; \{5^{19}\})$	536870911992187500
5	$\mathcal{O}(3; \{5^{24}\})$	879609302220812500
5	$\mathcal{O}(1; \{5^{29}\})$	1441151880758558700
6	$\mathcal{O}(10; \{3^2\})$	7312309906557150
6	$\mathcal{O}(9; \{2^4, 3^2\})$	203119913336832

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{3^5\})$	1015595692479270
6	$\mathcal{O}(9; \{2, 3^3, 6\})$	609359740010496
6	$\mathcal{O}(9; \{2^2, 3, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{6^4\})$	609359740010496
6	$\mathcal{O}(8; \{2^8, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^4, 3^5\})$	28211099074560
6	$\mathcal{O}(8; \{3^8\})$	242611750023210
6	$\mathcal{O}(8; \{2^5, 3^3, 6\})$	16926659444736
6	$\mathcal{O}(8; \{2, 3^6, 6\})$	118486616113152
6	$\mathcal{O}(8; \{2^6, 3, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^2, 3^4, 6^2\})$	62064417964032
6	$\mathcal{O}(8; \{2^3, 3^2, 6^3\})$	28211099074560
6	$\mathcal{O}(8; \{2^4, 6^4\})$	16926659444736
6	$\mathcal{O}(8; \{3^3, 6^4\})$	118486616113152
6	$\mathcal{O}(8; \{2, 3, 6^5\})$	62064417964032
6	$\mathcal{O}(7; \{2^{12}, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^8, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^4, 3^8\})$	6739318112256
6	$\mathcal{O}(7; \{3^{11}\})$	53441097928614
6	$\mathcal{O}(7; \{2^9, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^5, 3^6, 6\})$	3291294892032
6	$\mathcal{O}(7; \{2, 3^9, 6\})$	26800544120832
6	$\mathcal{O}(7; \{2^{10}, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^6, 3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2^2, 3^7, 6^2\})$	13321907896320
6	$\mathcal{O}(7; \{2^7, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^3, 3^5, 6^3\})$	6739318112256
6	$\mathcal{O}(7; \{2^8, 6^4\})$	470184984576
6	$\mathcal{O}(7; \{2^4, 3^3, 6^4\})$	3291294892032
6	$\mathcal{O}(7; \{3^6, 6^4\})$	26800544120832
6	$\mathcal{O}(7; \{2^5, 3, 6^5\})$	1724011610112
6	$\mathcal{O}(7; \{2, 3^4, 6^5\})$	13321907896320
6	$\mathcal{O}(7; \{2^2, 3^2, 6^6\})$	6739318112256
6	$\mathcal{O}(7; \{2^3, 6^7\})$	3291294892032
6	$\mathcal{O}(7; \{3, 6^8\})$	13321907896320
6	$\mathcal{O}(6; \{2^{16}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{12}, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^8, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{2^4, 3^{11}\})$	1484565553152
6	$\mathcal{O}(6; \{3^{14}\})$	11886682388490
6	$\mathcal{O}(6; \{2^{13}, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^9, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^5, 3^9, 6\})$	744459558912

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2, 3^{12}, 6\})$	5942615777280
6	$\mathcal{O}(6; \{2^{14}, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{10}, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^6, 3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^2, 3^{10}, 6^2\})$	2973484670976
6	$\mathcal{O}(6; \{2^{11}, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^7, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2^3, 3^8, 6^3\})$	148456553152
6	$\mathcal{O}(6; \{2^{12}, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^8, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^4, 3^6, 6^4\})$	744459558912
6	$\mathcal{O}(6; \{3^9, 6^4\})$	5942615777280
6	$\mathcal{O}(6; \{2^9, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{2^5, 3^4, 6^5\})$	370052997120
6	$\mathcal{O}(6; \{2, 3^7, 6^5\})$	2973484670976
6	$\mathcal{O}(6; \{2^6, 3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3^5, 6^6\})$	148456553152
6	$\mathcal{O}(6; \{2^7, 6^7\})$	91424858112
6	$\mathcal{O}(6; \{2^3, 3^3, 6^7\})$	744459558912
6	$\mathcal{O}(6; \{2^4, 3, 6^8\})$	370052997120
6	$\mathcal{O}(6; \{3^4, 6^8\})$	2973484670976
6	$\mathcal{O}(6; \{2, 3^2, 6^9\})$	148456553152
6	$\mathcal{O}(6; \{2^2, 6^{10}\})$	744459558912
6	$\mathcal{O}(5; \{2^{20}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{16}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^{12}, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^8, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^4, 3^{14}\})$	330266253312
6	$\mathcal{O}(5; \{3^{17}\})$	2639187378630
6	$\mathcal{O}(5; \{2^{17}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^{13}, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^9, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^5, 3^{12}, 6\})$	165072660480
6	$\mathcal{O}(5; \{2, 3^{15}, 6\})$	1320944080896
6	$\mathcal{O}(5; \{2^{18}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{14}, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^{10}, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^6, 3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^2, 3^{13}, 6^2\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^{11}, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^7, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^3, 3^{11}, 6^3\})$	330266253312

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{16}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^{12}, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^8, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^4, 3^9, 6^4\})$	165072660480
6	$\mathcal{O}(5; \{3^{12}, 6^4\})$	1320944080896
6	$\mathcal{O}(5; \{2^{13}, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^9, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 3^7, 6^5\})$	82596796416
6	$\mathcal{O}(5; \{2, 3^{10}, 6^5\})$	660411574272
6	$\mathcal{O}(5; \{2^{10}, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^8, 6^6\})$	330266253312
6	$\mathcal{O}(5; \{2^{11}, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^6, 6^7\})$	165072660480
6	$\mathcal{O}(5; \{2^8, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^4, 6^8\})$	82596796416
6	$\mathcal{O}(5; \{3^7, 6^8\})$	660411574272
6	$\mathcal{O}(5; \{2^5, 3^2, 6^9\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^5, 6^9\})$	330266253312
6	$\mathcal{O}(5; \{2^6, 6^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3^3, 6^{10}\})$	165072660480
6	$\mathcal{O}(5; \{2^3, 3, 6^{11}\})$	82596796416
6	$\mathcal{O}(5; \{3^2, 6^{12}\})$	330266253312
6	$\mathcal{O}(5; \{2, 6^{13}\})$	165072660480
6	$\mathcal{O}(4; \{2^{24}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{20}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{16}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^{12}, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^8, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^4, 3^{17}\})$	73382423040
6	$\mathcal{O}(4; \{3^{20}\})$	584776221930
6	$\mathcal{O}(4; \{2^{21}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{17}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^{13}, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^9, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^5, 3^{15}, 6\})$	36692891136
6	$\mathcal{O}(4; \{2, 3^{18}, 6\})$	293533051392
6	$\mathcal{O}(4; \{2^{22}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{18}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^{14}, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^{10}, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^6, 3^{13}, 6^2\})$	18344765952

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^2, 3^{16}, 6^2\})$	146768205312
6	$\mathcal{O}(4; \{2^{19}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^{15}, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^{11}, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^7, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^3, 3^{14}, 6^3\})$	73382423040
6	$\mathcal{O}(4; \{2^{20}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{16}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^{12}, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^8, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 3^{12}, 6^4\})$	36692891136
6	$\mathcal{O}(4; \{3^{15}, 6^4\})$	293533051392
6	$\mathcal{O}(4; \{2^{17}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^{13}, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^9, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^5, 3^{10}, 6^5\})$	18344765952
6	$\mathcal{O}(4; \{2, 3^{13}, 6^5\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^{10}, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3^{11}, 6^6\})$	73382423040
6	$\mathcal{O}(4; \{2^{15}, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3^9, 6^7\})$	36692891136
6	$\mathcal{O}(4; \{2^{12}, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^8, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^7, 6^8\})$	18344765952
6	$\mathcal{O}(4; \{3^{10}, 6^8\})$	146768205312
6	$\mathcal{O}(4; \{2^9, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^5, 6^9\})$	9174062592
6	$\mathcal{O}(4; \{2, 3^8, 6^9\})$	73382423040
6	$\mathcal{O}(4; \{2^{10}, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^6, 6^{10}\})$	36692891136
6	$\mathcal{O}(4; \{2^7, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^4, 6^{11}\})$	18344765952
6	$\mathcal{O}(4; \{2^4, 3^2, 6^{12}\})$	9174062592
6	$\mathcal{O}(4; \{3^5, 6^{12}\})$	73382423040
6	$\mathcal{O}(4; \{2^5, 6^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2, 3^3, 6^{13}\})$	36692891136
6	$\mathcal{O}(4; \{2^2, 3, 6^{14}\})$	18344765952
6	$\mathcal{O}(4; \{6^{16}\})$	36692891136

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{28}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{24}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{20}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{16}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^{12}, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^8, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^4, 3^{20}\})$	16307485056
6	$\mathcal{O}(3; \{3^{23}\})$	128421169254
6	$\mathcal{O}(3; \{2^{25}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{21}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{17}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^{13}, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^9, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^5, 3^{18}, 6\})$	8153695872
6	$\mathcal{O}(3; \{2, 3^{21}, 6\})$	65229846912
6	$\mathcal{O}(3; \{2^{26}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{22}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{18}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^{14}, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^{10}, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^6, 3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^2, 3^{19}, 6^2\})$	32614876800
6	$\mathcal{O}(3; \{2^{23}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{19}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^{15}, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^{11}, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^7, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^3, 3^{17}, 6^3\})$	16307485056
6	$\mathcal{O}(3; \{2^{24}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{20}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{16}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^{12}, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^8, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^4, 3^{15}, 6^4\})$	8153695872
6	$\mathcal{O}(3; \{3^{18}, 6^4\})$	65229846912
6	$\mathcal{O}(3; \{2^{21}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{17}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^{13}, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^9, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^5, 3^{13}, 6^5\})$	4076894592
6	$\mathcal{O}(3; \{2, 3^{16}, 6^5\})$	32614876800
6	$\mathcal{O}(3; \{2^{18}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^{14}, 3^5, 6^6\})$	31819392

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{10}, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^{14}, 6^6\})$	16307485056
6	$\mathcal{O}(3; \{2^{19}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^9, 6^7\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6^7\})$	8153695872
6	$\mathcal{O}(3; \{2^{16}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^8\})$	4076894592
6	$\mathcal{O}(3; \{3^{13}, 6^8\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^8, 6^9\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^{11}, 6^9\})$	16307485056
6	$\mathcal{O}(3; \{2^{14}, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^9, 6^{10}\})$	8153695872
6	$\mathcal{O}(3; \{2^{11}, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^7, 6^{11}\})$	4076894592
6	$\mathcal{O}(3; \{2^8, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^5, 6^{12}\})$	2038400640
6	$\mathcal{O}(3; \{3^8, 6^{12}\})$	16307485056
6	$\mathcal{O}(3; \{2^9, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^5, 3^3, 6^{13}\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^6, 6^{13}\})$	8153695872
6	$\mathcal{O}(3; \{2^6, 3, 6^{14}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^4, 6^{14}\})$	4076894592
6	$\mathcal{O}(3; \{2^3, 3^2, 6^{15}\})$	2038400640
6	$\mathcal{O}(3; \{2^4, 6^{16}\})$	1019246976
6	$\mathcal{O}(3; \{3^3, 6^{16}\})$	8153695872
6	$\mathcal{O}(3; \{2, 3, 6^{17}\})$	4076894592
6	$\mathcal{O}(2; \{2^{32}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{28}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{24}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{20}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{16}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^{12}, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^8, 3^{20}\})$	452985696

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^4, 3^{23}\})$	3623877792
6	$\mathcal{O}(2; \{3^{26}\})$	27179090730
6	$\mathcal{O}(2; \{2^{29}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{25}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{21}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{17}, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^{13}, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2^9, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2^5, 3^{21}, 6\})$	1811940192
6	$\mathcal{O}(2; \{2, 3^{24}, 6\})$	14495513760
6	$\mathcal{O}(2; \{2^{30}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{26}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{22}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{18}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^{14}, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^{10}, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^6, 3^{19}, 6^2\})$	905968800
6	$\mathcal{O}(2; \{2^2, 3^{22}, 6^2\})$	7247758176
6	$\mathcal{O}(2; \{2^{27}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{23}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{19}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^{15}, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^{11}, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^7, 3^{17}, 6^3\})$	452985696
6	$\mathcal{O}(2; \{2^3, 3^{20}, 6^3\})$	3623877792
6	$\mathcal{O}(2; \{2^{28}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{24}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{20}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^{16}, 3^9, 6^4\})$	3538080
6	$\mathcal{O}(2; \{2^{12}, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{2^8, 3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{2^4, 3^{18}, 6^4\})$	1811940192
6	$\mathcal{O}(2; \{3^{21}, 6^4\})$	14495513760
6	$\mathcal{O}(2; \{2^{25}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{21}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^{17}, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^{13}, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2^9, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2^5, 3^{16}, 6^5\})$	905968800
6	$\mathcal{O}(2; \{2, 3^{19}, 6^5\})$	7247758176
6	$\mathcal{O}(2; \{2^{22}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{18}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^{14}, 3^8, 6^6\})$	7078752

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{10}, 3^{11}, 6^6\})$	56622240
6	$\mathcal{O}(2; \{2^6, 3^{14}, 6^6\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3^{17}, 6^6\})$	3623877792
6	$\mathcal{O}(2; \{2^{23}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{19}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^{15}, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^{11}, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3^{12}, 6^7\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3^{15}, 6^7\})$	1811940192
6	$\mathcal{O}(2; \{2^{20}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^{16}, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{2^8, 3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3^{13}, 6^8\})$	905968800
6	$\mathcal{O}(2; \{3^{16}, 6^8\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^{13}, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^9, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^5, 3^{11}, 6^9\})$	452985696
6	$\mathcal{O}(2; \{2, 3^{14}, 6^9\})$	3623877792
6	$\mathcal{O}(2; \{2^{18}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{14}, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{12}, 6^{10}\})$	1811940192
6	$\mathcal{O}(2; \{2^{15}, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^{11}, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^{10}, 6^{11}\})$	905968800
6	$\mathcal{O}(2; \{2^{12}, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^8, 6^{12}\})$	452985696
6	$\mathcal{O}(2; \{3^{11}, 6^{12}\})$	3623877792
6	$\mathcal{O}(2; \{2^{13}, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^9, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^6, 6^{13}\})$	226491552
6	$\mathcal{O}(2; \{2, 3^9, 6^{13}\})$	1811940192
6	$\mathcal{O}(2; \{2^{10}, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^7, 6^{14}\})$	905968800
6	$\mathcal{O}(2; \{2^7, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^5, 6^{15}\})$	452985696
6	$\mathcal{O}(2; \{2^8, 6^{16}\})$	28312416

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{16}\})$	226491552
6	$\mathcal{O}(2; \{3^6, 6^{16}\})$	1811940192
6	$\mathcal{O}(2; \{2^5, 3, 6^{17}\})$	113247072
6	$\mathcal{O}(2; \{2, 3^4, 6^{17}\})$	905968800
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{18}\})$	452985696
6	$\mathcal{O}(2; \{2^3, 6^{19}\})$	226491552
6	$\mathcal{O}(2; \{3, 6^{20}\})$	905968800
6	$\mathcal{O}(1; \{2^{36}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{32}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{28}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{24}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{20}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{16}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^{12}, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^8, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^4, 3^{26}\})$	805306392
6	$\mathcal{O}(1; \{3^{29}\})$	4831838190
6	$\mathcal{O}(1; \{2^{33}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{29}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{25}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{21}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{17}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^{13}, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^9, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^5, 3^{24}, 6\})$	402653160
6	$\mathcal{O}(1; \{2, 3^{27}, 6\})$	3221225496
6	$\mathcal{O}(1; \{2^{34}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{30}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{26}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{22}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{18}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^{14}, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^{10}, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^6, 3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{2^2, 3^{25}, 6^2\})$	1610612712
6	$\mathcal{O}(1; \{2^{31}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{27}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{23}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{19}, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^{15}, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2^{11}, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^7, 3^{20}, 6^3\})$	100663272
6	$\mathcal{O}(1; \{2^3, 3^{23}, 6^3\})$	805306392

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{32}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{28}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{24}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{20}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^{16}, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^{12}, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^8, 3^{18}, 6^4\})$	50331672
6	$\mathcal{O}(1; \{2^4, 3^{21}, 6^4\})$	402653160
6	$\mathcal{O}(1; \{3^{24}, 6^4\})$	3221225496
6	$\mathcal{O}(1; \{2^{29}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{25}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{21}, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^{17}, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^{13}, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^9, 3^{16}, 6^5\})$	25165800
6	$\mathcal{O}(1; \{2^5, 3^{19}, 6^5\})$	201326616
6	$\mathcal{O}(1; \{2, 3^{22}, 6^5\})$	1610612712
6	$\mathcal{O}(1; \{2^{26}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{22}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^{18}, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^{14}, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{2^{10}, 3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^{17}, 6^6\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^{20}, 6^6\})$	805306392
6	$\mathcal{O}(1; \{2^{27}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{23}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^{19}, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^{15}, 6^7\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^{18}, 6^7\})$	402653160
6	$\mathcal{O}(1; \{2^{24}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{20}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{13}, 6^8\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{16}, 6^8\})$	201326616
6	$\mathcal{O}(1; \{3^{19}, 6^8\})$	1610612712
6	$\mathcal{O}(1; \{2^{21}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^{11}, 6^9\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{14}, 6^9\})$	100663272

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2, 3^{17}, 6^9\})$	805306392
6	$\mathcal{O}(1; \{2^{22}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{18}, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{12}, 6^{10}\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{15}, 6^{10}\})$	402653160
6	$\mathcal{O}(1; \{2^{19}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^{11}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^{12}\})$	100663272
6	$\mathcal{O}(1; \{3^{14}, 6^{12}\})$	805306392
6	$\mathcal{O}(1; \{2^{17}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^9, 6^{13}\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{12}, 6^{13}\})$	402653160
6	$\mathcal{O}(1; \{2^{14}, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^{14}\})$	201326616
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^8, 6^{15}\})$	100663272
6	$\mathcal{O}(1; \{2^{12}, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{16}\})$	50331672
6	$\mathcal{O}(1; \{3^9, 6^{16}\})$	402653160
6	$\mathcal{O}(1; \{2^9, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{17}\})$	25165800
6	$\mathcal{O}(1; \{2, 3^7, 6^{17}\})$	201326616
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{18}\})$	100663272
6	$\mathcal{O}(1; \{2^7, 6^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{19}\})$	50331672
6	$\mathcal{O}(1; \{2^4, 3, 6^{20}\})$	25165800
6	$\mathcal{O}(1; \{3^4, 6^{20}\})$	201326616
6	$\mathcal{O}(1; \{2, 3^2, 6^{21}\})$	100663272

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^2, 6^{22}\})$	50331672
6	$\mathcal{O}(0; \{2^{40}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{36}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{32}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{28}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{24}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{20}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{16}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{12}, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^8, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^4, 3^{29}\})$	178956970
6	$\mathcal{O}(0; \{2^{37}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{33}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{29}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{25}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{21}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{17}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^{13}, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^9, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^5, 3^{27}, 6\})$	89478486
6	$\mathcal{O}(0; \{2, 3^{30}, 6\})$	715827882
6	$\mathcal{O}(0; \{2^{38}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{34}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{30}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{26}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{22}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{18}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^{14}, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^{10}, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^6, 3^{25}, 6^2\})$	44739242
6	$\mathcal{O}(0; \{2^2, 3^{28}, 6^2\})$	357913942
6	$\mathcal{O}(0; \{2^{35}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{31}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{27}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{23}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{19}, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^{15}, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^{11}, 3^{20}, 6^3\})$	2796202
6	$\mathcal{O}(0; \{2^7, 3^{23}, 6^3\})$	22369622
6	$\mathcal{O}(0; \{2^3, 3^{26}, 6^3\})$	178956970
6	$\mathcal{O}(0; \{2^{36}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{32}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{28}, 3^6, 6^4\})$	342

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{24}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{20}, 3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{16}, 3^{15}, 6^4\})$	174762
6	$\mathcal{O}(0; \{2^{12}, 3^{18}, 6^4\})$	1398102
6	$\mathcal{O}(0; \{2^8, 3^{21}, 6^4\})$	11184810
6	$\mathcal{O}(0; \{2^4, 3^{24}, 6^4\})$	89478486
6	$\mathcal{O}(0; \{3^{27}, 6^4\})$	715827882
6	$\mathcal{O}(0; \{2^{33}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^{29}, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^{25}, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^{21}, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{17}, 3^{13}, 6^5\})$	87382
6	$\mathcal{O}(0; \{2^{13}, 3^{16}, 6^5\})$	699050
6	$\mathcal{O}(0; \{2^9, 3^{19}, 6^5\})$	5592406
6	$\mathcal{O}(0; \{2^5, 3^{22}, 6^5\})$	44739242
6	$\mathcal{O}(0; \{2, 3^{25}, 6^5\})$	357913942
6	$\mathcal{O}(0; \{2^{30}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^{26}, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^{22}, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{18}, 3^{11}, 6^6\})$	43690
6	$\mathcal{O}(0; \{2^{14}, 3^{14}, 6^6\})$	349526
6	$\mathcal{O}(0; \{2^{10}, 3^{17}, 6^6\})$	2796202
6	$\mathcal{O}(0; \{2^6, 3^{20}, 6^6\})$	22369622
6	$\mathcal{O}(0; \{2^2, 3^{23}, 6^6\})$	178956970
6	$\mathcal{O}(0; \{2^{31}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^{27}, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^{23}, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^{19}, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^{15}, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2^{11}, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^7, 3^{18}, 6^7\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3^{21}, 6^7\})$	89478486
6	$\mathcal{O}(0; \{2^{28}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{24}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{16}, 6^8\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{19}, 6^8\})$	44739242
6	$\mathcal{O}(0; \{3^{22}, 6^8\})$	357913942
6	$\mathcal{O}(0; \{2^{25}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^8, 6^9\})$	43690

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^9, 3^{14}, 6^9\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{17}, 6^9\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{20}, 6^9\})$	178956970
6	$\mathcal{O}(0; \{2^{26}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{22}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{15}, 6^{10}\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{18}, 6^{10}\})$	89478486
6	$\mathcal{O}(0; \{2^{23}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{19}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{13}, 6^{11}\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{16}, 6^{11}\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{14}, 6^{12}\})$	22369622
6	$\mathcal{O}(0; \{3^{17}, 6^{12}\})$	178956970
6	$\mathcal{O}(0; \{2^{21}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6^{13}\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{15}, 6^{13}\})$	89478486
6	$\mathcal{O}(0; \{2^{18}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^{14}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^{14}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^8, 6^{15}\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^{15}\})$	22369622
6	$\mathcal{O}(0; \{2^{16}, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^9, 6^{16}\})$	11184810
6	$\mathcal{O}(0; \{3^{12}, 6^{16}\})$	89478486

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2^9, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^7, 6^{17}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^{10}, 6^{17}\})$	44739242
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^5, 6^{18}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^8, 6^{18}\})$	22369622
6	$\mathcal{O}(0; \{2^{11}, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{19}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{19}\})$	11184810
6	$\mathcal{O}(0; \{2^8, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{20}\})$	5592406
6	$\mathcal{O}(0; \{3^7, 6^{20}\})$	44739242
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{21}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^5, 6^{21}\})$	22369622
6	$\mathcal{O}(0; \{2^6, 6^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{22}\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3, 6^{23}\})$	5592406
6	$\mathcal{O}(0; \{3^2, 6^{24}\})$	22369622
6	$\mathcal{O}(0; \{2, 6^{25}\})$	11184810
7	$\mathcal{O}(8; \{7^3\})$	996987917088030
7	$\mathcal{O}(5; \{7^{10}\})$	2440028545218474
7	$\mathcal{O}(2; \{7^{17}\})$	5805844189542390
8	$\mathcal{O}(7; \{2^2, 4^2\})$	8795556151296
8	$\mathcal{O}(7; \{4, 8^2\})$	35184372088832
8	$\mathcal{O}(6; \{2^6, 4^2\})$	137405399040
8	$\mathcal{O}(6; \{2^3, 4^4\})$	549621596160
8	$\mathcal{O}(6; \{4^6\})$	2198486384640
8	$\mathcal{O}(6; \{2^4, 4, 8^2\})$	549755813888
8	$\mathcal{O}(6; \{2, 4^3, 8^2\})$	2199023255552
8	$\mathcal{O}(6; \{2^2, 8^4\})$	4398046511104
8	$\mathcal{O}(5; \{2^{10}, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^7, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^4, 4^6\})$	34326183936
8	$\mathcal{O}(5; \{2, 4^8\})$	137304735744
8	$\mathcal{O}(5; \{2^8, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{2^5, 4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2^2, 4^5, 8^2\})$	137438953472
8	$\mathcal{O}(5; \{2^6, 8^4\})$	68719476736
8	$\mathcal{O}(5; \{2^3, 4^2, 8^4\})$	274877906944
8	$\mathcal{O}(5; \{4^4, 8^4\})$	1099511627776
8	$\mathcal{O}(5; \{2, 4, 8^6\})$	2199023255552
8	$\mathcal{O}(4; \{2^{14}, 4^2\})$	33423360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(4; \{2^{11}, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^8, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^5, 4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^2, 4^{10}\})$	8556380160
8	$\mathcal{O}(4; \{2^{12}, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^9, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^6, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^3, 4^7, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{4^9, 8^2\})$	34359738368
8	$\mathcal{O}(4; \{2^{10}, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^7, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{2^4, 4^4, 8^4\})$	17179869184
8	$\mathcal{O}(4; \{2, 4^6, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^5, 4, 8^6\})$	34359738368
8	$\mathcal{O}(4; \{2^2, 4^3, 8^6\})$	137438953472
8	$\mathcal{O}(4; \{2^3, 8^8\})$	274877906944
8	$\mathcal{O}(4; \{4^2, 8^8\})$	1099511627776
8	$\mathcal{O}(3; \{2^{18}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{15}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^{12}, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^9, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^6, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^3, 4^{12}\})$	528482304
8	$\mathcal{O}(3; \{4^{14}\})$	2113929216
8	$\mathcal{O}(3; \{2^{16}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^{13}, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^{10}, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^7, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^4, 4^9, 8^2\})$	536870912
8	$\mathcal{O}(3; \{2, 4^{11}, 8^2\})$	2147483648
8	$\mathcal{O}(3; \{2^{14}, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^{11}, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^8, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^5, 4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^2, 4^8, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^9, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2^6, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^3, 4^5, 8^6\})$	8589934592
8	$\mathcal{O}(3; \{4^7, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^7, 8^8\})$	4294967296
8	$\mathcal{O}(3; \{2^4, 4^2, 8^8\})$	17179869184
8	$\mathcal{O}(3; \{2, 4^4, 8^8\})$	68719476736
8	$\mathcal{O}(3; \{2^2, 4, 8^{10}\})$	137438953472

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{8^{12}\})$	1099511627776
8	$\mathcal{O}(2; \{2^{22}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{19}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{16}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^{13}, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^{10}, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^7, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^4, 4^{14}\})$	31457280
8	$\mathcal{O}(2; \{2, 4^{16}\})$	125829120
8	$\mathcal{O}(2; \{2^{20}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{17}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^{14}, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^{11}, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^8, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^5, 4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^2, 4^{13}, 8^2\})$	134217728
8	$\mathcal{O}(2; \{2^{18}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{15}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^{12}, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^9, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^6, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^3, 4^{10}, 8^4\})$	268435456
8	$\mathcal{O}(2; \{4^{12}, 8^4\})$	1073741824
8	$\mathcal{O}(2; \{2^{13}, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^{10}, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^7, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^4, 4^7, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2, 4^9, 8^6\})$	2147483648
8	$\mathcal{O}(2; \{2^{11}, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^8, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{2^5, 4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2^2, 4^6, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^6, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(2; \{2^3, 4^3, 8^{10}\})$	8589934592
8	$\mathcal{O}(2; \{4^5, 8^{10}\})$	34359738368
8	$\mathcal{O}(2; \{2^4, 8^{12}\})$	17179869184
8	$\mathcal{O}(2; \{2, 4^2, 8^{12}\})$	68719476736
8	$\mathcal{O}(1; \{2^{26}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{23}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{20}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{17}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^{14}, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^{11}, 4^{12}\})$	98304

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^8, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^5, 4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^2, 4^{18}\})$	6291456
8	$\mathcal{O}(1; \{2^{24}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{21}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{18}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{15}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{12}, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^9, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^6, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^3, 4^{15}, 8^2\})$	8388608
8	$\mathcal{O}(1; \{4^{17}, 8^2\})$	33554432
8	$\mathcal{O}(1; \{2^{22}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{19}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{16}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^{13}, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{10}, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^7, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^4, 4^{12}, 8^4\})$	16777216
8	$\mathcal{O}(1; \{2, 4^{14}, 8^4\})$	67108864
8	$\mathcal{O}(1; \{2^{17}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^{14}, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^{11}, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^8, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^5, 4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^2, 4^{11}, 8^6\})$	134217728
8	$\mathcal{O}(1; \{2^{15}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^{12}, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^9, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^6, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^3, 4^8, 8^8\})$	268435456
8	$\mathcal{O}(1; \{4^{10}, 8^8\})$	1073741824
8	$\mathcal{O}(1; \{2^{10}, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^7, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^4, 4^5, 8^{10}\})$	536870912
8	$\mathcal{O}(1; \{2, 4^7, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^8, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{2^5, 4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(1; \{2^2, 4^4, 8^{12}\})$	4294967296
8	$\mathcal{O}(1; \{2^3, 4, 8^{14}\})$	8589934592
8	$\mathcal{O}(1; \{4^3, 8^{14}\})$	34359738368
8	$\mathcal{O}(1; \{2, 8^{16}\})$	68719476736
8	$\mathcal{O}(0; \{2^{28}, 4, 8^2\})$	8

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{25}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{22}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{19}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{16}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{13}, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^{10}, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^7, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^4, 4^{17}, 8^2\})$	524288
8	$\mathcal{O}(0; \{2, 4^{19}, 8^2\})$	2097152
8	$\mathcal{O}(0; \{2^{26}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{23}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{20}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{17}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^{14}, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{11}, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^8, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^5, 4^{14}, 8^4\})$	1048576
8	$\mathcal{O}(0; \{2^2, 4^{16}, 8^4\})$	4194304
8	$\mathcal{O}(0; \{2^{21}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{18}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{15}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^{12}, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^9, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^6, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^3, 4^{13}, 8^6\})$	8388608
8	$\mathcal{O}(0; \{4^{15}, 8^6\})$	33554432
8	$\mathcal{O}(0; \{2^{19}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{16}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^{13}, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^{10}, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^7, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^4, 4^{10}, 8^8\})$	16777216
8	$\mathcal{O}(0; \{2, 4^{12}, 8^8\})$	67108864
8	$\mathcal{O}(0; \{2^{14}, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^{11}, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^8, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^5, 4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^2, 4^9, 8^{10}\})$	134217728
8	$\mathcal{O}(0; \{2^{12}, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^9, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2^6, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^3, 4^6, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{4^8, 8^{12}\})$	1073741824

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^7, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{2^4, 4^3, 8^{14}\})$	536870912
8	$\mathcal{O}(0; \{2, 4^5, 8^{14}\})$	2147483648
8	$\mathcal{O}(0; \{2^5, 8^{16}\})$	1073741824
8	$\mathcal{O}(0; \{2^2, 4^2, 8^{16}\})$	4294967296
8	$\mathcal{O}(0; \{4, 8^{18}\})$	34359738368
9	$\mathcal{O}(5; \{3^2, 9^4\})$	2259436291848
9	$\mathcal{O}(4; \{3^5, 9^4\})$	223154201664
9	$\mathcal{O}(4; \{3, 9^7\})$	2636009007156
9	$\mathcal{O}(3; \{3^8, 9^4\})$	22039921152
9	$\mathcal{O}(3; \{3^4, 9^7\})$	260346568608
9	$\mathcal{O}(3; \{9^{10}\})$	3577440795426
9	$\mathcal{O}(2; \{3^{11}, 9^4\})$	2176782336
9	$\mathcal{O}(2; \{3^7, 9^7\})$	25713241344
9	$\mathcal{O}(2; \{3^3, 9^{10}\})$	353327485968
9	$\mathcal{O}(1; \{3^{14}, 9^4\})$	214990848
9	$\mathcal{O}(1; \{3^{10}, 9^7\})$	2539579392
9	$\mathcal{O}(1; \{3^6, 9^{10}\})$	34896541824
9	$\mathcal{O}(1; \{3^2, 9^{13}\})$	470070193320
9	$\mathcal{O}(0; \{3^{17}, 9^4\})$	21233664
9	$\mathcal{O}(0; \{3^{13}, 9^7\})$	250822656
9	$\mathcal{O}(0; \{3^9, 9^{10}\})$	3446572032
9	$\mathcal{O}(0; \{3^5, 9^{13}\})$	46426685760
9	$\mathcal{O}(0; \{3, 9^{16}\})$	626932444644
10	$\mathcal{O}(6; \{5^2\})$	3999023437500
10	$\mathcal{O}(5; \{2^4, 5^2\})$	4000000000
10	$\mathcal{O}(5; \{2^2, 5, 10^2\})$	12000000000
10	$\mathcal{O}(5; \{10^4\})$	52000000000
10	$\mathcal{O}(4; \{2^8, 5^2\})$	40000000
10	$\mathcal{O}(4; \{5^7\})$	326320312500
10	$\mathcal{O}(4; \{2^3, 5^4, 10\})$	2040000000
10	$\mathcal{O}(4; \{2^6, 5, 10^2\})$	120000000
10	$\mathcal{O}(4; \{2, 5^3, 10^3\})$	8200000000
10	$\mathcal{O}(4; \{2^4, 10^4\})$	520000000
10	$\mathcal{O}(3; \{2^{12}, 5^2\})$	4000000
10	$\mathcal{O}(3; \{2^4, 5^7\})$	3276000000
10	$\mathcal{O}(3; \{2^7, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^{10}, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{2^2, 5^6, 10^2\})$	13108000000
10	$\mathcal{O}(3; \{2^5, 5^3, 10^3\})$	820000000
10	$\mathcal{O}(3; \{2^8, 10^4\})$	52000000
10	$\mathcal{O}(3; \{5^5, 10^4\})$	52428000000
10	$\mathcal{O}(3; \{2^3, 5^2, 10^5\})$	3276000000

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2, 5, 10^7\})$	13108000000
10	$\mathcal{O}(2; \{2^{16}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^8, 5^7\})$	32760000
10	$\mathcal{O}(2; \{5^{12}\})$	31457287500
10	$\mathcal{O}(2; \{2^{11}, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2^3, 5^9, 10\})$	2097160000
10	$\mathcal{O}(2; \{2^{14}, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{2^6, 5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2, 5^8, 10^3\})$	8388600000
10	$\mathcal{O}(2; \{2^{12}, 10^4\})$	520000
10	$\mathcal{O}(2; \{2^4, 5^5, 10^4\})$	524280000
10	$\mathcal{O}(2; \{2^7, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(2; \{2^2, 5^4, 10^6\})$	2097160000
10	$\mathcal{O}(2; \{2^5, 5, 10^7\})$	131080000
10	$\mathcal{O}(2; \{5^3, 10^8\})$	8388600000
10	$\mathcal{O}(2; \{2^3, 10^9\})$	524280000
10	$\mathcal{O}(1; \{2^{20}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^{12}, 5^7\})$	327600
10	$\mathcal{O}(1; \{2^4, 5^{12}\})$	335544400
10	$\mathcal{O}(1; \{2^{15}, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^7, 5^9, 10\})$	20971600
10	$\mathcal{O}(1; \{2^{18}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^{10}, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{2^2, 5^{11}, 10^2\})$	1342177200
10	$\mathcal{O}(1; \{2^{13}, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^5, 5^8, 10^3\})$	83886000
10	$\mathcal{O}(1; \{2^{16}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^8, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{5^{10}, 10^4\})$	5368709200
10	$\mathcal{O}(1; \{2^{11}, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{2^3, 5^7, 10^5\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^9, 5, 10^7\})$	1310800
10	$\mathcal{O}(1; \{2, 5^6, 10^7\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5^3, 10^8\})$	83886000
10	$\mathcal{O}(1; \{2^7, 10^9\})$	5242800
10	$\mathcal{O}(1; \{2^2, 5^2, 10^{10}\})$	335544400
10	$\mathcal{O}(1; \{5, 10^{12}\})$	1342177200
10	$\mathcal{O}(0; \{2^{24}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{16}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^8, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{19}, 5^4, 10\})$	204

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{11}, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2^3, 5^{14}, 10\})$	214748364
10	$\mathcal{O}(0; \{2^{22}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^{14}, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^6, 5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^{17}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^9, 5^8, 10^3\})$	838860
10	$\mathcal{O}(0; \{2, 5^{13}, 10^3\})$	858993460
10	$\mathcal{O}(0; \{2^{20}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^{12}, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^4, 5^{10}, 10^4\})$	53687092
10	$\mathcal{O}(0; \{2^{15}, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2^7, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^9, 10^6\})$	214748364
10	$\mathcal{O}(0; \{2^{13}, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^6, 10^7\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5^3, 10^8\})$	838860
10	$\mathcal{O}(0; \{5^8, 10^8\})$	858993460
10	$\mathcal{O}(0; \{2^{11}, 10^9\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^5, 10^9\})$	53687092
10	$\mathcal{O}(0; \{2^6, 5^2, 10^{10}\})$	3355444
10	$\mathcal{O}(0; \{2, 5^4, 10^{11}\})$	214748364
10	$\mathcal{O}(0; \{2^4, 5, 10^{12}\})$	13421772
10	$\mathcal{O}(0; \{2^2, 10^{14}\})$	53687092
11	$\mathcal{O}(4; \{11^5\})$	1948522228290
12	$\mathcal{O}(5; \{6^2\})$	123713796096
12	$\mathcal{O}(4; \{2^2, 3^4\})$	2569812480
12	$\mathcal{O}(4; \{2^3, 3^2, 6\})$	856604160
12	$\mathcal{O}(4; \{3^2, 4^2, 6\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 6^2\})$	856604160
12	$\mathcal{O}(4; \{3^3, 6^2\})$	4283020800
12	$\mathcal{O}(4; \{2, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2, 3, 6^3\})$	2569812480
12	$\mathcal{O}(4; \{3^3, 4, 12\})$	5159780352
12	$\mathcal{O}(4; \{2, 3, 4, 6, 12\})$	1719926784
12	$\mathcal{O}(4; \{2, 3^2, 12^2\})$	5159780352
12	$\mathcal{O}(4; \{2^2, 6, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{12^4\})$	20639121408
12	$\mathcal{O}(3; \{2^6, 3^4\})$	17635968
12	$\mathcal{O}(3; \{2^2, 3^7\})$	123451776
12	$\mathcal{O}(3; \{2^3, 3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{3^4, 4^4\})$	143327232

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^7, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{2^3, 3^5, 6\})$	64665216
12	$\mathcal{O}(3; \{2^4, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{3^5, 4^2, 6\})$	131383296
12	$\mathcal{O}(3; \{2, 3^2, 4^4, 6\})$	47775744
12	$\mathcal{O}(3; \{2^8, 6^2\})$	5878656
12	$\mathcal{O}(3; \{2^4, 3^3, 6^2\})$	29393280
12	$\mathcal{O}(3; \{3^6, 6^2\})$	252782208
12	$\mathcal{O}(3; \{2^5, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 6^2\})$	59719680
12	$\mathcal{O}(3; \{2^2, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2^5, 3, 6^3\})$	17635968
12	$\mathcal{O}(3; \{2, 3^4, 6^3\})$	123451776
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6^3\})$	35831808
12	$\mathcal{O}(3; \{2^2, 3^2, 6^4\})$	64665216
12	$\mathcal{O}(3; \{2^3, 6^5\})$	29393280
12	$\mathcal{O}(3; \{4^2, 6^5\})$	59719680
12	$\mathcal{O}(3; \{3, 6^6\})$	123451776
12	$\mathcal{O}(3; \{2^4, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{3^6, 4, 12\})$	250822656
12	$\mathcal{O}(3; \{2, 3^3, 4^3, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3^4, 4, 6, 12\})$	131383296
12	$\mathcal{O}(3; \{2^2, 3, 4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 6^2, 12\})$	59719680
12	$\mathcal{O}(3; \{2^3, 4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{4^3, 6^3, 12\})$	143327232
12	$\mathcal{O}(3; \{3, 4, 6^4, 12\})$	131383296
12	$\mathcal{O}(3; \{2^5, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2, 3^5, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^6, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^3, 6, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{4^4, 6, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{3, 4^2, 6^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{3^2, 6^3, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2, 6^4, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{3, 4^3, 12^3\})$	573308928
12	$\mathcal{O}(3; \{3^2, 4, 6, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2, 4, 6^2, 12^3\})$	238878720

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{2^4, 12^4\})$	143327232
12	$\mathcal{O}(3; \{3^3, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2, 4^2, 12^4\})$	573308928
12	$\mathcal{O}(3; \{2, 3, 6, 12^4\})$	525533184
12	$\mathcal{O}(2; \{2^{10}, 3^4\})$	116640
12	$\mathcal{O}(2; \{2^6, 3^7\})$	816480
12	$\mathcal{O}(2; \{2^2, 3^{10}\})$	6648480
12	$\mathcal{O}(2; \{2^7, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{3^7, 4^4\})$	6967296
12	$\mathcal{O}(2; \{2, 3^4, 4^6\})$	3981312
12	$\mathcal{O}(2; \{2^{11}, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2^7, 3^5, 6\})$	427680
12	$\mathcal{O}(2; \{2^3, 3^8, 6\})$	3304800
12	$\mathcal{O}(2; \{2^8, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{3^8, 4^2, 6\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2, 3^5, 4^4, 6\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3^2, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^{12}, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^8, 3^3, 6^2\})$	194400
12	$\mathcal{O}(2; \{2^4, 3^6, 6^2\})$	1671840
12	$\mathcal{O}(2; \{3^9, 6^2\})$	13258080
12	$\mathcal{O}(2; \{2^9, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 6^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 6^2\})$	1658880
12	$\mathcal{O}(2; \{2^3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{4^8, 6^2\})$	5308416
12	$\mathcal{O}(2; \{2^9, 3, 6^3\})$	116640
12	$\mathcal{O}(2; \{2^5, 3^4, 6^3\})$	816480
12	$\mathcal{O}(2; \{2, 3^7, 6^3\})$	6648480
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6^3\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6^3\})$	995328
12	$\mathcal{O}(2; \{3, 4^6, 6^3\})$	3981312
12	$\mathcal{O}(2; \{2^6, 3^2, 6^4\})$	427680
12	$\mathcal{O}(2; \{2^2, 3^5, 6^4\})$	3304800
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^4\})$	912384
12	$\mathcal{O}(2; \{3^2, 4^4, 6^4\})$	3649536

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 6^5\})$	194400
12	$\mathcal{O}(2; \{2^3, 3^3, 6^5\})$	1671840
12	$\mathcal{O}(2; \{2^4, 4^2, 6^5\})$	414720
12	$\mathcal{O}(2; \{3^3, 4^2, 6^5\})$	3566592
12	$\mathcal{O}(2; \{2, 4^4, 6^5\})$	1658880
12	$\mathcal{O}(2; \{2^4, 3, 6^6\})$	816480
12	$\mathcal{O}(2; \{3^4, 6^6\})$	6648480
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^6\})$	1741824
12	$\mathcal{O}(2; \{2, 3^2, 6^7\})$	3304800
12	$\mathcal{O}(2; \{2^2, 6^8\})$	1671840
12	$\mathcal{O}(2; \{2^8, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2^4, 3^6, 4, 12\})$	1741824
12	$\mathcal{O}(2; \{3^9, 4, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2, 3^6, 4^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^3, 4^5, 12\})$	3981312
12	$\mathcal{O}(2; \{2^9, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2, 3^7, 4, 6, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^4, 4^3, 6, 12\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{3, 4^7, 6, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 6^2, 12\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 6^2, 12\})$	1658880
12	$\mathcal{O}(2; \{3^2, 4^5, 6^2, 12\})$	6635520
12	$\mathcal{O}(2; \{2^7, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6^3, 12\})$	1741824
12	$\mathcal{O}(2; \{2^4, 4^3, 6^3, 12\})$	995328
12	$\mathcal{O}(2; \{3^3, 4^3, 6^3, 12\})$	6967296
12	$\mathcal{O}(2; \{2, 4^5, 6^3, 12\})$	3981312
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^4, 12\})$	912384
12	$\mathcal{O}(2; \{3^4, 4, 6^4, 12\})$	7050240
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^4, 12\})$	3649536
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^5, 12\})$	3566592
12	$\mathcal{O}(2; \{2^2, 4, 6^6, 12\})$	1741824
12	$\mathcal{O}(2; \{2^9, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^5, 3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3^8, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4, 12^2\})$	3981312

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^2, 4^6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^{10}, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3^6, 6, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^4, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{3^3, 4^4, 6, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2, 4^6, 6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^4, 4^2, 6^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^2, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{3^5, 6^3, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^3, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^5, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2, 3^3, 6^4, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^2, 4^2, 6^4, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3, 6^5, 12^2\})$	3566592
12	$\mathcal{O}(2; \{6^7, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^7, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{3^4, 4^3, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2, 3, 4^5, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{3^5, 4, 6, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2^5, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^2, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^2, 4^3, 6^2, 12^3\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^3, 12^3\})$	6967296
12	$\mathcal{O}(2; \{4, 6^5, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^8, 12^4\})$	995328
12	$\mathcal{O}(2; \{2^4, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3^6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2^5, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^2, 4^4, 12^4\})$	15925248
12	$\mathcal{O}(2; \{2^5, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2, 3^4, 6, 12^4\})$	28200960

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^3, 6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{4^2, 6^3, 12^4\})$	27869184
12	$\mathcal{O}(2; \{3, 6^4, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 12^5\})$	27869184
12	$\mathcal{O}(2; \{2^3, 4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{4^3, 6, 12^5\})$	58392576
12	$\mathcal{O}(2; \{3, 4, 6^2, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^3, 3, 12^6\})$	27869184
12	$\mathcal{O}(2; \{3, 4^2, 12^6\})$	111476736
12	$\mathcal{O}(2; \{3^2, 6, 12^6\})$	112803840
12	$\mathcal{O}(2; \{2, 6^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2, 4, 12^7\})$	111476736
12	$\mathcal{O}(1; \{2^{14}, 3^4\})$	648
12	$\mathcal{O}(1; \{2^{10}, 3^7\})$	4536
12	$\mathcal{O}(1; \{2^6, 3^{10}\})$	36936
12	$\mathcal{O}(1; \{2^2, 3^{13}\})$	294840
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{3^{10}, 4^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2, 3^7, 4^6\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^4, 4^8\})$	110592
12	$\mathcal{O}(1; \{2^{15}, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^{11}, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2^7, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2^3, 3^{11}, 6\})$	147528
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^8, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{3^{11}, 4^2, 6\})$	393408
12	$\mathcal{O}(1; \{2^9, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2, 3^8, 4^4, 6\})$	195840
12	$\mathcal{O}(1; \{2^6, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^5, 4^6, 6\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^2, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{3^2, 4^{10}, 6\})$	147456
12	$\mathcal{O}(1; \{2^{16}, 6^2\})$	216

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^{12}, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^8, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{2^4, 3^9, 6^2\})$	73656
12	$\mathcal{O}(1; \{3^{12}, 6^2\})$	589896
12	$\mathcal{O}(1; \{2^{13}, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 6^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 6^2\})$	99072
12	$\mathcal{O}(1; \{2^7, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 6^2\})$	46080
12	$\mathcal{O}(1; \{2^4, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^8, 6^2\})$	184320
12	$\mathcal{O}(1; \{2, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^{13}, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{2^9, 3^4, 6^3\})$	4536
12	$\mathcal{O}(1; \{2^5, 3^7, 6^3\})$	36936
12	$\mathcal{O}(1; \{2, 3^{10}, 6^3\})$	294840
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6^3\})$	98496
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6^3\})$	48384
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6^3\})$	27648
12	$\mathcal{O}(1; \{3^4, 4^6, 6^3\})$	193536
12	$\mathcal{O}(1; \{2, 3, 4^8, 6^3\})$	110592
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{2^6, 3^5, 6^4\})$	18360
12	$\mathcal{O}(1; \{2^2, 3^8, 6^4\})$	147528
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^4\})$	48960
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^4\})$	25344
12	$\mathcal{O}(1; \{3^5, 4^4, 6^4\})$	195840
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^4\})$	101376
12	$\mathcal{O}(1; \{2^{11}, 6^5\})$	1080
12	$\mathcal{O}(1; \{2^7, 3^3, 6^5\})$	9288
12	$\mathcal{O}(1; \{2^3, 3^6, 6^5\})$	73656
12	$\mathcal{O}(1; \{2^8, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^5\})$	24768
12	$\mathcal{O}(1; \{3^6, 4^2, 6^5\})$	196416
12	$\mathcal{O}(1; \{2^5, 4^4, 6^5\})$	11520

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^5\})$	99072
12	$\mathcal{O}(1; \{2^2, 4^6, 6^5\})$	46080
12	$\mathcal{O}(1; \{2^8, 3, 6^6\})$	4536
12	$\mathcal{O}(1; \{2^4, 3^4, 6^6\})$	36936
12	$\mathcal{O}(1; \{3^7, 6^6\})$	294840
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^6\})$	12096
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^6\})$	98496
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^6\})$	48384
12	$\mathcal{O}(1; \{2^5, 3^2, 6^7\})$	18360
12	$\mathcal{O}(1; \{2, 3^5, 6^7\})$	147528
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^7\})$	48960
12	$\mathcal{O}(1; \{2^6, 6^8\})$	9288
12	$\mathcal{O}(1; \{2^2, 3^3, 6^8\})$	73656
12	$\mathcal{O}(1; \{2^3, 4^2, 6^8\})$	24768
12	$\mathcal{O}(1; \{4^4, 6^8\})$	99072
12	$\mathcal{O}(1; \{2^3, 3, 6^9\})$	36936
12	$\mathcal{O}(1; \{3, 4^2, 6^9\})$	98496
12	$\mathcal{O}(1; \{3^2, 6^{10}\})$	147528
12	$\mathcal{O}(1; \{2, 6^{11}\})$	73656
12	$\mathcal{O}(1; \{2^{12}, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^8, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^9, 4, 12\})$	98496
12	$\mathcal{O}(1; \{3^{12}, 4, 12\})$	786240
12	$\mathcal{O}(1; \{2^9, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^6, 4^3, 12\})$	48384
12	$\mathcal{O}(1; \{2, 3^9, 4^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^6, 4^5, 12\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^3, 4^7, 12\})$	110592
12	$\mathcal{O}(1; \{3^3, 4^9, 12\})$	442368
12	$\mathcal{O}(1; \{2^{13}, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^9, 3^4, 4, 6, 12\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^7, 4, 6, 12\})$	48960
12	$\mathcal{O}(1; \{2, 3^{10}, 4, 6, 12\})$	393408
12	$\mathcal{O}(1; \{2^{10}, 3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^4, 4^3, 6, 12\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^7, 4^3, 6, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 3, 4^5, 6, 12\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^4, 4^5, 6, 12\})$	101376
12	$\mathcal{O}(1; \{2^4, 3, 4^7, 6, 12\})$	36864
12	$\mathcal{O}(1; \{3^4, 4^7, 6, 12\})$	405504
12	$\mathcal{O}(1; \{2, 3, 4^9, 6, 12\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 6^2, 12\})$	2880

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 6^2, 12\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 6^2, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 6^2, 12\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 6^2, 12\})$	99072
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 6^2, 12\})$	46080
12	$\mathcal{O}(1; \{3^5, 4^5, 6^2, 12\})$	396288
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 6^2, 12\})$	184320
12	$\mathcal{O}(1; \{2^{11}, 4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6^3, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6^3, 12\})$	98496
12	$\mathcal{O}(1; \{2^8, 4^3, 6^3, 12\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6^3, 12\})$	48384
12	$\mathcal{O}(1; \{3^6, 4^3, 6^3, 12\})$	393984
12	$\mathcal{O}(1; \{2^5, 4^5, 6^3, 12\})$	27648
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6^3, 12\})$	193536
12	$\mathcal{O}(1; \{2^2, 4^7, 6^3, 12\})$	110592
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^4, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^4, 12\})$	48960
12	$\mathcal{O}(1; \{3^7, 4, 6^4, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^4, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^4, 12\})$	195840
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^4, 12\})$	101376
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^5, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^5, 12\})$	196416
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^5, 12\})$	99072
12	$\mathcal{O}(1; \{2^6, 4, 6^6, 12\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^6, 12\})$	98496
12	$\mathcal{O}(1; \{2^3, 4^3, 6^6, 12\})$	48384
12	$\mathcal{O}(1; \{4^5, 6^6, 12\})$	193536
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^7, 12\})$	48960
12	$\mathcal{O}(1; \{3, 4^3, 6^7, 12\})$	195840
12	$\mathcal{O}(1; \{3^2, 4, 6^8, 12\})$	196416
12	$\mathcal{O}(1; \{2, 4, 6^9, 12\})$	98496
12	$\mathcal{O}(1; \{2^{13}, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^9, 3^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^5, 3^8, 12^2\})$	98496
12	$\mathcal{O}(1; \{2, 3^{11}, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6, 12^2\})$	110592

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^5, 4^6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2, 3^2, 4^8, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^{14}, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^6, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^2, 3^9, 6, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^{11}, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^8, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6, 12^2\})$	101376
12	$\mathcal{O}(1; \{3^6, 4^4, 6, 12^2\})$	783360
12	$\mathcal{O}(1; \{2^5, 4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^2, 4^8, 6, 12^2\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^7, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^3, 3^7, 6^2, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{3^7, 4^2, 6^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^2, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^2, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^8, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^5, 6^3, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^8, 6^3, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^3, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^3, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^9, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^6, 6^4, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^6, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^4, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^3, 4^4, 6^4, 12^2\})$	101376
12	$\mathcal{O}(1; \{4^6, 6^4, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^6, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^4, 6^5, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^5, 12^2\})$	99072
12	$\mathcal{O}(1; \{3, 4^4, 6^5, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^3, 3^2, 6^6, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^2, 4^2, 6^6, 12^2\})$	393984

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 6^7, 12^2\})$	48960
12	$\mathcal{O}(1; \{3^3, 6^7, 12^2\})$	393408
12	$\mathcal{O}(1; \{2, 4^2, 6^7, 12^2\})$	195840
12	$\mathcal{O}(1; \{2, 3, 6^8, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{11}, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^7, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^7, 4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^4, 3^4, 4^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{3^7, 4^3, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{2, 3^4, 4^5, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^2, 3, 4^7, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^8, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^5, 4, 6, 12^3\})$	195840
12	$\mathcal{O}(1; \{3^8, 4, 6, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{2, 3^5, 4^3, 6, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^2, 3^2, 4^5, 6, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^9, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 3^6, 4, 6^2, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^6, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 6^2, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^3, 4^5, 6^2, 12^3\})$	184320
12	$\mathcal{O}(1; \{4^7, 6^2, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^6, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6^3, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6^3, 12^3\})$	193536
12	$\mathcal{O}(1; \{3, 4^5, 6^3, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^4, 12^3\})$	195840
12	$\mathcal{O}(1; \{3^2, 4^3, 6^4, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^4, 4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{3^3, 4, 6^5, 12^3\})$	785664
12	$\mathcal{O}(1; \{2, 4^3, 6^5, 12^3\})$	396288
12	$\mathcal{O}(1; \{2, 3, 4, 6^6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^{12}, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^8, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{3^9, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^9, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 12^4\})$	1575936

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^3, 4^6, 12^4\})$	442368
12	$\mathcal{O}(1; \{4^8, 12^4\})$	1769472
12	$\mathcal{O}(1; \{2^9, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^5, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 3^7, 6, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^4, 4^2, 6, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^3, 3, 4^4, 6, 12^4\})$	405504
12	$\mathcal{O}(1; \{3, 4^6, 6, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^5, 6^2, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 6^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{3^2, 4^4, 6^2, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^7, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^3, 6^3, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^4, 4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{3^3, 4^2, 6^3, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2, 4^4, 6^3, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^4, 3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^4, 6^4, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^4, 12^4\})$	783360
12	$\mathcal{O}(1; \{2, 3^2, 6^5, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^2, 6^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^5, 4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3^2, 4^3, 12^5\})$	774144
12	$\mathcal{O}(1; \{3^2, 4^5, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^7, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 6, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^4, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{3^3, 4^3, 6, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2, 4^5, 6, 12^5\})$	1622016
12	$\mathcal{O}(1; \{2^4, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{3^4, 4, 6^2, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^2, 4, 6^4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2^7, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{3^4, 4^2, 12^6\})$	6303744

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^4, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{3^5, 6, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2^5, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2, 3^3, 6^2, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3, 6^3, 12^6\})$	1575936
12	$\mathcal{O}(1; \{6^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^5, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{2, 3^3, 4, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^2, 4^3, 12^7\})$	3096576
12	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12^7\})$	3133440
12	$\mathcal{O}(1; \{4, 6^3, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^2, 3^2, 12^8\})$	6303744
12	$\mathcal{O}(1; \{2^3, 6, 12^8\})$	3133440
12	$\mathcal{O}(1; \{4^2, 6, 12^8\})$	12533760
12	$\mathcal{O}(1; \{3, 6^2, 12^8\})$	12570624
12	$\mathcal{O}(1; \{3, 4, 12^9\})$	25214976
12	$\mathcal{O}(1; \{2, 12^{10}\})$	25214976
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^8, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{3^{13}, 4^4\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^5, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2, 3^{10}, 4^6\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^2, 3^7, 4^8\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{3^4, 4^{12}\})$	12288
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^8, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{3^{14}, 4^2, 6\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^9, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^5, 3^8, 4^4, 6\})$	1360

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^{11}, 4^4, 6\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^6, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2^2, 3^8, 4^6, 6\})$	5440
12	$\mathcal{O}(0; \{2^7, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^3, 3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{3^5, 4^{10}, 6\})$	11264
12	$\mathcal{O}(0; \{2, 3^2, 4^{12}, 6\})$	4096
12	$\mathcal{O}(0; \{2^{17}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 6^2\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 6^2\})$	5456
12	$\mathcal{O}(0; \{2^{11}, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^8, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 6^2\})$	1280
12	$\mathcal{O}(0; \{3^6, 4^8, 6^2\})$	11008
12	$\mathcal{O}(0; \{2^5, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 6^2\})$	5120
12	$\mathcal{O}(0; \{2^2, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6^3\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6^3\})$	2736
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6^3\})$	1344
12	$\mathcal{O}(0; \{3^7, 4^6, 6^3\})$	10944
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6^3\})$	768
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6^3\})$	5376
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6^3\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^4\})$	2732

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^4\})$	1360
12	$\mathcal{O}(0; \{3^8, 4^4, 6^4\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^4\})$	704
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^4\})$	2816
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^5\})$	1364
12	$\mathcal{O}(0; \{3^9, 4^2, 6^5\})$	10924
12	$\mathcal{O}(0; \{2^9, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^5\})$	688
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^5\})$	5456
12	$\mathcal{O}(0; \{2^6, 4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^5\})$	2752
12	$\mathcal{O}(0; \{2^3, 4^8, 6^5\})$	1280
12	$\mathcal{O}(0; \{4^{10}, 6^5\})$	5120
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^6\})$	684
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^6\})$	5460
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^6\})$	336
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^6\})$	2736
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^6\})$	1344
12	$\mathcal{O}(0; \{3, 4^8, 6^6\})$	5376
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^7\})$	340
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^7\})$	2732
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^7\})$	1360
12	$\mathcal{O}(0; \{3^2, 4^6, 6^7\})$	5440
12	$\mathcal{O}(0; \{2^7, 4^2, 6^8\})$	172
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^8\})$	1364
12	$\mathcal{O}(0; \{2^4, 4^4, 6^8\})$	688
12	$\mathcal{O}(0; \{3^3, 4^4, 6^8\})$	5456
12	$\mathcal{O}(0; \{2, 4^6, 6^8\})$	2752
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^9\})$	684
12	$\mathcal{O}(0; \{3^4, 4^2, 6^9\})$	5460
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^9\})$	2736
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^{10}\})$	2732
12	$\mathcal{O}(0; \{2^2, 4^2, 6^{11}\})$	1364
12	$\mathcal{O}(0; \{2^{16}, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^{12}, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^8, 3^9, 4, 12\})$	684
12	$\mathcal{O}(0; \{2^4, 3^{12}, 4, 12\})$	5460
12	$\mathcal{O}(0; \{3^{15}, 4, 12\})$	43692

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^9, 3^6, 4^3, 12\})$	336
12	$\mathcal{O}(0; \{2^5, 3^9, 4^3, 12\})$	2736
12	$\mathcal{O}(0; \{2, 3^{12}, 4^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^6, 3^6, 4^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^9, 4^5, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^3, 4^7, 12\})$	768
12	$\mathcal{O}(0; \{2^3, 3^6, 4^7, 12\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^3, 4^9, 12\})$	3072
12	$\mathcal{O}(0; \{3^6, 4^9, 12\})$	21504
12	$\mathcal{O}(0; \{2, 3^3, 4^{11}, 12\})$	12288
12	$\mathcal{O}(0; \{2^{17}, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^9, 3^7, 4, 6, 12\})$	340
12	$\mathcal{O}(0; \{2^5, 3^{10}, 4, 6, 12\})$	2732
12	$\mathcal{O}(0; \{2, 3^{13}, 4, 6, 12\})$	21844
12	$\mathcal{O}(0; \{2^{14}, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2^6, 3^7, 4^3, 6, 12\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^3, 6, 12\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 3^4, 4^5, 6, 12\})$	704
12	$\mathcal{O}(0; \{2^3, 3^7, 4^5, 6, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 3, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^4, 3^4, 4^7, 6, 12\})$	2816
12	$\mathcal{O}(0; \{3^7, 4^7, 6, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{2, 3^4, 4^9, 6, 12\})$	11264
12	$\mathcal{O}(0; \{2^2, 3, 4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 6^2, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 6^2, 12\})$	10924
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 6^2, 12\})$	688
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 6^2, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 6^2, 12\})$	320
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 6^2, 12\})$	2752
12	$\mathcal{O}(0; \{3^8, 4^5, 6^2, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 6^2, 12\})$	1280
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 6^2, 12\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 6^2, 12\})$	5120

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{15}, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6^3, 12\})$	684
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6^3, 12\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6^3, 12\})$	336
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6^3, 12\})$	2736
12	$\mathcal{O}(0; \{3^9, 4^3, 6^3, 12\})$	21840
12	$\mathcal{O}(0; \{2^9, 4^5, 6^3, 12\})$	192
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6^3, 12\})$	1344
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6^3, 12\})$	10944
12	$\mathcal{O}(0; \{2^6, 4^7, 6^3, 12\})$	768
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6^3, 12\})$	5376
12	$\mathcal{O}(0; \{2^3, 4^9, 6^3, 12\})$	3072
12	$\mathcal{O}(0; \{4^{11}, 6^3, 12\})$	12288
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^4, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^4, 12\})$	2732
12	$\mathcal{O}(0; \{3^{10}, 4, 6^4, 12\})$	21844
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^4, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^4, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^4, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^4, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^4, 12\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^4, 12\})$	2816
12	$\mathcal{O}(0; \{3, 4^9, 6^4, 12\})$	11264
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^5, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^5, 12\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{3^2, 4^7, 6^5, 12\})$	11008
12	$\mathcal{O}(0; \{2^{10}, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^6, 12\})$	5460
12	$\mathcal{O}(0; \{2^7, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2^4, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{3^3, 4^5, 6^6, 12\})$	10944
12	$\mathcal{O}(0; \{2, 4^7, 6^6, 12\})$	5376
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^7, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^7, 12\})$	2732

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{3^4, 4^3, 6^7, 12\})$	10928
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^7, 12\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{3^5, 4, 6^8, 12\})$	10924
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^8, 12\})$	5456
12	$\mathcal{O}(0; \{2^5, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^9, 12\})$	5460
12	$\mathcal{O}(0; \{2^2, 4^3, 6^9, 12\})$	2736
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^{10}, 12\})$	2732
12	$\mathcal{O}(0; \{4, 6^{12}, 12\})$	5460
12	$\mathcal{O}(0; \{2^{17}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{13}, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^9, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^5, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 3^{14}, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{3^8, 4^6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{2, 3^5, 4^8, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{18}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{10}, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^6, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^2, 3^{12}, 6, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{15}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^{12}, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{3^9, 4^4, 6, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^9, 4^6, 6, 12^2\})$	256

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2, 3^6, 4^6, 6, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^6, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8, 6, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^3, 4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{4^{12}, 6, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{11}, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^7, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6^2, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 6^2, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{3, 4^{10}, 6^2, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^8, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2^4, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{3^{11}, 6^3, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6^3, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6^3, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{3^2, 4^8, 6^3, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^{13}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^9, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^9, 6^4, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^4, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^7, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^4, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{3^3, 4^6, 6^4, 12^2\})$	21760

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^8, 6^4, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^{10}, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^7, 6^5, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^4, 4^4, 6^5, 12^2\})$	21824
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^5, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^5, 4^2, 6^6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^6, 6^7, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^5, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^7, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^2, 4^4, 6^7, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^5, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^4, 6^8, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^8, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^2, 6^9, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^3, 6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{4^2, 6^{10}, 12^2\})$	10928
12	$\mathcal{O}(0; \{3, 6^{11}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{3^{10}, 4^3, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 12^3\})$	5376
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 12^3\})$	12288
12	$\mathcal{O}(0; \{3, 4^{11}, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6, 12^3\})$	176

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6, 12^3\})$	10928
12	$\mathcal{O}(0; \{3^{11}, 4, 6, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6, 12^3\})$	5440
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6, 12^3\})$	11264
12	$\mathcal{O}(0; \{3^2, 4^9, 6, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^{13}, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^2, 12^3\})$	5456
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^2, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^2, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^7, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^2, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^4, 4^7, 6^2, 12^3\})$	5120
12	$\mathcal{O}(0; \{3^3, 4^7, 6^2, 12^3\})$	44032
12	$\mathcal{O}(0; \{2, 4^9, 6^2, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^3, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6^3, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6^3, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^4, 4^5, 6^3, 12^3\})$	43776
12	$\mathcal{O}(0; \{2, 3, 4^7, 6^3, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^4, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^4, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^5, 4^3, 6^4, 12^3\})$	43712
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^4, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^8, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^5, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^6, 4, 6^5, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^5, 4^3, 6^5, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^5, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^2, 4^5, 6^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^6, 12^3\})$	21840

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^6, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^7, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^3, 4, 6^8, 12^3\})$	5456
12	$\mathcal{O}(0; \{4^3, 6^8, 12^3\})$	21824
12	$\mathcal{O}(0; \{3, 4, 6^9, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{16}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^{12}, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^8, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^4, 3^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{3^{12}, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^{13}, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 12^4\})$	10944
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^{10}, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^7, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^4, 4^8, 12^4\})$	12288
12	$\mathcal{O}(0; \{3^3, 4^8, 12^4\})$	86016
12	$\mathcal{O}(0; \{2, 4^{10}, 12^4\})$	49152
12	$\mathcal{O}(0; \{2^{13}, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^9, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^5, 3^7, 6, 12^4\})$	10928
12	$\mathcal{O}(0; \{2, 3^{10}, 6, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6, 12^4\})$	11264
12	$\mathcal{O}(0; \{3^4, 4^6, 6, 12^4\})$	87040
12	$\mathcal{O}(0; \{2, 3, 4^8, 6, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^{10}, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2^6, 3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^8, 6^2, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^2, 12^4\})$	11008
12	$\mathcal{O}(0; \{3^5, 4^4, 6^2, 12^4\})$	87296
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 6^2, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^{11}, 6^3, 12^4\})$	336

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^7, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^6, 6^3, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^8, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6^3, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^6, 4^2, 6^3, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^5, 4^4, 6^3, 12^4\})$	5376
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6^3, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^2, 4^6, 6^3, 12^4\})$	21504
12	$\mathcal{O}(0; \{2^8, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^4, 6^4, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^7, 6^4, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^4, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^4, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^5, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^5, 6^5, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^5, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^6, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^3, 6^6, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^3, 4^2, 6^6, 12^4\})$	10944
12	$\mathcal{O}(0; \{4^4, 6^6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^3, 3, 6^7, 12^4\})$	10928
12	$\mathcal{O}(0; \{3, 4^2, 6^7, 12^4\})$	43712
12	$\mathcal{O}(0; \{3^2, 6^8, 12^4\})$	43696
12	$\mathcal{O}(0; \{2, 6^9, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^6, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^8, 4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^5, 4^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^4, 3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{3^5, 4^5, 12^5\})$	175104
12	$\mathcal{O}(0; \{2, 3^2, 4^7, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^{11}, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^7, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 6, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^8, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{3^6, 4^3, 6, 12^5\})$	174848
12	$\mathcal{O}(0; \{2^5, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 6, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^2, 4^7, 6, 12^5\})$	45056
12	$\mathcal{O}(0; \{2^8, 3, 4, 6^2, 12^5\})$	2752

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{3^7, 4, 6^2, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6^2, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6^2, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^3, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^3, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^6, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^4, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^3, 4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{4^5, 6^4, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{3, 4^3, 6^5, 12^5\})$	87296
12	$\mathcal{O}(0; \{3^2, 4, 6^6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2, 4, 6^7, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^{11}, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{3^7, 4^2, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^8, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{3^8, 6, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^9, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 3^6, 6^2, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^6, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^3, 4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{4^6, 6^2, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^6, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^4, 6^3, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{3, 4^4, 6^3, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^3, 3^2, 6^4, 12^6\})$	43712

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^2, 4^2, 6^4, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^4, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{3^3, 6^5, 12^6\})$	174784
12	$\mathcal{O}(0; \{2, 4^2, 6^5, 12^6\})$	87296
12	$\mathcal{O}(0; \{2, 3, 6^6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^9, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2, 3^6, 4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^6, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^3, 4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{4^7, 12^7\})$	344064
12	$\mathcal{O}(0; \{2^6, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{3, 4^5, 6, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^4, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{3^3, 4, 6^3, 12^7\})$	349440
12	$\mathcal{O}(0; \{2, 4^3, 6^3, 12^7\})$	175104
12	$\mathcal{O}(0; \{2, 3, 4, 6^4, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^6, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^5, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{3^2, 4^4, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^7, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{2^3, 3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^4, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{3^3, 4^2, 6, 12^8\})$	699392
12	$\mathcal{O}(0; \{2, 4^4, 6, 12^8\})$	348160
12	$\mathcal{O}(0; \{2^4, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^4, 6^2, 12^8\})$	699136
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2, 3^2, 6^3, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^2, 6^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2^4, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{3^4, 4, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2, 3, 4^3, 12^9\})$	700416
12	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^9\})$	349184
12	$\mathcal{O}(0; \{2^5, 12^{10}\})$	175104
12	$\mathcal{O}(0; \{2, 3^3, 12^{10}\})$	1397760

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 4^2, 12^{10}\})$	700416
12	$\mathcal{O}(0; \{2^2, 3, 6, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{6^3, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{4, 6, 12^{11}\})$	2797568
12	$\mathcal{O}(0; \{3, 12^{12}\})$	5591040
14	$\mathcal{O}(4; \{2, 7, 14\})$	8854734336
14	$\mathcal{O}(3; \{7^5\})$	8227194570
14	$\mathcal{O}(3; \{2^5, 7, 14\})$	45177216
14	$\mathcal{O}(3; \{2^3, 14^3\})$	225886080
14	$\mathcal{O}(2; \{2^4, 7^5\})$	42641760
14	$\mathcal{O}(2; \{2^9, 7, 14\})$	230496
14	$\mathcal{O}(2; \{2^2, 7^4, 14^2\})$	256081056
14	$\mathcal{O}(2; \{2^7, 14^3\})$	1152480
14	$\mathcal{O}(2; \{7^3, 14^4\})$	1536255840
14	$\mathcal{O}(1; \{2^8, 7^5\})$	217560
14	$\mathcal{O}(1; \{2^{13}, 7, 14\})$	1176
14	$\mathcal{O}(1; \{2, 7^8, 14\})$	282175320
14	$\mathcal{O}(1; \{2^6, 7^4, 14^2\})$	1306536
14	$\mathcal{O}(1; \{2^{11}, 14^3\})$	5880
14	$\mathcal{O}(1; \{2^4, 7^3, 14^4\})$	7838040
14	$\mathcal{O}(1; \{2^2, 7^2, 14^6\})$	47029416
14	$\mathcal{O}(1; \{7, 14^8\})$	282175320
14	$\mathcal{O}(0; \{2^{12}, 7^5\})$	1110
14	$\mathcal{O}(0; \{2^{17}, 7, 14\})$	6
14	$\mathcal{O}(0; \{2^5, 7^8, 14\})$	1439670
14	$\mathcal{O}(0; \{2^{10}, 7^4, 14^2\})$	6666
14	$\mathcal{O}(0; \{2^{15}, 14^3\})$	30
14	$\mathcal{O}(0; \{2^3, 7^7, 14^3\})$	8638026
14	$\mathcal{O}(0; \{2^8, 7^3, 14^4\})$	39990
14	$\mathcal{O}(0; \{2, 7^6, 14^5\})$	51828150
14	$\mathcal{O}(0; \{2^6, 7^2, 14^6\})$	239946
14	$\mathcal{O}(0; \{2^4, 7, 14^8\})$	1439670
14	$\mathcal{O}(0; \{2^2, 14^{10}\})$	8638026
15	$\mathcal{O}(3; \{3^2, 5^3\})$	273375000
15	$\mathcal{O}(3; \{3^3, 5, 15\})$	273375000
15	$\mathcal{O}(3; \{15^4\})$	3553875000
15	$\mathcal{O}(2; \{3^5, 5^3\})$	6075000
15	$\mathcal{O}(2; \{3^6, 5, 15\})$	8505000
15	$\mathcal{O}(2; \{3, 5^4, 15^2\})$	83025000
15	$\mathcal{O}(2; \{3^2, 5^2, 15^3\})$	103275000
15	$\mathcal{O}(2; \{3^3, 15^4\})$	110565000
15	$\mathcal{O}(1; \{3^8, 5^3\})$	232200
15	$\mathcal{O}(1; \{3^2, 5^8\})$	5898600

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^9, 5, 15\})$	307800
15	$\mathcal{O}(1; \{3^3, 5^6, 15\})$	4422600
15	$\mathcal{O}(1; \{3^4, 5^4, 15^2\})$	4059000
15	$\mathcal{O}(1; \{3^5, 5^2, 15^3\})$	3947400
15	$\mathcal{O}(1; \{3^6, 15^4\})$	4001400
15	$\mathcal{O}(1; \{5^5, 15^4\})$	70777800
15	$\mathcal{O}(1; \{3, 5^3, 15^5\})$	64884600
15	$\mathcal{O}(1; \{3^2, 5, 15^6\})$	63390600
15	$\mathcal{O}(0; \{3^{11}, 5^3\})$	8184
15	$\mathcal{O}(0; \{3^5, 5^8\})$	131080
15	$\mathcal{O}(0; \{3^{12}, 5, 15\})$	10920
15	$\mathcal{O}(0; \{3^6, 5^6, 15\})$	137592
15	$\mathcal{O}(0; \{3^7, 5^4, 15^2\})$	139400
15	$\mathcal{O}(0; \{3, 5^9, 15^2\})$	1677720
15	$\mathcal{O}(0; \{3^8, 5^2, 15^3\})$	139128
15	$\mathcal{O}(0; \{3^2, 5^7, 15^3\})$	2097160
15	$\mathcal{O}(0; \{3^9, 15^4\})$	141960
15	$\mathcal{O}(0; \{3^3, 5^5, 15^4\})$	2201976
15	$\mathcal{O}(0; \{3^4, 5^3, 15^5\})$	2228360
15	$\mathcal{O}(0; \{3^5, 5, 15^6\})$	2234232
15	$\mathcal{O}(0; \{5^4, 15^7\})$	35232120
15	$\mathcal{O}(0; \{3, 5^2, 15^8\})$	35651720
15	$\mathcal{O}(0; \{3^2, 15^9\})$	35755896
16	$\mathcal{O}(3; \{2^3, 8^2\})$	66060288
16	$\mathcal{O}(3; \{4^2, 8^2\})$	264241152
16	$\mathcal{O}(3; \{2, 8, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^7, 8^2\})$	245760
16	$\mathcal{O}(2; \{2^4, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{2, 4^4, 8^2\})$	3932160
16	$\mathcal{O}(2; \{2^2, 4, 8^4\})$	7864320
16	$\mathcal{O}(2; \{8^6\})$	62914560
16	$\mathcal{O}(2; \{2^5, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2^2, 4^2, 8, 16^2\})$	8388608
16	$\mathcal{O}(2; \{4, 8^3, 16^2\})$	67108864
16	$\mathcal{O}(2; \{2^3, 16^4\})$	33554432
16	$\mathcal{O}(2; \{4^2, 16^4\})$	134217728
16	$\mathcal{O}(1; \{2^{11}, 8^2\})$	768
16	$\mathcal{O}(1; \{2^8, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^5, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{2^2, 4^6, 8^2\})$	49152
16	$\mathcal{O}(1; \{2^6, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{2^3, 4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{4^5, 8^4\})$	393216

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^4, 8^6\})$	196608
16	$\mathcal{O}(1; \{2, 4^2, 8^6\})$	786432
16	$\mathcal{O}(1; \{2^9, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^6, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^3, 4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{4^6, 8, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^4, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{2, 4^3, 8^3, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^2, 8^5, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^7, 16^4\})$	131072
16	$\mathcal{O}(1; \{2^4, 4^2, 16^4\})$	524288
16	$\mathcal{O}(1; \{2, 4^4, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2^2, 4, 8^2, 16^4\})$	4194304
16	$\mathcal{O}(1; \{8^4, 16^4\})$	33554432
16	$\mathcal{O}(1; \{4, 8, 16^6\})$	67108864
16	$\mathcal{O}(0; \{2^{13}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^{10}, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^7, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2^4, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2, 4^8, 8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^8, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^5, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^2, 4^5, 8^3, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^6, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^3, 4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{4^4, 8^5, 16^2\})$	131072
16	$\mathcal{O}(0; \{2, 4, 8^7, 16^2\})$	262144
16	$\mathcal{O}(0; \{2^{11}, 16^4\})$	512
16	$\mathcal{O}(0; \{2^8, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^5, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^2, 4^6, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^6, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{4^5, 8^2, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^4, 8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{2, 4^2, 8^4, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^4, 4, 8, 16^6\})$	262144
16	$\mathcal{O}(0; \{2, 4^3, 8, 16^6\})$	1048576
16	$\mathcal{O}(0; \{2^2, 8^3, 16^6\})$	2097152
16	$\mathcal{O}(0; \{2^2, 4, 16^8\})$	4194304
16	$\mathcal{O}(0; \{8^2, 16^8\})$	33554432
17	$\mathcal{O}(3; \{17^3\})$	5793016560
18	$\mathcal{O}(3; \{3, 9^2\})$	401769396

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(2; \{2^4, 3, 9^2\})$	1259712
18	$\mathcal{O}(2; \{3^4, 9^2\})$	9447840
18	$\mathcal{O}(2; \{2, 3^2, 6, 9^2\})$	5038848
18	$\mathcal{O}(2; \{2^2, 6^2, 9^2\})$	2519424
18	$\mathcal{O}(2; \{9^5\})$	79716150
18	$\mathcal{O}(2; \{6, 9^3, 18\})$	34012224
18	$\mathcal{O}(2; \{2^2, 3, 9, 18^2\})$	3779136
18	$\mathcal{O}(2; \{6^2, 9, 18^2\})$	7558272
18	$\mathcal{O}(2; \{3, 18^4\})$	34012224
18	$\mathcal{O}(1; \{2^8, 3, 9^2\})$	3888
18	$\mathcal{O}(1; \{2^4, 3^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{3^7, 9^2\})$	186624
18	$\mathcal{O}(1; \{2^5, 3^2, 6, 9^2\})$	15552
18	$\mathcal{O}(1; \{2, 3^5, 6, 9^2\})$	124416
18	$\mathcal{O}(1; \{2^6, 6^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3, 6^3, 9^2\})$	31104
18	$\mathcal{O}(1; \{3^2, 6^4, 9^2\})$	124416
18	$\mathcal{O}(1; \{2, 6^5, 9^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 9^5\})$	262440
18	$\mathcal{O}(1; \{3^3, 9^5\})$	1574640
18	$\mathcal{O}(1; \{2, 3, 6, 9^5\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^2, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^4, 6, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{3^3, 6, 9^3, 18\})$	839808
18	$\mathcal{O}(1; \{2, 3, 6^2, 9^3, 18\})$	419904
18	$\mathcal{O}(1; \{2^6, 3, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{2^2, 3^4, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2^4, 6^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{3^3, 6^2, 9, 18^2\})$	186624
18	$\mathcal{O}(1; \{2, 3, 6^3, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2^2, 9^4, 18^2\})$	1732104
18	$\mathcal{O}(1; \{2, 3^2, 9^2, 18^3\})$	1049760
18	$\mathcal{O}(1; \{2^2, 6, 9^2, 18^3\})$	524880
18	$\mathcal{O}(1; \{2^4, 3, 18^4\})$	104976
18	$\mathcal{O}(1; \{3^4, 18^4\})$	839808
18	$\mathcal{O}(1; \{2, 3^2, 6, 18^4\})$	419904
18	$\mathcal{O}(1; \{2^2, 6^2, 18^4\})$	209952
18	$\mathcal{O}(1; \{9^3, 18^4\})$	9920232
18	$\mathcal{O}(1; \{6, 9, 18^5\})$	3464208
18	$\mathcal{O}(0; \{2^{12}, 3, 9^2\})$	12
18	$\mathcal{O}(0; \{2^8, 3^4, 9^2\})$	96

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^4, 3^7, 9^2\})$	768
18	$\mathcal{O}(0; \{2^9, 3^2, 6, 9^2\})$	48
18	$\mathcal{O}(0; \{2^5, 3^5, 6, 9^2\})$	384
18	$\mathcal{O}(0; \{2, 3^8, 6, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^{10}, 6^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 9^2\})$	192
18	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^7, 3, 6^3, 9^2\})$	96
18	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 9^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 9^2\})$	384
18	$\mathcal{O}(0; \{3^5, 6^4, 9^2\})$	3072
18	$\mathcal{O}(0; \{2^5, 6^5, 9^2\})$	192
18	$\mathcal{O}(0; \{2, 3^3, 6^5, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3, 6^6, 9^2\})$	768
18	$\mathcal{O}(0; \{6^8, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^8, 9^5\})$	810
18	$\mathcal{O}(0; \{2^4, 3^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^5\})$	3240
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^5\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 6^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{3, 6^4, 9^5\})$	25920
18	$\mathcal{O}(0; \{2, 6, 9^8\})$	376164
18	$\mathcal{O}(0; \{2^7, 3^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^3, 3^5, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^8, 6, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{3^6, 6, 9^3, 18\})$	20736
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^3, 6^4, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{3, 6^5, 9^3, 18\})$	10368
18	$\mathcal{O}(0; \{2^3, 3, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{3^2, 6, 9^6, 18\})$	244944
18	$\mathcal{O}(0; \{2, 6^2, 9^6, 18\})$	122472
18	$\mathcal{O}(0; \{2^{10}, 3, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^6, 3^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^2, 3^7, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^8, 6^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9, 18^2\})$	576

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^6, 6^2, 9, 18^2\})$	4608
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^3, 6^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{3, 6^6, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^6, 9^4, 18^2\})$	5346
18	$\mathcal{O}(0; \{2^2, 3^3, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{3^2, 6^2, 9^4, 18^2\})$	85536
18	$\mathcal{O}(0; \{2, 6^3, 9^4, 18^2\})$	42768
18	$\mathcal{O}(0; \{2^5, 3^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2, 3^5, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2^6, 6, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{3^2, 6^3, 9^2, 18^3\})$	25920
18	$\mathcal{O}(0; \{2, 6^4, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2, 3, 9^5, 18^3\})$	376164
18	$\mathcal{O}(0; \{2^8, 3, 18^4\})$	324
18	$\mathcal{O}(0; \{2^4, 3^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{3^7, 18^4\})$	20736
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 18^4\})$	1296
18	$\mathcal{O}(0; \{2, 3^5, 6, 18^4\})$	10368
18	$\mathcal{O}(0; \{2^6, 6^2, 18^4\})$	648
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 18^4\})$	2592
18	$\mathcal{O}(0; \{3^2, 6^4, 18^4\})$	10368
18	$\mathcal{O}(0; \{2, 6^5, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 9^3, 18^4\})$	30618
18	$\mathcal{O}(0; \{3^3, 9^3, 18^4\})$	244944
18	$\mathcal{O}(0; \{2, 3, 6, 9^3, 18^4\})$	122472
18	$\mathcal{O}(0; \{2^3, 3^2, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2^4, 6, 9, 18^5\})$	10692
18	$\mathcal{O}(0; \{3^3, 6, 9, 18^5\})$	85536
18	$\mathcal{O}(0; \{2, 3, 6^2, 9, 18^5\})$	42768
18	$\mathcal{O}(0; \{2^2, 9^2, 18^6\})$	188082
18	$\mathcal{O}(0; \{2, 3^2, 18^7\})$	122472
18	$\mathcal{O}(0; \{2^2, 6, 18^7\})$	61236
18	$\mathcal{O}(0; \{9, 18^8\})$	1115370
20	$\mathcal{O}(3; \{10^2\})$	252000000
20	$\mathcal{O}(2; \{2, 5^3, 10\})$	7800000
20	$\mathcal{O}(2; \{2^4, 10^2\})$	600000

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{2, 4^2, 10^2\})$	1280000
20	$\mathcal{O}(2; \{2, 4, 5^2, 20\})$	3840000
20	$\mathcal{O}(2; \{2^2, 10, 20^2\})$	3840000
20	$\mathcal{O}(2; \{20^4\})$	66560000
20	$\mathcal{O}(1; \{2^2, 5^6\})$	246000
20	$\mathcal{O}(1; \{2^5, 5^3, 10\})$	15600
20	$\mathcal{O}(1; \{2^2, 4^2, 5^3, 10\})$	41600
20	$\mathcal{O}(1; \{2^8, 10^2\})$	1200
20	$\mathcal{O}(1; \{2^5, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^4, 10^2\})$	12800
20	$\mathcal{O}(1; \{5^5, 10^2\})$	982800
20	$\mathcal{O}(1; \{2^3, 5^2, 10^3\})$	61200
20	$\mathcal{O}(1; \{4^2, 5^2, 10^3\})$	163200
20	$\mathcal{O}(1; \{2, 5, 10^5\})$	246000
20	$\mathcal{O}(1; \{2^5, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^2, 4^3, 5^2, 20\})$	38400
20	$\mathcal{O}(1; \{4, 5^4, 10, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{4^3, 5, 10^2, 20\})$	166400
20	$\mathcal{O}(1; \{2, 4, 10^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{4^2, 5^3, 20^2\})$	652800
20	$\mathcal{O}(1; \{2^6, 10, 20^2\})$	9600
20	$\mathcal{O}(1; \{2^3, 4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{4^4, 10, 20^2\})$	153600
20	$\mathcal{O}(1; \{2, 5^2, 10^2, 20^2\})$	656000
20	$\mathcal{O}(1; \{2, 4, 5, 10, 20^3\})$	652800
20	$\mathcal{O}(1; \{2^4, 20^4\})$	166400
20	$\mathcal{O}(1; \{2, 4^2, 20^4\})$	665600
20	$\mathcal{O}(0; \{2^3, 4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{4^4, 5^6\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2^3, 4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{4^6, 5^3, 10\})$	1664
20	$\mathcal{O}(0; \{2^9, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^6, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2^3, 4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{4^8, 10^2\})$	512
20	$\mathcal{O}(0; \{2, 4^2, 5^5, 10^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10^3\})$	1632
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^5\})$	1640
20	$\mathcal{O}(0; \{4^2, 10^7\})$	6552

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Table 9 – continued from previous page

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

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4, 10^2, 20^5\})$	104832
20	$\mathcal{O}(0; \{2, 5^2, 20^6\})$	419456
21	$\mathcal{O}(2; \{3, 21^3\})$	35006580
21	$\mathcal{O}(1; \{3^3, 7^3, 21\})$	492156
21	$\mathcal{O}(1; \{3^4, 21^3\})$	555660
21	$\mathcal{O}(1; \{7^2, 21^4\})$	17638236
21	$\mathcal{O}(0; \{3^6, 7^3, 21\})$	7812
21	$\mathcal{O}(0; \{3^2, 7^5, 21^2\})$	239940
21	$\mathcal{O}(0; \{3^7, 21^3\})$	10260
21	$\mathcal{O}(0; \{3^3, 7^2, 21^4\})$	279972
21	$\mathcal{O}(0; \{7, 21^7\})$	10077732
22	$\mathcal{O}(2; \{2, 11^2, 22\})$	21083040
22	$\mathcal{O}(1; \{2^5, 11^2, 22\})$	43560
22	$\mathcal{O}(1; \{2^3, 11, 22^3\})$	440440
22	$\mathcal{O}(1; \{2, 22^5\})$	4399560
22	$\mathcal{O}(0; \{2^9, 11^2, 22\})$	90
22	$\mathcal{O}(0; \{2^7, 11, 22^3\})$	910
22	$\mathcal{O}(0; \{2^5, 22^5\})$	9090
24	$\mathcal{O}(2; \{3^2, 4^2\})$	1244160
24	$\mathcal{O}(2; \{2, 3, 4, 12\})$	1244160
24	$\mathcal{O}(2; \{2^2, 12^2\})$	1244160
24	$\mathcal{O}(2; \{12, 24^2\})$	5308416
24	$\mathcal{O}(1; \{2^4, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{3^5, 4^2\})$	8640
24	$\mathcal{O}(1; \{2, 3^2, 4^4\})$	6912
24	$\mathcal{O}(1; \{2, 3^3, 4^2, 6\})$	5184
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{4^2, 6^4\})$	5184
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{3, 4, 6^2, 8^2\})$	9216
24	$\mathcal{O}(1; \{3^2, 8^4\})$	73728
24	$\mathcal{O}(1; \{2^5, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2, 3^4, 4, 12\})$	8640
24	$\mathcal{O}(1; \{2^2, 3, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12\})$	5184
24	$\mathcal{O}(1; \{2^3, 4, 6^2, 12\})$	1728
24	$\mathcal{O}(1; \{4^3, 6^2, 12\})$	6912
24	$\mathcal{O}(1; \{3, 4, 6^3, 12\})$	8640
24	$\mathcal{O}(1; \{2^3, 3, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{3, 4^2, 8^2, 12\})$	36864
24	$\mathcal{O}(1; \{3^2, 6, 8^2, 12\})$	27648
24	$\mathcal{O}(1; \{2, 6^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^6, 12^2\})$	1728

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^2, 3^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2^3, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{4^4, 12^2\})$	27648
24	$\mathcal{O}(1; \{2^3, 3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{3, 4^2, 6, 12^2\})$	20736
24	$\mathcal{O}(1; \{3^2, 6^2, 12^2\})$	19008
24	$\mathcal{O}(1; \{2, 6^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2, 4, 8^2, 12^2\})$	36864
24	$\mathcal{O}(1; \{3^2, 4, 12^3\})$	34560
24	$\mathcal{O}(1; \{2, 4, 6, 12^3\})$	20736
24	$\mathcal{O}(1; \{2, 3, 12^4\})$	34560
24	$\mathcal{O}(1; \{2^2, 3^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2^3, 3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3, 4^2, 6, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3^2, 6^2, 8, 24\})$	23040
24	$\mathcal{O}(1; \{2, 6^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{3^2, 4, 8, 12, 24\})$	55296
24	$\mathcal{O}(1; \{2, 4, 6, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{2, 3, 8, 12^2, 24\})$	55296
24	$\mathcal{O}(1; \{2^3, 3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{3, 4^3, 24^2\})$	36864
24	$\mathcal{O}(1; \{3^2, 4, 6, 24^2\})$	46080
24	$\mathcal{O}(1; \{2, 4, 6^2, 24^2\})$	27648
24	$\mathcal{O}(1; \{2, 3, 8^2, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^4, 12, 24^2\})$	9216
24	$\mathcal{O}(1; \{3^3, 12, 24^2\})$	101376
24	$\mathcal{O}(1; \{2, 4^2, 12, 24^2\})$	36864
24	$\mathcal{O}(1; \{2, 3, 6, 12, 24^2\})$	46080
24	$\mathcal{O}(1; \{2^2, 24^4\})$	221184
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8^2\})$	80
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{3^2, 4^5, 8^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8^2\})$	192
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8^2\})$	176
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8^2\})$	80
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^4, 3^2, 8^4\})$	128
24	$\mathcal{O}(0; \{3^5, 8^4\})$	640
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^4\})$	512

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^4\})$	384
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{6^4, 8^4\})$	384
24	$\mathcal{O}(0; \{2^7, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^3, 3^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{3^4, 4^2, 8^2, 12\})$	320
24	$\mathcal{O}(0; \{2, 3, 4^4, 8^2, 12\})$	256
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3^5, 6, 8^2, 12\})$	336
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^2, 12\})$	192
24	$\mathcal{O}(0; \{2^5, 6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{6^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{4, 6^2, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{3, 8^6, 12\})$	4096
24	$\mathcal{O}(0; \{2^5, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 12^2\})$	256
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 12^2\})$	320
24	$\mathcal{O}(0; \{2^3, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{4^2, 8^4, 12^2\})$	2048
24	$\mathcal{O}(0; \{3, 6, 8^4, 12^2\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12^3\})$	768
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12^3\})$	704
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^4\})$	1280
24	$\mathcal{O}(0; \{2, 8^2, 12^5\})$	1280
24	$\mathcal{O}(0; \{2^6, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^2, 3^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{3^3, 4^4, 8, 24\})$	384
24	$\mathcal{O}(0; \{2^7, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 8, 24\})$	352
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 8, 24\})$	40

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^5, 6^2, 8, 24\})$	344
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2^5, 6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 8, 24\})$	168
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 8, 24\})$	88
24	$\mathcal{O}(0; \{6^6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{4, 6^3, 8^3, 24\})$	768
24	$\mathcal{O}(0; \{3, 6, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{3^5, 4, 8, 12, 24\})$	672
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8, 12, 24\})$	384
24	$\mathcal{O}(0; \{2^5, 4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{4, 6^4, 8, 12, 24\})$	352
24	$\mathcal{O}(0; \{2^2, 3^2, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^3, 6, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{4^2, 6, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3, 6^2, 8^3, 12, 24\})$	1280
24	$\mathcal{O}(0; \{2^5, 3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{2, 3^4, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 12^2, 24\})$	640
24	$\mathcal{O}(0; \{3, 6^3, 8, 12^2, 24\})$	672
24	$\mathcal{O}(0; \{3, 4, 8^3, 12^2, 24\})$	3072
24	$\mathcal{O}(0; \{2^3, 4, 8, 12^3, 24\})$	384
24	$\mathcal{O}(0; \{4^3, 8, 12^3, 24\})$	1536
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 8^3, 12^3, 24\})$	3072
24	$\mathcal{O}(0; \{3^2, 8, 12^4, 24\})$	2688
24	$\mathcal{O}(0; \{2, 6, 8, 12^4, 24\})$	1408
24	$\mathcal{O}(0; \{2^7, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^3, 3^4, 4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^4, 3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{3^4, 4^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 3, 4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 24^2\})$	80

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^5, 4, 6, 24^2\})$	688
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 24^2\})$	320
24	$\mathcal{O}(0; \{2^5, 4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 24^2\})$	176
24	$\mathcal{O}(0; \{4, 6^5, 24^2\})$	336
24	$\mathcal{O}(0; \{2^5, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2, 3^4, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{4^2, 6^2, 8^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3, 6^3, 8^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3, 4, 8^4, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^8, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2^4, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{3^6, 12, 24^2\})$	1360
24	$\mathcal{O}(0; \{2^5, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 4^4, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^5, 3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2, 3^4, 6, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^3, 6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{4^2, 6^3, 12, 24^2\})$	704
24	$\mathcal{O}(0; \{3, 6^4, 12, 24^2\})$	688
24	$\mathcal{O}(0; \{2^3, 4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{4^3, 8^2, 12, 24^2\})$	2048
24	$\mathcal{O}(0; \{3, 4, 6, 8^2, 12, 24^2\})$	2560
24	$\mathcal{O}(0; \{2, 8^4, 12, 24^2\})$	4096
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2^3, 4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{4^3, 6, 12^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{3, 4, 6^2, 12^2, 24^2\})$	1344
24	$\mathcal{O}(0; \{3^2, 8^2, 12^2, 24^2\})$	5632
24	$\mathcal{O}(0; \{2, 6, 8^2, 12^2, 24^2\})$	2560
24	$\mathcal{O}(0; \{2^3, 3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{3, 4^2, 12^3, 24^2\})$	2816
24	$\mathcal{O}(0; \{3^2, 6, 12^3, 24^2\})$	2752
24	$\mathcal{O}(0; \{2, 6^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 4, 12^4, 24^2\})$	2816

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{4^3, 6, 8, 24^3\})$	3072
24	$\mathcal{O}(0; \{3, 4, 6^2, 8, 24^3\})$	2816
24	$\mathcal{O}(0; \{3^2, 8^3, 24^3\})$	10240
24	$\mathcal{O}(0; \{2, 6, 8^3, 24^3\})$	6144
24	$\mathcal{O}(0; \{2^3, 3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{3, 4^2, 8, 12, 24^3\})$	5120
24	$\mathcal{O}(0; \{3^2, 6, 8, 12, 24^3\})$	5376
24	$\mathcal{O}(0; \{2, 6^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 4, 8, 12^2, 24^3\})$	5120
24	$\mathcal{O}(0; \{2^6, 24^4\})$	384
24	$\mathcal{O}(0; \{2^2, 3^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2^3, 4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{4^4, 24^4\})$	6144
24	$\mathcal{O}(0; \{2^3, 3, 6, 24^4\})$	1408
24	$\mathcal{O}(0; \{3, 4^2, 6, 24^4\})$	5632
24	$\mathcal{O}(0; \{3^2, 6^2, 24^4\})$	5504
24	$\mathcal{O}(0; \{2, 6^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 4, 8^2, 24^4\})$	12288
24	$\mathcal{O}(0; \{3^2, 4, 12, 24^4\})$	10752
24	$\mathcal{O}(0; \{2, 4, 6, 12, 24^4\})$	5632
24	$\mathcal{O}(0; \{2, 3, 12^2, 24^4\})$	10752
24	$\mathcal{O}(0; \{2, 3, 8, 24^5\})$	22528
25	$\mathcal{O}(1; \{5, 25^4\})$	16250000
27	$\mathcal{O}(0; \{3, 9^2, 27^4\})$	314928
28	$\mathcal{O}(1; \{2^3, 7^2, 14\})$	17640
28	$\mathcal{O}(1; \{4^2, 7^2, 14\})$	47040
28	$\mathcal{O}(1; \{2, 7, 14^3\})$	109368
28	$\mathcal{O}(1; \{2^3, 4, 14, 28\})$	9408
28	$\mathcal{O}(1; \{4^3, 14, 28\})$	37632
28	$\mathcal{O}(1; \{2, 7^2, 28^2\})$	291648
28	$\mathcal{O}(1; \{2, 4, 28^3\})$	188160
28	$\mathcal{O}(0; \{2^4, 4^2, 7^2, 14\})$	60
28	$\mathcal{O}(0; \{2, 4^4, 7^2, 14\})$	240
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14^3\})$	372
28	$\mathcal{O}(0; \{4^2, 14^5\})$	2220
28	$\mathcal{O}(0; \{2^2, 4, 7^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^7, 4, 14, 28\})$	12
28	$\mathcal{O}(0; \{2^4, 4^3, 14, 28\})$	48
28	$\mathcal{O}(0; \{2, 4^5, 14, 28\})$	192
28	$\mathcal{O}(0; \{4, 7^3, 14^2, 28\})$	13332
28	$\mathcal{O}(0; \{2^5, 7^2, 28^2\})$	372

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^3, 7, 14^2, 28^2\})$	2220
28	$\mathcal{O}(0; \{4^2, 7, 14^2, 28^2\})$	8880
28	$\mathcal{O}(0; \{2, 14^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^5, 4, 28^3\})$	240
28	$\mathcal{O}(0; \{2^2, 4^3, 28^3\})$	960
28	$\mathcal{O}(0; \{2, 7, 14, 28^4\})$	53328
29	$\mathcal{O}(3; \emptyset)$	594823320
30	$\mathcal{O}(2; \{15^2\})$	6075000
30	$\mathcal{O}(1; \{3^2, 5, 6, 10\})$	7200
30	$\mathcal{O}(1; \{2, 5, 6^2, 10\})$	7200
30	$\mathcal{O}(1; \{3^2, 5^2, 15\})$	16200
30	$\mathcal{O}(1; \{2, 5^2, 6, 15\})$	21600
30	$\mathcal{O}(1; \{2^4, 15^2\})$	7200
30	$\mathcal{O}(1; \{3^3, 15^2\})$	27000
30	$\mathcal{O}(1; \{2, 3, 6, 15^2\})$	21600
30	$\mathcal{O}(1; \{3^3, 10, 30\})$	21600
30	$\mathcal{O}(1; \{2, 3, 6, 10, 30\})$	7200
30	$\mathcal{O}(1; \{2, 3, 5, 15, 30\})$	21600
30	$\mathcal{O}(1; \{2^2, 15, 30^2\})$	21600
30	$\mathcal{O}(1; \{30^4\})$	280800
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 6\})$	104
30	$\mathcal{O}(0; \{2^2, 5^4, 6^2\})$	104
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 10\})$	24
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 10\})$	8
30	$\mathcal{O}(0; \{3^5, 5, 6, 10\})$	88
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 10\})$	40
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 10\})$	24
30	$\mathcal{O}(0; \{5, 6^5, 10\})$	40
30	$\mathcal{O}(0; \{5^3, 6^2, 10^2\})$	408
30	$\mathcal{O}(0; \{2, 3^4, 10^3\})$	72
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^3\})$	24
30	$\mathcal{O}(0; \{2^3, 6^2, 10^3\})$	24
30	$\mathcal{O}(0; \{3, 6^3, 10^3\})$	72
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2, 15\})$	24
30	$\mathcal{O}(0; \{2^5, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6, 15\})$	120
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2, 15\})$	72
30	$\mathcal{O}(0; \{5^2, 6^4, 15\})$	120
30	$\mathcal{O}(0; \{5^4, 6, 10, 15\})$	1640
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 5, 6, 10^2, 15\})$	104

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^2, 15\})$	312
30	$\mathcal{O}(0; \{3^2, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{2, 6, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{2^8, 15^2\})$	8
30	$\mathcal{O}(0; \{2^4, 3^3, 15^2\})$	40
30	$\mathcal{O}(0; \{2^5, 3, 6, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 6, 15^2\})$	168
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 15^2\})$	88
30	$\mathcal{O}(0; \{2^3, 6^3, 15^2\})$	40
30	$\mathcal{O}(0; \{3, 6^4, 15^2\})$	168
30	$\mathcal{O}(0; \{2^3, 5^2, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 15^2\})$	1224
30	$\mathcal{O}(0; \{2, 5, 10^3, 15^2\})$	1640
30	$\mathcal{O}(0; \{2^3, 3, 10, 15^3\})$	312
30	$\mathcal{O}(0; \{3^2, 6, 10, 15^3\})$	1144
30	$\mathcal{O}(0; \{2, 6^2, 10, 15^3\})$	520
30	$\mathcal{O}(0; \{2, 5, 6, 15^4\})$	2040
30	$\mathcal{O}(0; \{2, 3^3, 5^3, 30\})$	312
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 6, 30\})$	104
30	$\mathcal{O}(0; \{5^3, 6^3, 30\})$	312
30	$\mathcal{O}(0; \{2^4, 3^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{3^6, 10, 30\})$	168
30	$\mathcal{O}(0; \{2^5, 3, 6, 10, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 6, 10, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 10, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 6^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{3, 6^4, 10, 30\})$	88
30	$\mathcal{O}(0; \{3, 5^2, 6, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{2^5, 3, 5, 15, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 5, 15, 30\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 15, 30\})$	72
30	$\mathcal{O}(0; \{3, 5, 6^3, 15, 30\})$	264
30	$\mathcal{O}(0; \{3, 5^3, 10, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 3, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{3^2, 6, 10^2, 15, 30\})$	520
30	$\mathcal{O}(0; \{2, 6^2, 10^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{3^2, 5, 10, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5, 6, 10, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 5^2, 15^3, 30\})$	4920
30	$\mathcal{O}(0; \{2, 3, 15^4, 30\})$	4488
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 30^2\})$	104

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3^2, 5, 10^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{2, 5, 6, 10^2, 30^2\})$	408
30	$\mathcal{O}(0; \{2^6, 15, 30^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3^3, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2^3, 3, 6, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{3^2, 6^2, 15, 30^2\})$	504
30	$\mathcal{O}(0; \{2, 6^3, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 5^2, 10, 15, 30^2\})$	1640
30	$\mathcal{O}(0; \{2, 3, 10, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{2^3, 3, 5, 30^3\})$	312
30	$\mathcal{O}(0; \{3^2, 5, 6, 30^3\})$	1144
30	$\mathcal{O}(0; \{2, 5, 6^2, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 3, 10^2, 30^3\})$	1224
30	$\mathcal{O}(0; \{2^4, 30^4\})$	312
30	$\mathcal{O}(0; \{3^3, 30^4\})$	2184
30	$\mathcal{O}(0; \{2, 3, 6, 30^4\})$	1144
32	$\mathcal{O}(1; \{2^2, 4, 16^2\})$	12288
32	$\mathcal{O}(1; \{8^2, 16^2\})$	98304
32	$\mathcal{O}(1; \{4, 16, 32^2\})$	262144
32	$\mathcal{O}(0; \{2^4, 4, 16, 32^2\})$	256
32	$\mathcal{O}(0; \{2, 4^3, 16, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^2, 8^2, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{8, 16^3, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^2, 4, 32^4\})$	8192
32	$\mathcal{O}(0; \{8^2, 32^4\})$	65536
33	$\mathcal{O}(1; \{3, 11, 33^2\})$	196020
33	$\mathcal{O}(0; \{3^4, 11, 33^2\})$	1980
33	$\mathcal{O}(0; \{3, 33^5\})$	199980
34	$\mathcal{O}(1; \{2^3, 17, 34\})$	18496
34	$\mathcal{O}(1; \{2, 34^3\})$	277440
34	$\mathcal{O}(0; \{2^7, 17, 34\})$	16
34	$\mathcal{O}(0; \{2^5, 34^3\})$	240
35	$\mathcal{O}(1; \{5^2, 7^2\})$	29400
35	$\mathcal{O}(0; \{5, 7^3, 35^2\})$	13320
35	$\mathcal{O}(0; \{5^3, 35^3\})$	24600
36	$\mathcal{O}(1; \{2, 9^2, 18\})$	17496
36	$\mathcal{O}(1; \{3^2, 18^2\})$	23328
36	$\mathcal{O}(1; \{2, 6, 18^2\})$	11664
36	$\mathcal{O}(0; \{4, 9^4, 12\})$	648
36	$\mathcal{O}(0; \{2^2, 4^2, 9^2, 18\})$	36
36	$\mathcal{O}(0; \{4, 6, 9^2, 12, 18\})$	144
36	$\mathcal{O}(0; \{3, 9^2, 12^2, 18\})$	288

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 18^2\})$	48
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 18^2\})$	24
36	$\mathcal{O}(0; \{2^2, 3, 4, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{4, 6^2, 12, 18^2\})$	96
36	$\mathcal{O}(0; \{2^3, 12^2, 18^2\})$	48
36	$\mathcal{O}(0; \{4^2, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{3, 6, 12^2, 18^2\})$	192
36	$\mathcal{O}(0; \{4^2, 9, 18^3\})$	324
36	$\mathcal{O}(0; \{4, 6, 9^3, 36\})$	648
36	$\mathcal{O}(0; \{3, 9^3, 12, 36\})$	1296
36	$\mathcal{O}(0; \{2^2, 3, 4, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{4, 6^2, 9, 18, 36\})$	144
36	$\mathcal{O}(0; \{2^3, 9, 12, 18, 36\})$	72
36	$\mathcal{O}(0; \{4^2, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{3, 6, 9, 12, 18, 36\})$	288
36	$\mathcal{O}(0; \{3, 4, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{2, 12, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{2^3, 9^2, 36^2\})$	324
36	$\mathcal{O}(0; \{4^2, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{3, 6, 9^2, 36^2\})$	1296
36	$\mathcal{O}(0; \{2^2, 3^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2^3, 6, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{4^2, 6, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 6^2, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 4, 12, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 12^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{2, 9, 18^2, 36^2\})$	1620
36	$\mathcal{O}(0; \{3, 4, 9, 36^3\})$	2592
36	$\mathcal{O}(0; \{2, 9, 12, 36^3\})$	2592
36	$\mathcal{O}(0; \{3^2, 36^4\})$	5184
36	$\mathcal{O}(0; \{2, 6, 36^4\})$	2592
40	$\mathcal{O}(1; \{2^2, 20^2\})$	9600
40	$\mathcal{O}(1; \{20, 40^2\})$	153600
40	$\mathcal{O}(0; \{4, 5^3, 8^2\})$	96
40	$\mathcal{O}(0; \{2, 5, 8^2, 10, 20\})$	96
40	$\mathcal{O}(0; \{2, 4, 8^2, 20^2\})$	128
40	$\mathcal{O}(0; \{2^3, 4, 5, 8, 40\})$	32
40	$\mathcal{O}(0; \{4^3, 5, 8, 40\})$	128
40	$\mathcal{O}(0; \{2, 5, 8^3, 40\})$	256
40	$\mathcal{O}(0; \{2, 4, 8, 10^2, 40\})$	96
40	$\mathcal{O}(0; \{2, 5^2, 8, 20, 40\})$	416
40	$\mathcal{O}(0; \{2, 4, 5, 10, 40^2\})$	416
40	$\mathcal{O}(0; \{2^4, 20, 40^2\})$	96

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{2, 4^2, 20, 40^2\})$	384
40	$\mathcal{O}(0; \{2^2, 40^4\})$	3328
42	$\mathcal{O}(1; \{7, 21^2\})$	79380
42	$\mathcal{O}(1; \{6, 21, 42\})$	21168
42	$\mathcal{O}(0; \{2, 3, 7^2, 14, 21\})$	372
42	$\mathcal{O}(0; \{2^4, 7, 21^2\})$	60
42	$\mathcal{O}(0; \{2, 3, 6, 7, 21^2\})$	180
42	$\mathcal{O}(0; \{2^2, 14^2, 21^2\})$	372
42	$\mathcal{O}(0; \{3^3, 7, 14, 42\})$	180
42	$\mathcal{O}(0; \{2, 3, 6, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{2^3, 3^2, 21, 42\})$	36
42	$\mathcal{O}(0; \{2^4, 6, 21, 42\})$	12
42	$\mathcal{O}(0; \{3^3, 6, 21, 42\})$	132
42	$\mathcal{O}(0; \{2, 3, 6^2, 21, 42\})$	60
42	$\mathcal{O}(0; \{14, 21^3, 42\})$	6660
42	$\mathcal{O}(0; \{2^2, 7, 21, 42^2\})$	372
42	$\mathcal{O}(0; \{14^2, 21, 42^2\})$	2220
42	$\mathcal{O}(0; \{2, 3^2, 42^3\})$	300
42	$\mathcal{O}(0; \{2^2, 6, 42^3\})$	180
42	$\mathcal{O}(0; \{7, 42^4\})$	6660
44	$\mathcal{O}(1; \{4, 11, 44\})$	38720
44	$\mathcal{O}(0; \{2^4, 4, 11, 44\})$	20
44	$\mathcal{O}(0; \{2, 4^3, 11, 44\})$	80
44	$\mathcal{O}(0; \{2^2, 4, 22^2, 44\})$	180
44	$\mathcal{O}(0; \{4, 22, 44^3\})$	7280
45	$\mathcal{O}(0; \{9^2, 15^3\})$	576
45	$\mathcal{O}(0; \{9^3, 15, 45\})$	1296
45	$\mathcal{O}(0; \{5, 9, 15, 45^2\})$	1872
45	$\mathcal{O}(0; \{3, 45^4\})$	16848
48	$\mathcal{O}(1; \{2, 24^2\})$	13824
48	$\mathcal{O}(0; \{6^2, 8, 16^2\})$	64
48	$\mathcal{O}(0; \{4, 6, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{3, 12, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2, 3^3, 16, 48\})$	48
48	$\mathcal{O}(0; \{2^2, 3, 6, 16, 48\})$	16
48	$\mathcal{O}(0; \{6^3, 16, 48\})$	48
48	$\mathcal{O}(0; \{4, 6, 12, 16, 48\})$	64
48	$\mathcal{O}(0; \{3, 12^2, 16, 48\})$	192
48	$\mathcal{O}(0; \{3, 8, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{4, 6, 8, 48^2\})$	128
48	$\mathcal{O}(0; \{3, 8, 12, 48^2\})$	384
48	$\mathcal{O}(0; \{2^3, 24, 48^2\})$	64
48	$\mathcal{O}(0; \{4^2, 24, 48^2\})$	256

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3, 6, 24, 48^2\})$	320
48	$\mathcal{O}(0; \{2, 48^4\})$	3072
50	$\mathcal{O}(0; \{2^3, 10, 25^2\})$	80
50	$\mathcal{O}(0; \{2, 10, 25, 50^2\})$	1200
51	$\mathcal{O}(0; \{3^2, 51^3\})$	2400
54	$\mathcal{O}(0; \{2, 6, 9, 27^2\})$	216
56	$\mathcal{O}(0; \{2, 7, 8^2, 28\})$	48
56	$\mathcal{O}(0; \{2, 7^2, 8, 56\})$	120
56	$\mathcal{O}(0; \{2, 4, 8, 28, 56\})$	96
56	$\mathcal{O}(0; \{2, 4, 7, 56^2\})$	240
58	$\mathcal{O}(2; \emptyset)$	10609200
58	$\mathcal{O}(1; \{2^4\})$	3360
59	$\mathcal{O}(1; \{59^2\})$	201898
60	$\mathcal{O}(1; \{30^2\})$	21600
60	$\mathcal{O}(0; \{3, 4, 5^2, 12\})$	16
60	$\mathcal{O}(0; \{2, 5^2, 12^2\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10, 20\})$	16
60	$\mathcal{O}(0; \{2, 3, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{3, 4^2, 5, 30\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 12, 30\})$	16
60	$\mathcal{O}(0; \{2, 4^2, 30^2\})$	16
60	$\mathcal{O}(0; \{3^3, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 3, 6, 20, 60\})$	16
60	$\mathcal{O}(0; \{2, 3, 5, 60^2\})$	48
60	$\mathcal{O}(0; \{2^2, 30, 60^2\})$	48
60	$\mathcal{O}(0; \{60^4\})$	2496
63	$\mathcal{O}(0; \{9, 63^3\})$	4860
64	$\mathcal{O}(0; \{8, 32, 64^2\})$	2048
66	$\mathcal{O}(0; \{2, 3^2, 22, 33\})$	20
66	$\mathcal{O}(0; \{2^2, 6, 22, 33\})$	20
66	$\mathcal{O}(0; \{6, 33^2, 66\})$	540
66	$\mathcal{O}(0; \{6, 22, 66^2\})$	180
68	$\mathcal{O}(0; \{2^2, 4, 34, 68\})$	32
68	$\mathcal{O}(0; \{4, 68^3\})$	1920
70	$\mathcal{O}(0; \{10^2, 14^2\})$	24
70	$\mathcal{O}(0; \{7, 10, 14, 35\})$	120
70	$\mathcal{O}(0; \{5, 10, 35, 70\})$	312
72	$\mathcal{O}(0; \{8, 9^2, 24\})$	48
72	$\mathcal{O}(0; \{8^2, 9, 36\})$	48
72	$\mathcal{O}(0; \{4, 9, 72^2\})$	144
72	$\mathcal{O}(0; \{3, 36, 72^2\})$	288
75	$\mathcal{O}(0; \{3, 15, 25, 75\})$	160
80	$\mathcal{O}(0; \{2, 40, 80^2\})$	384

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Table 9 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
84	$\mathcal{O}(0; \{3, 4, 42, 84\})$	24
84	$\mathcal{O}(0; \{2, 12, 42, 84\})$	24
87	$\mathcal{O}(1; \{3^2\})$	15120
88	$\mathcal{O}(0; \{2, 8, 22, 88\})$	40
90	$\mathcal{O}(0; \{2, 6, 45^2\})$	48
102	$\mathcal{O}(0; \{2, 3, 51, 102\})$	32
116	$\mathcal{O}(1; \{2^2\})$	10080
118	$\mathcal{O}(0; \{2^2, 118^2\})$	58
119	$\mathcal{O}(0; \{119^3\})$	7200
120	$\mathcal{O}(0; \{60, 120^2\})$	192
126	$\mathcal{O}(0; \{18, 63, 126\})$	108
132	$\mathcal{O}(0; \{12, 44, 66\})$	40
132	$\mathcal{O}(0; \{12, 33, 132\})$	40
136	$\mathcal{O}(0; \{8, 68, 136\})$	128
177	$\mathcal{O}(0; \{3, 177^2\})$	116
236	$\mathcal{O}(0; \{2, 236^2\})$	116
238	$\mathcal{O}(0; \{2, 119, 238\})$	96

Table 10: 60-admissible orbifolds.

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(60; \emptyset)$	1
2	$\mathcal{O}(30; \{2^2\})$	1152921504606846976
2	$\mathcal{O}(29; \{2^6\})$	288230376151711744
2	$\mathcal{O}(28; \{2^{10}\})$	72057594037927936
2	$\mathcal{O}(27; \{2^{14}\})$	18014398509481984
2	$\mathcal{O}(26; \{2^{18}\})$	4503599627370496
2	$\mathcal{O}(25; \{2^{22}\})$	1125899906842624
2	$\mathcal{O}(24; \{2^{26}\})$	281474976710656
2	$\mathcal{O}(23; \{2^{30}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{34}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{38}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{42}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{46}\})$	274877906944
2	$\mathcal{O}(18; \{2^{50}\})$	68719476736
2	$\mathcal{O}(17; \{2^{54}\})$	17179869184
2	$\mathcal{O}(16; \{2^{58}\})$	4294967296
2	$\mathcal{O}(15; \{2^{62}\})$	1073741824
2	$\mathcal{O}(14; \{2^{66}\})$	268435456
2	$\mathcal{O}(13; \{2^{70}\})$	67108864

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(12; \{2^{74}\})$	16777216
2	$\mathcal{O}(11; \{2^{78}\})$	4194304
2	$\mathcal{O}(10; \{2^{82}\})$	1048576
2	$\mathcal{O}(9; \{2^{86}\})$	262144
2	$\mathcal{O}(8; \{2^{90}\})$	65536
2	$\mathcal{O}(7; \{2^{94}\})$	16384
2	$\mathcal{O}(6; \{2^{98}\})$	4096
2	$\mathcal{O}(5; \{2^{102}\})$	1024
2	$\mathcal{O}(4; \{2^{106}\})$	256
2	$\mathcal{O}(3; \{2^{110}\})$	64
2	$\mathcal{O}(2; \{2^{114}\})$	16
2	$\mathcal{O}(1; \{2^{118}\})$	4
2	$\mathcal{O}(0; \{2^{122}\})$	1
3	$\mathcal{O}(20; \{3^2\})$	24315330918113857602
3	$\mathcal{O}(19; \{3^5\})$	13508517176729920890
3	$\mathcal{O}(18; \{3^8\})$	12908138635541924406
3	$\mathcal{O}(17; \{3^{11}\})$	11373837919172600058
3	$\mathcal{O}(16; \{3^{14}\})$	10121196271508755542
3	$\mathcal{O}(15; \{3^{17}\})$	8995383561215214810
3	$\mathcal{O}(14; \{3^{20}\})$	7996033759612698486
3	$\mathcal{O}(13; \{3^{23}\})$	7107570312905206458
3	$\mathcal{O}(12; \{3^{26}\})$	6317841972715180182
3	$\mathcal{O}(11; \{3^{29}\})$	5615859343016024730
3	$\mathcal{O}(10; \{3^{32}\})$	4991874992490506166
3	$\mathcal{O}(9; \{3^{35}\})$	4437222213222593658
3	$\mathcal{O}(8; \{3^{38}\})$	3944197523122808022
3	$\mathcal{O}(7; \{3^{41}\})$	3505953353858242650
3	$\mathcal{O}(6; \{3^{44}\})$	3116402981210515446
3	$\mathcal{O}(5; \{3^{47}\})$	2770135983297881658
3	$\mathcal{O}(4; \{3^{50}\})$	2462343096264823062
3	$\mathcal{O}(3; \{3^{53}\})$	2188749418902060570
3	$\mathcal{O}(2; \{3^{56}\})$	1945555039024054326
3	$\mathcal{O}(1; \{3^{59}\})$	1729382256910270458
3	$\mathcal{O}(0; \{3^{62}\})$	1537228672809129302
4	$\mathcal{O}(15; \{4^2\})$	2305843009213693952
4	$\mathcal{O}(14; \{2^4, 4^2\})$	144115188075855872
4	$\mathcal{O}(14; \{2, 4^4\})$	576460752303423488
4	$\mathcal{O}(13; \{2^8, 4^2\})$	9007199254740992
4	$\mathcal{O}(13; \{2^5, 4^4\})$	36028797018963968
4	$\mathcal{O}(13; \{2^2, 4^6\})$	144115188075855872
4	$\mathcal{O}(12; \{2^{12}, 4^2\})$	562949953421312
4	$\mathcal{O}(12; \{2^9, 4^4\})$	2251799813685248
4	$\mathcal{O}(12; \{2^6, 4^6\})$	9007199254740992

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(12; \{2^3, 4^8\})$	36028797018963968
4	$\mathcal{O}(12; \{4^{10}\})$	144115188075855872
4	$\mathcal{O}(11; \{2^{16}, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^{13}, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{2^{10}, 4^6\})$	562949953421312
4	$\mathcal{O}(11; \{2^7, 4^8\})$	2251799813685248
4	$\mathcal{O}(11; \{2^4, 4^{10}\})$	9007199254740992
4	$\mathcal{O}(11; \{2, 4^{12}\})$	36028797018963968
4	$\mathcal{O}(10; \{2^{20}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^{17}, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^{14}, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2^{11}, 4^8\})$	140737488355328
4	$\mathcal{O}(10; \{2^8, 4^{10}\})$	562949953421312
4	$\mathcal{O}(10; \{2^5, 4^{12}\})$	2251799813685248
4	$\mathcal{O}(10; \{2^2, 4^{14}\})$	9007199254740992
4	$\mathcal{O}(9; \{2^{24}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{21}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^{18}, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^{15}, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^{12}, 4^{10}\})$	35184372088832
4	$\mathcal{O}(9; \{2^9, 4^{12}\})$	140737488355328
4	$\mathcal{O}(9; \{2^6, 4^{14}\})$	562949953421312
4	$\mathcal{O}(9; \{2^3, 4^{16}\})$	2251799813685248
4	$\mathcal{O}(9; \{4^{18}\})$	9007199254740992
4	$\mathcal{O}(8; \{2^{28}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{25}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{22}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^{19}, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^{16}, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2^{13}, 4^{12}\})$	8796093022208
4	$\mathcal{O}(8; \{2^{10}, 4^{14}\})$	35184372088832
4	$\mathcal{O}(8; \{2^7, 4^{16}\})$	140737488355328
4	$\mathcal{O}(8; \{2^4, 4^{18}\})$	562949953421312
4	$\mathcal{O}(8; \{2, 4^{20}\})$	2251799813685248
4	$\mathcal{O}(7; \{2^{32}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{29}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{26}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{23}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^{20}, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^{17}, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^{14}, 4^{14}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{11}, 4^{16}\})$	8796093022208
4	$\mathcal{O}(7; \{2^8, 4^{18}\})$	35184372088832

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^5, 4^{20}\})$	140737488355328
4	$\mathcal{O}(7; \{2^2, 4^{22}\})$	562949953421312
4	$\mathcal{O}(6; \{2^{36}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{33}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{30}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{27}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{24}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^{21}, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^{18}, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^{15}, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{2^{12}, 4^{18}\})$	2199023255552
4	$\mathcal{O}(6; \{2^9, 4^{20}\})$	8796093022208
4	$\mathcal{O}(6; \{2^6, 4^{22}\})$	35184372088832
4	$\mathcal{O}(6; \{2^3, 4^{24}\})$	140737488355328
4	$\mathcal{O}(6; \{4^{26}\})$	562949953421312
4	$\mathcal{O}(5; \{2^{40}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{37}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{34}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{31}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{28}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{25}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{22}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^{19}, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^{16}, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^{13}, 4^{20}\})$	549755813888
4	$\mathcal{O}(5; \{2^{10}, 4^{22}\})$	2199023255552
4	$\mathcal{O}(5; \{2^7, 4^{24}\})$	8796093022208
4	$\mathcal{O}(5; \{2^4, 4^{26}\})$	35184372088832
4	$\mathcal{O}(5; \{2, 4^{28}\})$	140737488355328
4	$\mathcal{O}(4; \{2^{44}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{41}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{38}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{35}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{32}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{29}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{26}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{23}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^{20}, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^{17}, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^{14}, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{2^{11}, 4^{24}\})$	549755813888
4	$\mathcal{O}(4; \{2^8, 4^{26}\})$	2199023255552
4	$\mathcal{O}(4; \{2^5, 4^{28}\})$	8796093022208

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^2, 4^{30}\})$	35184372088832
4	$\mathcal{O}(3; \{2^{48}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{45}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{42}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{39}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{36}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{33}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{30}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{27}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{24}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{21}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^{18}, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^{15}, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^{12}, 4^{26}\})$	137438953472
4	$\mathcal{O}(3; \{2^9, 4^{28}\})$	549755813888
4	$\mathcal{O}(3; \{2^6, 4^{30}\})$	2199023255552
4	$\mathcal{O}(3; \{2^3, 4^{32}\})$	8796093022208
4	$\mathcal{O}(3; \{4^{34}\})$	35184372088832
4	$\mathcal{O}(2; \{2^{52}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{49}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{46}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{43}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{40}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{37}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{34}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{31}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{28}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{25}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{22}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^{19}, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^{16}, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^{13}, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{2^{10}, 4^{30}\})$	137438953472
4	$\mathcal{O}(2; \{2^7, 4^{32}\})$	549755813888
4	$\mathcal{O}(2; \{2^4, 4^{34}\})$	2199023255552
4	$\mathcal{O}(2; \{2, 4^{36}\})$	8796093022208
4	$\mathcal{O}(1; \{2^{56}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{53}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{50}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{47}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{44}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{41}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{38}, 4^{14}\})$	131072

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{35}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{32}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{29}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{26}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{23}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{20}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^{17}, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^{14}, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2^{11}, 4^{32}\})$	34359738368
4	$\mathcal{O}(1; \{2^8, 4^{34}\})$	137438953472
4	$\mathcal{O}(1; \{2^5, 4^{36}\})$	549755813888
4	$\mathcal{O}(1; \{2^2, 4^{38}\})$	2199023255552
4	$\mathcal{O}(0; \{2^{60}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{57}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{54}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{51}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{48}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{45}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{42}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{39}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{36}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{33}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{30}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{27}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{24}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{21}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^{18}, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^{15}, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^{12}, 4^{34}\})$	8589934592
4	$\mathcal{O}(0; \{2^9, 4^{36}\})$	34359738368
4	$\mathcal{O}(0; \{2^6, 4^{38}\})$	137438953472
4	$\mathcal{O}(0; \{2^3, 4^{40}\})$	549755813888
4	$\mathcal{O}(0; \{4^{42}\})$	2199023255552
5	$\mathcal{O}(12; \{5^2\})$	238418579101562500
5	$\mathcal{O}(10; \{5^7\})$	312423706054687500
5	$\mathcal{O}(8; \{5^{12}\})$	512000122070312500
5	$\mathcal{O}(6; \{5^{17}\})$	838860799804687500
5	$\mathcal{O}(4; \{5^{22}\})$	1374389534720312500
5	$\mathcal{O}(2; \{5^{27}\})$	2251799813685247500
5	$\mathcal{O}(0; \{5^{32}\})$	3689348814741910324
6	$\mathcal{O}(10; \{6^2\})$	7312316880125952
6	$\mathcal{O}(9; \{2^2, 3^4\})$	609359740010496
6	$\mathcal{O}(9; \{2^3, 3^2, 6\})$	203119913336832

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(9; \{2^4, 6^2\})$	203119913336832
6	$\mathcal{O}(9; \{3^3, 6^2\})$	1015599566684160
6	$\mathcal{O}(9; \{2, 3, 6^3\})$	609359740010496
6	$\mathcal{O}(8; \{2^6, 3^4\})$	16926659444736
6	$\mathcal{O}(8; \{2^2, 3^7\})$	118486616113152
6	$\mathcal{O}(8; \{2^7, 3^2, 6\})$	5642219814912
6	$\mathcal{O}(8; \{2^3, 3^5, 6\})$	62064417964032
6	$\mathcal{O}(8; \{2^8, 6^2\})$	5642219814912
6	$\mathcal{O}(8; \{2^4, 3^3, 6^2\})$	28211099074560
6	$\mathcal{O}(8; \{3^6, 6^2\})$	242615452041216
6	$\mathcal{O}(8; \{2^5, 3, 6^3\})$	16926659444736
6	$\mathcal{O}(8; \{2, 3^4, 6^3\})$	118486616113152
6	$\mathcal{O}(8; \{2^2, 3^2, 6^4\})$	62064417964032
6	$\mathcal{O}(8; \{2^3, 6^5\})$	28211099074560
6	$\mathcal{O}(8; \{3, 6^6\})$	118486616113152
6	$\mathcal{O}(7; \{2^{10}, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^6, 3^7\})$	3291294892032
6	$\mathcal{O}(7; \{2^2, 3^{10}\})$	26800544120832
6	$\mathcal{O}(7; \{2^{11}, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^7, 3^5, 6\})$	1724011610112
6	$\mathcal{O}(7; \{2^3, 3^8, 6\})$	13321907896320
6	$\mathcal{O}(7; \{2^{12}, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{2^8, 3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2^4, 3^6, 6^2\})$	6739318112256
6	$\mathcal{O}(7; \{3^9, 6^2\})$	53444359913472
6	$\mathcal{O}(7; \{2^9, 3, 6^3\})$	470184984576
6	$\mathcal{O}(7; \{2^5, 3^4, 6^3\})$	3291294892032
6	$\mathcal{O}(7; \{2, 3^7, 6^3\})$	26800544120832
6	$\mathcal{O}(7; \{2^6, 3^2, 6^4\})$	1724011610112
6	$\mathcal{O}(7; \{2^2, 3^5, 6^4\})$	13321907896320
6	$\mathcal{O}(7; \{2^7, 6^5\})$	783641640960
6	$\mathcal{O}(7; \{2^3, 3^3, 6^5\})$	6739318112256
6	$\mathcal{O}(7; \{2^4, 3, 6^6\})$	3291294892032
6	$\mathcal{O}(7; \{3^4, 6^6\})$	26800544120832
6	$\mathcal{O}(7; \{2, 3^2, 6^7\})$	13321907896320
6	$\mathcal{O}(7; \{2^2, 6^8\})$	6739318112256
6	$\mathcal{O}(6; \{2^{14}, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^{10}, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^6, 3^{10}\})$	744459558912
6	$\mathcal{O}(6; \{2^2, 3^{13}\})$	5942615777280
6	$\mathcal{O}(6; \{2^{15}, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^{11}, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^7, 3^8, 6\})$	370052997120

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^3, 3^{11}, 6\})$	2973484670976
6	$\mathcal{O}(6; \{2^{16}, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^{12}, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^8, 3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^4, 3^9, 6^2\})$	1484565553152
6	$\mathcal{O}(6; \{3^{12}, 6^2\})$	11889585119232
6	$\mathcal{O}(6; \{2^{13}, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2^9, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^5, 3^7, 6^3\})$	744459558912
6	$\mathcal{O}(6; \{2, 3^{10}, 6^3\})$	5942615777280
6	$\mathcal{O}(6; \{2^{10}, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^6, 3^5, 6^4\})$	370052997120
6	$\mathcal{O}(6; \{2^2, 3^8, 6^4\})$	2973484670976
6	$\mathcal{O}(6; \{2^{11}, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{2^7, 3^3, 6^5\})$	187203280896
6	$\mathcal{O}(6; \{2^3, 3^6, 6^5\})$	1484565553152
6	$\mathcal{O}(6; \{2^8, 3, 6^6\})$	91424858112
6	$\mathcal{O}(6; \{2^4, 3^4, 6^6\})$	744459558912
6	$\mathcal{O}(6; \{3^7, 6^6\})$	5942615777280
6	$\mathcal{O}(6; \{2^5, 3^2, 6^7\})$	370052997120
6	$\mathcal{O}(6; \{2, 3^5, 6^7\})$	2973484670976
6	$\mathcal{O}(6; \{2^6, 6^8\})$	187203280896
6	$\mathcal{O}(6; \{2^2, 3^3, 6^8\})$	1484565553152
6	$\mathcal{O}(6; \{2^3, 3, 6^9\})$	744459558912
6	$\mathcal{O}(6; \{3^2, 6^{10}\})$	2973484670976
6	$\mathcal{O}(6; \{2, 6^{11}\})$	1484565553152
6	$\mathcal{O}(5; \{2^{18}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^{14}, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^{10}, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^6, 3^{13}\})$	165072660480
6	$\mathcal{O}(5; \{2^2, 3^{16}\})$	1320944080896
6	$\mathcal{O}(5; \{2^{19}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^{15}, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^{11}, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^7, 3^{11}, 6\})$	82596796416
6	$\mathcal{O}(5; \{2^3, 3^{14}, 6\})$	660411574272
6	$\mathcal{O}(5; \{2^{20}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^{16}, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^{12}, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^8, 3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^4, 3^{12}, 6^2\})$	330266253312
6	$\mathcal{O}(5; \{3^{15}, 6^2\})$	2641767229440
6	$\mathcal{O}(5; \{2^{17}, 3, 6^3\})$	362797056

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^{13}, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^9, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^5, 3^{10}, 6^3\})$	165072660480
6	$\mathcal{O}(5; \{2, 3^{13}, 6^3\})$	1320944080896
6	$\mathcal{O}(5; \{2^{14}, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^{10}, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^6, 3^8, 6^4\})$	82596796416
6	$\mathcal{O}(5; \{2^2, 3^{11}, 6^4\})$	660411574272
6	$\mathcal{O}(5; \{2^{15}, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^{11}, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^7, 3^6, 6^5\})$	41237932032
6	$\mathcal{O}(5; \{2^3, 3^9, 6^5\})$	330266253312
6	$\mathcal{O}(5; \{2^{12}, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{2^8, 3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2^4, 3^7, 6^6\})$	165072660480
6	$\mathcal{O}(5; \{3^{10}, 6^6\})$	1320944080896
6	$\mathcal{O}(5; \{2^9, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 3^5, 6^7\})$	82596796416
6	$\mathcal{O}(5; \{2, 3^8, 6^7\})$	660411574272
6	$\mathcal{O}(5; \{2^{10}, 6^8\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^3, 6^8\})$	41237932032
6	$\mathcal{O}(5; \{2^2, 3^6, 6^8\})$	330266253312
6	$\mathcal{O}(5; \{2^7, 3, 6^9\})$	20679432192
6	$\mathcal{O}(5; \{2^3, 3^4, 6^9\})$	165072660480
6	$\mathcal{O}(5; \{2^4, 3^2, 6^{10}\})$	82596796416
6	$\mathcal{O}(5; \{3^5, 6^{10}\})$	660411574272
6	$\mathcal{O}(5; \{2^5, 6^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2, 3^3, 6^{11}\})$	330266253312
6	$\mathcal{O}(5; \{2^2, 3, 6^{12}\})$	165072660480
6	$\mathcal{O}(5; \{6^{14}\})$	330266253312
6	$\mathcal{O}(4; \{2^{22}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{18}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^{14}, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{10}, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^6, 3^{16}\})$	36692891136
6	$\mathcal{O}(4; \{2^2, 3^{19}\})$	293533051392
6	$\mathcal{O}(4; \{2^{23}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{19}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^{15}, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{11}, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^7, 3^{14}, 6\})$	18344765952
6	$\mathcal{O}(4; \{2^3, 3^{17}, 6\})$	146768205312
6	$\mathcal{O}(4; \{2^{24}, 6^2\})$	3359232

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^{20}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^{16}, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^{12}, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^8, 3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^4, 3^{15}, 6^2\})$	73382423040
6	$\mathcal{O}(4; \{3^{18}, 6^2\})$	587069462016
6	$\mathcal{O}(4; \{2^{21}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^{17}, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^{13}, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^9, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^5, 3^{13}, 6^3\})$	36692891136
6	$\mathcal{O}(4; \{2, 3^{16}, 6^3\})$	293533051392
6	$\mathcal{O}(4; \{2^{18}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^{14}, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^{10}, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^6, 3^{11}, 6^4\})$	18344765952
6	$\mathcal{O}(4; \{2^2, 3^{14}, 6^4\})$	146768205312
6	$\mathcal{O}(4; \{2^{19}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^{15}, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^{11}, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^7, 3^9, 6^5\})$	9174062592
6	$\mathcal{O}(4; \{2^3, 3^{12}, 6^5\})$	73382423040
6	$\mathcal{O}(4; \{2^{16}, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^{12}, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^8, 3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^4, 3^{10}, 6^6\})$	36692891136
6	$\mathcal{O}(4; \{3^{13}, 6^6\})$	293533051392
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^9, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^5, 3^8, 6^7\})$	18344765952
6	$\mathcal{O}(4; \{2, 3^{11}, 6^7\})$	146768205312
6	$\mathcal{O}(4; \{2^{14}, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3^6, 6^8\})$	9174062592
6	$\mathcal{O}(4; \{2^2, 3^9, 6^8\})$	73382423040
6	$\mathcal{O}(4; \{2^{11}, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3^4, 6^9\})$	4585351680
6	$\mathcal{O}(4; \{2^3, 3^7, 6^9\})$	36692891136
6	$\mathcal{O}(4; \{2^8, 3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2^4, 3^5, 6^{10}\})$	18344765952
6	$\mathcal{O}(4; \{3^8, 6^{10}\})$	146768205312
6	$\mathcal{O}(4; \{2^9, 6^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^3, 6^{11}\})$	9174062592

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2, 3^6, 6^{11}\})$	73382423040
6	$\mathcal{O}(4; \{2^6, 3, 6^{12}\})$	4585351680
6	$\mathcal{O}(4; \{2^2, 3^4, 6^{12}\})$	36692891136
6	$\mathcal{O}(4; \{2^3, 3^2, 6^{13}\})$	18344765952
6	$\mathcal{O}(4; \{2^4, 6^{14}\})$	9174062592
6	$\mathcal{O}(4; \{3^3, 6^{14}\})$	73382423040
6	$\mathcal{O}(4; \{2, 3, 6^{15}\})$	36692891136
6	$\mathcal{O}(3; \{2^{26}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{22}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{18}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^{14}, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{10}, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^6, 3^{19}\})$	8153695872
6	$\mathcal{O}(3; \{2^2, 3^{22}\})$	65229846912
6	$\mathcal{O}(3; \{2^{27}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{23}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{19}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^{15}, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{11}, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^7, 3^{17}, 6\})$	4076894592
6	$\mathcal{O}(3; \{2^3, 3^{20}, 6\})$	32614876800
6	$\mathcal{O}(3; \{2^{28}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{24}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{20}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^{16}, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^{12}, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^8, 3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^4, 3^{18}, 6^2\})$	16307485056
6	$\mathcal{O}(3; \{3^{21}, 6^2\})$	130459600512
6	$\mathcal{O}(3; \{2^{25}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{21}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^{17}, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^{13}, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^9, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^5, 3^{16}, 6^3\})$	8153695872
6	$\mathcal{O}(3; \{2, 3^{19}, 6^3\})$	65229846912
6	$\mathcal{O}(3; \{2^{22}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{18}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^{14}, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{2^{10}, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^6, 3^{14}, 6^4\})$	4076894592
6	$\mathcal{O}(3; \{2^2, 3^{17}, 6^4\})$	32614876800
6	$\mathcal{O}(3; \{2^{23}, 6^5\})$	466560

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{19}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^{15}, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^{11}, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^7, 3^{12}, 6^5\})$	2038400640
6	$\mathcal{O}(3; \{2^3, 3^{15}, 6^5\})$	16307485056
6	$\mathcal{O}(3; \{2^{20}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^{16}, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^{12}, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^8, 3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^4, 3^{13}, 6^6\})$	8153695872
6	$\mathcal{O}(3; \{3^{16}, 6^6\})$	65229846912
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^9, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6^7\})$	4076894592
6	$\mathcal{O}(3; \{2, 3^{14}, 6^7\})$	32614876800
6	$\mathcal{O}(3; \{2^{18}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^9, 6^8\})$	2038400640
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^8\})$	16307485056
6	$\mathcal{O}(3; \{2^{15}, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^7, 6^9\})$	1019246976
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^9\})$	8153695872
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^4, 3^8, 6^{10}\})$	4076894592
6	$\mathcal{O}(3; \{3^{11}, 6^{10}\})$	32614876800
6	$\mathcal{O}(3; \{2^{13}, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^9, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3^6, 6^{11}\})$	2038400640
6	$\mathcal{O}(3; \{2, 3^9, 6^{11}\})$	16307485056
6	$\mathcal{O}(3; \{2^{10}, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3^4, 6^{12}\})$	1019246976
6	$\mathcal{O}(3; \{2^2, 3^7, 6^{12}\})$	8153695872
6	$\mathcal{O}(3; \{2^7, 3^2, 6^{13}\})$	509576832
6	$\mathcal{O}(3; \{2^3, 3^5, 6^{13}\})$	4076894592
6	$\mathcal{O}(3; \{2^8, 6^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^4, 3^3, 6^{14}\})$	2038400640
6	$\mathcal{O}(3; \{3^6, 6^{14}\})$	16307485056
6	$\mathcal{O}(3; \{2^5, 3, 6^{15}\})$	1019246976
6	$\mathcal{O}(3; \{2, 3^4, 6^{15}\})$	8153695872

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{16}\})$	4076894592
6	$\mathcal{O}(3; \{2^3, 6^{17}\})$	2038400640
6	$\mathcal{O}(3; \{3, 6^{18}\})$	8153695872
6	$\mathcal{O}(2; \{2^{30}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{26}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{22}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{18}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^{14}, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^{10}, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^6, 3^{22}\})$	1811940192
6	$\mathcal{O}(2; \{2^2, 3^{25}\})$	14495513760
6	$\mathcal{O}(2; \{2^{31}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{27}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{23}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{19}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^{15}, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^{11}, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^7, 3^{20}, 6\})$	905968800
6	$\mathcal{O}(2; \{2^3, 3^{23}, 6\})$	7247758176
6	$\mathcal{O}(2; \{2^{32}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{28}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{24}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{20}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^{16}, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^{12}, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^8, 3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^4, 3^{21}, 6^2\})$	3623877792
6	$\mathcal{O}(2; \{3^{24}, 6^2\})$	28991030112
6	$\mathcal{O}(2; \{2^{29}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{25}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{21}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^{17}, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^{13}, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^9, 3^{16}, 6^3\})$	226491552
6	$\mathcal{O}(2; \{2^5, 3^{19}, 6^3\})$	1811940192
6	$\mathcal{O}(2; \{2, 3^{22}, 6^3\})$	14495513760
6	$\mathcal{O}(2; \{2^{26}, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^{22}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^{18}, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^{14}, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{2^{10}, 3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^6, 3^{17}, 6^4\})$	905968800
6	$\mathcal{O}(2; \{2^2, 3^{20}, 6^4\})$	7247758176

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{27}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{23}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^{19}, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^{15}, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2^{11}, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^7, 3^{15}, 6^5\})$	452985696
6	$\mathcal{O}(2; \{2^3, 3^{18}, 6^5\})$	3623877792
6	$\mathcal{O}(2; \{2^{24}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{20}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^{16}, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^{12}, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^8, 3^{13}, 6^6\})$	226491552
6	$\mathcal{O}(2; \{2^4, 3^{16}, 6^6\})$	1811940192
6	$\mathcal{O}(2; \{3^{19}, 6^6\})$	14495513760
6	$\mathcal{O}(2; \{2^{21}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^{17}, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^{13}, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^9, 3^{11}, 6^7\})$	113247072
6	$\mathcal{O}(2; \{2^5, 3^{14}, 6^7\})$	905968800
6	$\mathcal{O}(2; \{2, 3^{17}, 6^7\})$	7247758176
6	$\mathcal{O}(2; \{2^{22}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^{18}, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^{14}, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{2^{10}, 3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^6, 3^{12}, 6^8\})$	452985696
6	$\mathcal{O}(2; \{2^2, 3^{15}, 6^8\})$	3623877792
6	$\mathcal{O}(2; \{2^{19}, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^{15}, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2^{11}, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3^{10}, 6^9\})$	226491552
6	$\mathcal{O}(2; \{2^3, 3^{13}, 6^9\})$	1811940192
6	$\mathcal{O}(2; \{2^{16}, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^{12}, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^8, 3^8, 6^{10}\})$	113247072
6	$\mathcal{O}(2; \{2^4, 3^{11}, 6^{10}\})$	905968800
6	$\mathcal{O}(2; \{3^{14}, 6^{10}\})$	7247758176
6	$\mathcal{O}(2; \{2^{17}, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{13}, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^9, 3^6, 6^{11}\})$	56622240
6	$\mathcal{O}(2; \{2^5, 3^9, 6^{11}\})$	452985696
6	$\mathcal{O}(2; \{2, 3^{12}, 6^{11}\})$	3623877792
6	$\mathcal{O}(2; \{2^{14}, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{2^{10}, 3^4, 6^{12}\})$	28312416

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^6, 3^7, 6^{12}\})$	226491552
6	$\mathcal{O}(2; \{2^2, 3^{10}, 6^{12}\})$	1811940192
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^7, 3^5, 6^{13}\})$	113247072
6	$\mathcal{O}(2; \{2^3, 3^8, 6^{13}\})$	905968800
6	$\mathcal{O}(2; \{2^{12}, 6^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^3, 6^{14}\})$	56622240
6	$\mathcal{O}(2; \{2^4, 3^6, 6^{14}\})$	452985696
6	$\mathcal{O}(2; \{3^9, 6^{14}\})$	3623877792
6	$\mathcal{O}(2; \{2^9, 3, 6^{15}\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3^4, 6^{15}\})$	226491552
6	$\mathcal{O}(2; \{2, 3^7, 6^{15}\})$	1811940192
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{16}\})$	113247072
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{16}\})$	905968800
6	$\mathcal{O}(2; \{2^7, 6^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{17}\})$	452985696
6	$\mathcal{O}(2; \{2^4, 3, 6^{18}\})$	226491552
6	$\mathcal{O}(2; \{3^4, 6^{18}\})$	1811940192
6	$\mathcal{O}(2; \{2, 3^2, 6^{19}\})$	905968800
6	$\mathcal{O}(2; \{2^2, 6^{20}\})$	452985696
6	$\mathcal{O}(1; \{2^{34}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{30}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{26}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{22}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{18}, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^{14}, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{2^{10}, 3^{22}\})$	50331672
6	$\mathcal{O}(1; \{2^6, 3^{25}\})$	402653160
6	$\mathcal{O}(1; \{2^2, 3^{28}\})$	3221225496
6	$\mathcal{O}(1; \{2^{35}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{31}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{27}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{23}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{19}, 3^{14}, 6\})$	393192
6	$\mathcal{O}(1; \{2^{15}, 3^{17}, 6\})$	3145752
6	$\mathcal{O}(1; \{2^{11}, 3^{20}, 6\})$	25165800
6	$\mathcal{O}(1; \{2^7, 3^{23}, 6\})$	201326616
6	$\mathcal{O}(1; \{2^3, 3^{26}, 6\})$	1610612712
6	$\mathcal{O}(1; \{2^{36}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{32}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^{28}, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^{24}, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{20}, 3^{12}, 6^2\})$	196632

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{16}, 3^{15}, 6^2\})$	1572840
6	$\mathcal{O}(1; \{2^{12}, 3^{18}, 6^2\})$	12582936
6	$\mathcal{O}(1; \{2^8, 3^{21}, 6^2\})$	100663272
6	$\mathcal{O}(1; \{2^4, 3^{24}, 6^2\})$	805306392
6	$\mathcal{O}(1; \{3^{27}, 6^2\})$	6442450920
6	$\mathcal{O}(1; \{2^{33}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^{29}, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^{25}, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^{21}, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{17}, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2^{13}, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^9, 3^{19}, 6^3\})$	50331672
6	$\mathcal{O}(1; \{2^5, 3^{22}, 6^3\})$	402653160
6	$\mathcal{O}(1; \{2, 3^{25}, 6^3\})$	3221225496
6	$\mathcal{O}(1; \{2^{30}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{26}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{22}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{18}, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^{14}, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{10}, 3^{17}, 6^4\})$	25165800
6	$\mathcal{O}(1; \{2^6, 3^{20}, 6^4\})$	201326616
6	$\mathcal{O}(1; \{2^2, 3^{23}, 6^4\})$	1610612712
6	$\mathcal{O}(1; \{2^{31}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{27}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{23}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^{19}, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^{15}, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{11}, 3^{15}, 6^5\})$	12582936
6	$\mathcal{O}(1; \{2^7, 3^{18}, 6^5\})$	100663272
6	$\mathcal{O}(1; \{2^3, 3^{21}, 6^5\})$	805306392
6	$\mathcal{O}(1; \{2^{28}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{24}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^{20}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^{16}, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^{12}, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^8, 3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^4, 3^{19}, 6^6\})$	402653160
6	$\mathcal{O}(1; \{3^{22}, 6^6\})$	3221225496
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^9, 3^{14}, 6^7\})$	25165800

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^{17}, 6^7\})$	201326616
6	$\mathcal{O}(1; \{2, 3^{20}, 6^7\})$	1610612712
6	$\mathcal{O}(1; \{2^{26}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{22}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{18}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^{14}, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{10}, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^{15}, 6^8\})$	100663272
6	$\mathcal{O}(1; \{2^2, 3^{18}, 6^8\})$	805306392
6	$\mathcal{O}(1; \{2^{23}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{19}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^{11}, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^{13}, 6^9\})$	50331672
6	$\mathcal{O}(1; \{2^3, 3^{16}, 6^9\})$	402653160
6	$\mathcal{O}(1; \{2^{20}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^{12}, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^4, 3^{14}, 6^{10}\})$	201326616
6	$\mathcal{O}(1; \{3^{17}, 6^{10}\})$	1610612712
6	$\mathcal{O}(1; \{2^{21}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{17}, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^9, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3^{12}, 6^{11}\})$	100663272
6	$\mathcal{O}(1; \{2, 3^{15}, 6^{11}\})$	805306392
6	$\mathcal{O}(1; \{2^{18}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^{10}, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3^{10}, 6^{12}\})$	50331672
6	$\mathcal{O}(1; \{2^2, 3^{13}, 6^{12}\})$	402653160
6	$\mathcal{O}(1; \{2^{15}, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^{11}, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3^8, 6^{13}\})$	25165800
6	$\mathcal{O}(1; \{2^3, 3^{11}, 6^{13}\})$	201326616
6	$\mathcal{O}(1; \{2^{16}, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{12}, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^4, 3^9, 6^{14}\})$	100663272
6	$\mathcal{O}(1; \{3^{12}, 6^{14}\})$	805306392
6	$\mathcal{O}(1; \{2^{13}, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2^9, 3^4, 6^{15}\})$	6291432

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^7, 6^{15}\})$	50331672
6	$\mathcal{O}(1; \{2, 3^{10}, 6^{15}\})$	402653160
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{16}\})$	25165800
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{16}\})$	201326616
6	$\mathcal{O}(1; \{2^{11}, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{17}\})$	12582936
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{17}\})$	100663272
6	$\mathcal{O}(1; \{2^8, 3, 6^{18}\})$	6291432
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{18}\})$	50331672
6	$\mathcal{O}(1; \{3^7, 6^{18}\})$	402653160
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{19}\})$	25165800
6	$\mathcal{O}(1; \{2, 3^5, 6^{19}\})$	201326616
6	$\mathcal{O}(1; \{2^6, 6^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{20}\})$	100663272
6	$\mathcal{O}(1; \{2^3, 3, 6^{21}\})$	50331672
6	$\mathcal{O}(1; \{3^2, 6^{22}\})$	201326616
6	$\mathcal{O}(1; \{2, 6^{23}\})$	100663272
6	$\mathcal{O}(0; \{2^{38}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{34}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{30}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{26}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{22}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{18}, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^{14}, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{10}, 3^{25}\})$	11184810
6	$\mathcal{O}(0; \{2^6, 3^{28}\})$	89478486
6	$\mathcal{O}(0; \{2^2, 3^{31}\})$	715827882
6	$\mathcal{O}(0; \{2^{39}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{35}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{31}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{27}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{23}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{19}, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^{15}, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2^{11}, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^7, 3^{26}, 6\})$	44739242
6	$\mathcal{O}(0; \{2^3, 3^{29}, 6\})$	357913942
6	$\mathcal{O}(0; \{2^{40}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{36}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{32}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{28}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{24}, 3^{12}, 6^2\})$	5462

Continued on next page

Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{29}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{25}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^{21}, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{17}, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2^{13}, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^9, 3^{17}, 6^7\})$	5592406
6	$\mathcal{O}(0; \{2^5, 3^{20}, 6^7\})$	44739242
6	$\mathcal{O}(0; \{2, 3^{23}, 6^7\})$	357913942
6	$\mathcal{O}(0; \{2^{30}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{26}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{22}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^{18}, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^{14}, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{10}, 3^{15}, 6^8\})$	2796202
6	$\mathcal{O}(0; \{2^6, 3^{18}, 6^8\})$	22369622
6	$\mathcal{O}(0; \{2^2, 3^{21}, 6^8\})$	178956970
6	$\mathcal{O}(0; \{2^{27}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{23}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^{19}, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^{15}, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{11}, 3^{13}, 6^9\})$	1398102
6	$\mathcal{O}(0; \{2^7, 3^{16}, 6^9\})$	11184810
6	$\mathcal{O}(0; \{2^3, 3^{19}, 6^9\})$	89478486
6	$\mathcal{O}(0; \{2^{24}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^{20}, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^{16}, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^{12}, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^8, 3^{14}, 6^{10}\})$	5592406
6	$\mathcal{O}(0; \{2^4, 3^{17}, 6^{10}\})$	44739242
6	$\mathcal{O}(0; \{3^{20}, 6^{10}\})$	357913942
6	$\mathcal{O}(0; \{2^{25}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{21}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^{13}, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^9, 3^{12}, 6^{11}\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^{15}, 6^{11}\})$	22369622
6	$\mathcal{O}(0; \{2, 3^{18}, 6^{11}\})$	178956970
6	$\mathcal{O}(0; \{2^{22}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^{18}, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^{10}, 3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^{13}, 6^{12}\})$	11184810
6	$\mathcal{O}(0; \{2^2, 3^{16}, 6^{12}\})$	89478486

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{19}, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^{11}, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^{11}, 6^{13}\})$	5592406
6	$\mathcal{O}(0; \{2^3, 3^{14}, 6^{13}\})$	44739242
6	$\mathcal{O}(0; \{2^{20}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^{12}, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^8, 3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^4, 3^{12}, 6^{14}\})$	22369622
6	$\mathcal{O}(0; \{3^{15}, 6^{14}\})$	178956970
6	$\mathcal{O}(0; \{2^{17}, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^9, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6^{15}\})$	11184810
6	$\mathcal{O}(0; \{2, 3^{13}, 6^{15}\})$	89478486
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^6, 3^8, 6^{16}\})$	5592406
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^{16}\})$	44739242
6	$\mathcal{O}(0; \{2^{15}, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^7, 3^6, 6^{17}\})$	2796202
6	$\mathcal{O}(0; \{2^3, 3^9, 6^{17}\})$	22369622
6	$\mathcal{O}(0; \{2^{12}, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2^4, 3^7, 6^{18}\})$	11184810
6	$\mathcal{O}(0; \{3^{10}, 6^{18}\})$	89478486
6	$\mathcal{O}(0; \{2^9, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^5, 6^{19}\})$	5592406
6	$\mathcal{O}(0; \{2, 3^8, 6^{19}\})$	44739242
6	$\mathcal{O}(0; \{2^{10}, 6^{20}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^3, 6^{20}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^6, 6^{20}\})$	22369622
6	$\mathcal{O}(0; \{2^7, 3, 6^{21}\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^4, 6^{21}\})$	11184810
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{22}\})$	5592406
6	$\mathcal{O}(0; \{3^5, 6^{22}\})$	44739242
6	$\mathcal{O}(0; \{2^5, 6^{23}\})$	2796202
6	$\mathcal{O}(0; \{2, 3^3, 6^{23}\})$	22369622
6	$\mathcal{O}(0; \{2^2, 3, 6^{24}\})$	11184810
6	$\mathcal{O}(0; \{6^{26}\})$	22369622
7	$\mathcal{O}(6; \{7^8\})$	3321161498731146

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
7	$\mathcal{O}(3; \{7^{15}\})$	7902399035667990
7	$\mathcal{O}(0; \{7^{22}\})$	18803100548895306
8	$\mathcal{O}(7; \{2^2, 8^2\})$	17592186044416
8	$\mathcal{O}(6; \{2^6, 8^2\})$	274877906944
8	$\mathcal{O}(6; \{2^3, 4^2, 8^2\})$	1099511627776
8	$\mathcal{O}(6; \{4^4, 8^2\})$	4398046511104
8	$\mathcal{O}(6; \{2, 4, 8^4\})$	8796093022208
8	$\mathcal{O}(5; \{2^{10}, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^7, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{2^4, 4^4, 8^2\})$	68719476736
8	$\mathcal{O}(5; \{2, 4^6, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^5, 4, 8^4\})$	137438953472
8	$\mathcal{O}(5; \{2^2, 4^3, 8^4\})$	549755813888
8	$\mathcal{O}(5; \{2^3, 8^6\})$	1099511627776
8	$\mathcal{O}(5; \{4^2, 8^6\})$	4398046511104
8	$\mathcal{O}(4; \{2^{14}, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^{11}, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^8, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^5, 4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^2, 4^8, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^9, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2^6, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^3, 4^5, 8^4\})$	34359738368
8	$\mathcal{O}(4; \{4^7, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^7, 8^6\})$	17179869184
8	$\mathcal{O}(4; \{2^4, 4^2, 8^6\})$	68719476736
8	$\mathcal{O}(4; \{2, 4^4, 8^6\})$	274877906944
8	$\mathcal{O}(4; \{2^2, 4, 8^8\})$	549755813888
8	$\mathcal{O}(4; \{8^{10}\})$	4398046511104
8	$\mathcal{O}(3; \{2^{18}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{15}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^{12}, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^9, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^6, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^3, 4^{10}, 8^2\})$	1073741824
8	$\mathcal{O}(3; \{4^{12}, 8^2\})$	4294967296
8	$\mathcal{O}(3; \{2^{13}, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^{10}, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^7, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^4, 4^7, 8^4\})$	2147483648
8	$\mathcal{O}(3; \{2, 4^9, 8^4\})$	8589934592
8	$\mathcal{O}(3; \{2^{11}, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^8, 4^2, 8^6\})$	1073741824

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^5, 4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2^2, 4^6, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^6, 4, 8^8\})$	8589934592
8	$\mathcal{O}(3; \{2^3, 4^3, 8^8\})$	34359738368
8	$\mathcal{O}(3; \{4^5, 8^8\})$	137438953472
8	$\mathcal{O}(3; \{2^4, 8^{10}\})$	68719476736
8	$\mathcal{O}(3; \{2, 4^2, 8^{10}\})$	274877906944
8	$\mathcal{O}(2; \{2^{22}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{19}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{16}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^{13}, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^{10}, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^7, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^4, 4^{12}, 8^2\})$	67108864
8	$\mathcal{O}(2; \{2, 4^{14}, 8^2\})$	268435456
8	$\mathcal{O}(2; \{2^{17}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^{14}, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^{11}, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^8, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^5, 4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^2, 4^{11}, 8^4\})$	536870912
8	$\mathcal{O}(2; \{2^{15}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^{12}, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^9, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^6, 4^6, 8^6\})$	268435456
8	$\mathcal{O}(2; \{2^3, 4^8, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{4^{10}, 8^6\})$	4294967296
8	$\mathcal{O}(2; \{2^{10}, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^7, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^4, 4^5, 8^8\})$	2147483648
8	$\mathcal{O}(2; \{2, 4^7, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^8, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{2^5, 4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(2; \{2^2, 4^4, 8^{10}\})$	17179869184
8	$\mathcal{O}(2; \{2^3, 4, 8^{12}\})$	34359738368
8	$\mathcal{O}(2; \{4^3, 8^{12}\})$	137438953472
8	$\mathcal{O}(2; \{2, 8^{14}\})$	274877906944
8	$\mathcal{O}(1; \{2^{26}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{23}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{20}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{17}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^{14}, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^{11}, 4^{10}, 8^2\})$	262144

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^8, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{2^5, 4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^2, 4^{16}, 8^2\})$	16777216
8	$\mathcal{O}(1; \{2^{21}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{18}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{15}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^{12}, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^9, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2^6, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^3, 4^{13}, 8^4\})$	33554432
8	$\mathcal{O}(1; \{4^{15}, 8^4\})$	134217728
8	$\mathcal{O}(1; \{2^{19}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{16}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^{13}, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^{10}, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^7, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^4, 4^{10}, 8^6\})$	67108864
8	$\mathcal{O}(1; \{2, 4^{12}, 8^6\})$	268435456
8	$\mathcal{O}(1; \{2^{14}, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^{11}, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^8, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{2^5, 4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^2, 4^9, 8^8\})$	536870912
8	$\mathcal{O}(1; \{2^{12}, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^9, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2^6, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^3, 4^6, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{4^8, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^7, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{2^4, 4^3, 8^{12}\})$	2147483648
8	$\mathcal{O}(1; \{2, 4^5, 8^{12}\})$	8589934592
8	$\mathcal{O}(1; \{2^5, 8^{14}\})$	4294967296
8	$\mathcal{O}(1; \{2^2, 4^2, 8^{14}\})$	17179869184
8	$\mathcal{O}(1; \{4, 8^{16}\})$	137438953472
8	$\mathcal{O}(0; \{2^{30}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{27}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{24}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{21}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{18}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{15}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{12}, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^9, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^6, 4^{16}, 8^2\})$	262144

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^3, 4^{18}, 8^2\})$	1048576
8	$\mathcal{O}(0; \{4^{20}, 8^2\})$	4194304
8	$\mathcal{O}(0; \{2^{25}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{22}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{19}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{16}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^{13}, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^{10}, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^7, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^4, 4^{15}, 8^4\})$	2097152
8	$\mathcal{O}(0; \{2, 4^{17}, 8^4\})$	8388608
8	$\mathcal{O}(0; \{2^{23}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{20}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{17}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^{14}, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{11}, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^8, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^5, 4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^2, 4^{14}, 8^6\})$	16777216
8	$\mathcal{O}(0; \{2^{18}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{15}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^{12}, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^9, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^6, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^3, 4^{11}, 8^8\})$	33554432
8	$\mathcal{O}(0; \{4^{13}, 8^8\})$	134217728
8	$\mathcal{O}(0; \{2^{16}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^{13}, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^{10}, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^7, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^4, 4^8, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2, 4^{10}, 8^{10}\})$	268435456
8	$\mathcal{O}(0; \{2^{11}, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^8, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^5, 4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^2, 4^7, 8^{12}\})$	536870912
8	$\mathcal{O}(0; \{2^9, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2^6, 4^2, 8^{14}\})$	268435456
8	$\mathcal{O}(0; \{2^3, 4^4, 8^{14}\})$	1073741824
8	$\mathcal{O}(0; \{4^6, 8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^4, 4, 8^{16}\})$	2147483648
8	$\mathcal{O}(0; \{2, 4^3, 8^{16}\})$	8589934592
8	$\mathcal{O}(0; \{2^2, 8^{18}\})$	17179869184

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(6; \{3^2, 9^2\})$	6778308875544
9	$\mathcal{O}(5; \{3^5, 9^2\})$	669462604992
9	$\mathcal{O}(5; \{3, 9^5\})$	5648590729620
9	$\mathcal{O}(4; \{3^8, 9^2\})$	66119763456
9	$\mathcal{O}(4; \{3^4, 9^5\})$	557885504160
9	$\mathcal{O}(4; \{9^8\})$	8096313379122
9	$\mathcal{O}(3; \{3^{11}, 9^2\})$	6530347008
9	$\mathcal{O}(3; \{3^7, 9^5\})$	55099802880
9	$\mathcal{O}(3; \{3^3, 9^8\})$	799635889296
9	$\mathcal{O}(2; \{3^{14}, 9^2\})$	644972544
9	$\mathcal{O}(2; \{3^{10}, 9^5\})$	5441955840
9	$\mathcal{O}(2; \{3^6, 9^8\})$	78976384128
9	$\mathcal{O}(2; \{3^2, 9^{11}\})$	1056883093992
9	$\mathcal{O}(1; \{3^{17}, 9^2\})$	63700992
9	$\mathcal{O}(1; \{3^{13}, 9^5\})$	537477120
9	$\mathcal{O}(1; \{3^9, 9^8\})$	7800136704
9	$\mathcal{O}(1; \{3^5, 9^{11}\})$	104383515456
9	$\mathcal{O}(1; \{3, 9^{14}\})$	1410727140612
9	$\mathcal{O}(0; \{3^{20}, 9^2\})$	6291456
9	$\mathcal{O}(0; \{3^{16}, 9^5\})$	53084160
9	$\mathcal{O}(0; \{3^{12}, 9^8\})$	770383872
9	$\mathcal{O}(0; \{3^8, 9^{11}\})$	10309483008
9	$\mathcal{O}(0; \{3^4, 9^{14}\})$	139331075616
9	$\mathcal{O}(0; \{9^{17}\})$	1880711240490
10	$\mathcal{O}(6; \{10^2\})$	4000000000000
10	$\mathcal{O}(5; \{2, 5^3, 10\})$	5200000000000
10	$\mathcal{O}(5; \{2^4, 10^2\})$	4000000000000
10	$\mathcal{O}(4; \{2^2, 5^6\})$	8200000000000
10	$\mathcal{O}(4; \{2^5, 5^3, 10\})$	5200000000000
10	$\mathcal{O}(4; \{2^8, 10^2\})$	4000000000000
10	$\mathcal{O}(4; \{5^5, 10^2\})$	3276000000000
10	$\mathcal{O}(4; \{2^3, 5^2, 10^3\})$	2040000000000
10	$\mathcal{O}(4; \{2, 5, 10^5\})$	8200000000000
10	$\mathcal{O}(3; \{2^6, 5^6\})$	8200000000000
10	$\mathcal{O}(3; \{2^9, 5^3, 10\})$	5200000000000
10	$\mathcal{O}(3; \{2, 5^8, 10\})$	5242800000000
10	$\mathcal{O}(3; \{2^{12}, 10^2\})$	4000000000000
10	$\mathcal{O}(3; \{2^4, 5^5, 10^2\})$	3276000000000
10	$\mathcal{O}(3; \{2^7, 5^2, 10^3\})$	2040000000000
10	$\mathcal{O}(3; \{2^2, 5^4, 10^4\})$	1310800000000
10	$\mathcal{O}(3; \{2^5, 5, 10^5\})$	8200000000000
10	$\mathcal{O}(3; \{5^3, 10^6\})$	5242800000000
10	$\mathcal{O}(3; \{2^3, 10^7\})$	3276000000000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^{10}, 5^6\})$	8200000
10	$\mathcal{O}(2; \{2^2, 5^{11}\})$	8388600000
10	$\mathcal{O}(2; \{2^{13}, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2^5, 5^8, 10\})$	524280000
10	$\mathcal{O}(2; \{2^{16}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^8, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{5^{10}, 10^2\})$	33554440000
10	$\mathcal{O}(2; \{2^{11}, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{2^3, 5^7, 10^3\})$	2097160000
10	$\mathcal{O}(2; \{2^6, 5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^9, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{2, 5^6, 10^5\})$	8388600000
10	$\mathcal{O}(2; \{2^4, 5^3, 10^6\})$	524280000
10	$\mathcal{O}(2; \{2^7, 10^7\})$	32760000
10	$\mathcal{O}(2; \{2^2, 5^2, 10^8\})$	2097160000
10	$\mathcal{O}(2; \{5, 10^{10}\})$	8388600000
10	$\mathcal{O}(1; \{2^{14}, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^6, 5^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^{17}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^9, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2, 5^{13}, 10\})$	5368709200
10	$\mathcal{O}(1; \{2^{20}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^{12}, 5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{2^4, 5^{10}, 10^2\})$	335544400
10	$\mathcal{O}(1; \{2^{15}, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2^7, 5^7, 10^3\})$	20971600
10	$\mathcal{O}(1; \{2^{10}, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{2^2, 5^9, 10^4\})$	1342177200
10	$\mathcal{O}(1; \{2^{13}, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2^5, 5^6, 10^5\})$	83886000
10	$\mathcal{O}(1; \{2^8, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{5^8, 10^6\})$	5368709200
10	$\mathcal{O}(1; \{2^{11}, 10^7\})$	327600
10	$\mathcal{O}(1; \{2^3, 5^5, 10^7\})$	335544400
10	$\mathcal{O}(1; \{2^6, 5^2, 10^8\})$	20971600
10	$\mathcal{O}(1; \{2, 5^4, 10^9\})$	1342177200
10	$\mathcal{O}(1; \{2^4, 5, 10^{10}\})$	83886000
10	$\mathcal{O}(1; \{2^2, 10^{12}\})$	335544400
10	$\mathcal{O}(0; \{2^{18}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^{10}, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^2, 5^{16}\})$	858993460
10	$\mathcal{O}(0; \{2^{21}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^{13}, 5^8, 10\})$	52428

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^5, 5^{13}, 10\})$	53687092
10	$\mathcal{O}(0; \{2^{24}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^{16}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^8, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{5^{15}, 10^2\})$	3435973836
10	$\mathcal{O}(0; \{2^{19}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^{11}, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2^3, 5^{12}, 10^3\})$	214748364
10	$\mathcal{O}(0; \{2^{14}, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^6, 5^9, 10^4\})$	13421772
10	$\mathcal{O}(0; \{2^{17}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^9, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2, 5^{11}, 10^5\})$	858993460
10	$\mathcal{O}(0; \{2^{12}, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^4, 5^8, 10^6\})$	53687092
10	$\mathcal{O}(0; \{2^{15}, 10^7\})$	3276
10	$\mathcal{O}(0; \{2^7, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^{10}, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{2^2, 5^7, 10^8\})$	214748364
10	$\mathcal{O}(0; \{2^5, 5^4, 10^9\})$	13421772
10	$\mathcal{O}(0; \{2^8, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{5^6, 10^{10}\})$	858993460
10	$\mathcal{O}(0; \{2^3, 5^3, 10^{11}\})$	53687092
10	$\mathcal{O}(0; \{2^6, 10^{12}\})$	3355444
10	$\mathcal{O}(0; \{2, 5^2, 10^{13}\})$	214748364
11	$\mathcal{O}(5; \{11^3\})$	2334368214090
11	$\mathcal{O}(0; \{11^{14}\})$	9090909090910
12	$\mathcal{O}(5; \{12^2\})$	247669456896
12	$\mathcal{O}(4; \{2^2, 3^2, 4^2\})$	1719926784
12	$\mathcal{O}(4; \{3, 4^2, 6^2\})$	1719926784
12	$\mathcal{O}(4; \{2^3, 3, 4, 12\})$	1719926784
12	$\mathcal{O}(4; \{3, 4^3, 12\})$	6879707136
12	$\mathcal{O}(4; \{3^2, 4, 6, 12\})$	5159780352
12	$\mathcal{O}(4; \{2, 4, 6^2, 12\})$	1719926784
12	$\mathcal{O}(4; \{2^4, 12^2\})$	1719926784
12	$\mathcal{O}(4; \{3^3, 12^2\})$	8599633920
12	$\mathcal{O}(4; \{2, 4^2, 12^2\})$	6879707136
12	$\mathcal{O}(4; \{2, 3, 6, 12^2\})$	5159780352
12	$\mathcal{O}(3; \{2^6, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^5, 4^2\})$	59719680
12	$\mathcal{O}(3; \{2^3, 3^2, 4^4\})$	47775744
12	$\mathcal{O}(3; \{3^2, 4^6\})$	191102976
12	$\mathcal{O}(3; \{2^3, 3^3, 4^2, 6\})$	35831808

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^3, 4^4, 6\})$	143327232
12	$\mathcal{O}(3; \{2^4, 3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{3^4, 4^2, 6^2\})$	131383296
12	$\mathcal{O}(3; \{2, 3, 4^4, 6^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6^3\})$	59719680
12	$\mathcal{O}(3; \{2^2, 4^2, 6^4\})$	35831808
12	$\mathcal{O}(3; \{2^7, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^3, 3^4, 4, 12\})$	59719680
12	$\mathcal{O}(3; \{2^4, 3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{3^4, 4^3, 12\})$	238878720
12	$\mathcal{O}(3; \{2, 3, 4^5, 12\})$	191102976
12	$\mathcal{O}(3; \{2^4, 3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{3^5, 4, 6, 12\})$	250822656
12	$\mathcal{O}(3; \{2, 3^2, 4^3, 6, 12\})$	143327232
12	$\mathcal{O}(3; \{2^5, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 4, 6^2, 12\})$	131383296
12	$\mathcal{O}(3; \{2^2, 4^3, 6^2, 12\})$	47775744
12	$\mathcal{O}(3; \{2^2, 3, 4, 6^3, 12\})$	59719680
12	$\mathcal{O}(3; \{4, 6^5, 12\})$	131383296
12	$\mathcal{O}(3; \{2^8, 12^2\})$	11943936
12	$\mathcal{O}(3; \{2^4, 3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{3^6, 12^2\})$	513589248
12	$\mathcal{O}(3; \{2^5, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3^3, 4^2, 12^2\})$	238878720
12	$\mathcal{O}(3; \{2^2, 4^4, 12^2\})$	191102976
12	$\mathcal{O}(3; \{2^5, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2, 3^4, 6, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6, 12^2\})$	143327232
12	$\mathcal{O}(3; \{2^2, 3^2, 6^2, 12^2\})$	131383296
12	$\mathcal{O}(3; \{2^3, 6^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{4^2, 6^3, 12^2\})$	238878720
12	$\mathcal{O}(3; \{3, 6^4, 12^2\})$	250822656
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 12^3\})$	238878720
12	$\mathcal{O}(3; \{2^3, 4, 6, 12^3\})$	143327232
12	$\mathcal{O}(3; \{4^3, 6, 12^3\})$	573308928
12	$\mathcal{O}(3; \{3, 4, 6^2, 12^3\})$	525533184
12	$\mathcal{O}(3; \{2^3, 3, 12^4\})$	238878720
12	$\mathcal{O}(3; \{3, 4^2, 12^4\})$	955514880
12	$\mathcal{O}(3; \{3^2, 6, 12^4\})$	1003290624
12	$\mathcal{O}(3; \{2, 6^2, 12^4\})$	525533184
12	$\mathcal{O}(3; \{2, 4, 12^5\})$	955514880
12	$\mathcal{O}(2; \{2^{10}, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^6, 3^5, 4^2\})$	414720

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^8, 4^2\})$	3566592
12	$\mathcal{O}(2; \{2^7, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^5, 4^4\})$	1658880
12	$\mathcal{O}(2; \{2^4, 3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{3^5, 4^6\})$	6635520
12	$\mathcal{O}(2; \{2, 3^2, 4^8\})$	5308416
12	$\mathcal{O}(2; \{2^7, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^6, 4^2, 6\})$	1741824
12	$\mathcal{O}(2; \{2^4, 3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{3^6, 4^4, 6\})$	6967296
12	$\mathcal{O}(2; \{2, 3^3, 4^6, 6\})$	3981312
12	$\mathcal{O}(2; \{2^8, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{3^7, 4^2, 6^2\})$	7050240
12	$\mathcal{O}(2; \{2^5, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2, 3^4, 4^4, 6^2\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3, 4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6^3\})$	3566592
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6^3\})$	1658880
12	$\mathcal{O}(2; \{2^6, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^4\})$	1741824
12	$\mathcal{O}(2; \{2^3, 4^4, 6^4\})$	995328
12	$\mathcal{O}(2; \{4^6, 6^4\})$	3981312
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^5\})$	912384
12	$\mathcal{O}(2; \{3, 4^4, 6^5\})$	3649536
12	$\mathcal{O}(2; \{3^2, 4^2, 6^6\})$	3566592
12	$\mathcal{O}(2; \{2, 4^2, 6^7\})$	1741824
12	$\mathcal{O}(2; \{2^{11}, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^7, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^7, 4, 12\})$	3566592
12	$\mathcal{O}(2; \{2^8, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^4, 3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{3^7, 4^3, 12\})$	14266368
12	$\mathcal{O}(2; \{2^5, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2, 3^4, 4^5, 12\})$	6635520
12	$\mathcal{O}(2; \{2^2, 3, 4^7, 12\})$	5308416
12	$\mathcal{O}(2; \{2^8, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{2^4, 3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{3^8, 4, 6, 12\})$	14183424
12	$\mathcal{O}(2; \{2^5, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2, 3^5, 4^3, 6, 12\})$	6967296
12	$\mathcal{O}(2; \{2^2, 3^2, 4^5, 6, 12\})$	3981312

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^9, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2, 3^6, 4, 6^2, 12\})$	7050240
12	$\mathcal{O}(2; \{2^6, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 6^2, 12\})$	3649536
12	$\mathcal{O}(2; \{2^3, 4^5, 6^2, 12\})$	1327104
12	$\mathcal{O}(2; \{4^7, 6^2, 12\})$	5308416
12	$\mathcal{O}(2; \{2^6, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6^3, 12\})$	3566592
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6^3, 12\})$	1658880
12	$\mathcal{O}(2; \{3, 4^5, 6^3, 12\})$	6635520
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^4, 12\})$	1741824
12	$\mathcal{O}(2; \{3^2, 4^3, 6^4, 12\})$	6967296
12	$\mathcal{O}(2; \{2^4, 4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{3^3, 4, 6^5, 12\})$	7050240
12	$\mathcal{O}(2; \{2, 4^3, 6^5, 12\})$	3649536
12	$\mathcal{O}(2; \{2, 3, 4, 6^6, 12\})$	3566592
12	$\mathcal{O}(2; \{2^{12}, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^8, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^4, 3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{3^9, 12^2\})$	28283904
12	$\mathcal{O}(2; \{2^9, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2, 3^6, 4^2, 12^2\})$	14266368
12	$\mathcal{O}(2; \{2^6, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^3, 4^6, 12^2\})$	5308416
12	$\mathcal{O}(2; \{4^8, 12^2\})$	21233664
12	$\mathcal{O}(2; \{2^9, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^5, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3^7, 6, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6, 12^2\})$	3981312
12	$\mathcal{O}(2; \{3, 4^6, 6, 12^2\})$	15925248
12	$\mathcal{O}(2; \{2^6, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3^5, 6^2, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{3^2, 4^4, 6^2, 12^2\})$	14598144
12	$\mathcal{O}(2; \{2^7, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^3, 6^3, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^4, 4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^3, 4^2, 6^3, 12^2\})$	14266368

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 4^4, 6^3, 12^2\})$	6635520
12	$\mathcal{O}(2; \{2^4, 3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{3^4, 6^4, 12^2\})$	14183424
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^4, 12^2\})$	6967296
12	$\mathcal{O}(2; \{2, 3^2, 6^5, 12^2\})$	7050240
12	$\mathcal{O}(2; \{2^2, 6^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 12^3\})$	6635520
12	$\mathcal{O}(2; \{3^2, 4^5, 12^3\})$	26542080
12	$\mathcal{O}(2; \{2^7, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^4, 4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{3^3, 4^3, 6, 12^3\})$	27869184
12	$\mathcal{O}(2; \{2, 4^5, 6, 12^3\})$	15925248
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{3^4, 4, 6^2, 12^3\})$	28200960
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^2, 12^3\})$	14598144
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^3, 12^3\})$	14266368
12	$\mathcal{O}(2; \{2^2, 4, 6^4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2^7, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{2^3, 3^4, 12^4\})$	14266368
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{3^4, 4^2, 12^4\})$	57065472
12	$\mathcal{O}(2; \{2, 3, 4^4, 12^4\})$	26542080
12	$\mathcal{O}(2; \{2^4, 3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3^5, 6, 12^4\})$	56733696
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6, 12^4\})$	27869184
12	$\mathcal{O}(2; \{2^5, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2, 3^3, 6^2, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^2, 4^2, 6^2, 12^4\})$	14598144
12	$\mathcal{O}(2; \{2^2, 3, 6^3, 12^4\})$	14266368
12	$\mathcal{O}(2; \{6^5, 12^4\})$	28200960
12	$\mathcal{O}(2; \{2^5, 4, 12^5\})$	6635520
12	$\mathcal{O}(2; \{2, 3^3, 4, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^2, 4^3, 12^5\})$	26542080
12	$\mathcal{O}(2; \{2^2, 3, 4, 6, 12^5\})$	27869184
12	$\mathcal{O}(2; \{4, 6^3, 12^5\})$	57065472
12	$\mathcal{O}(2; \{2^2, 3^2, 12^6\})$	57065472
12	$\mathcal{O}(2; \{2^3, 6, 12^6\})$	27869184
12	$\mathcal{O}(2; \{4^2, 6, 12^6\})$	111476736
12	$\mathcal{O}(2; \{3, 6^2, 12^6\})$	112803840
12	$\mathcal{O}(2; \{3, 4, 12^7\})$	228261888

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 12^8\})$	228261888
12	$\mathcal{O}(1; \{2^{14}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^{10}, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^{11}, 4^2\})$	196416
12	$\mathcal{O}(1; \{2^{11}, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^7, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^8, 4^4\})$	99072
12	$\mathcal{O}(1; \{2^8, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^4, 3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{3^8, 4^6\})$	396288
12	$\mathcal{O}(1; \{2^5, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2, 3^5, 4^8\})$	184320
12	$\mathcal{O}(1; \{2^2, 3^2, 4^{10}\})$	147456
12	$\mathcal{O}(1; \{2^{11}, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^7, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^9, 4^2, 6\})$	98496
12	$\mathcal{O}(1; \{2^8, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{3^9, 4^4, 6\})$	393984
12	$\mathcal{O}(1; \{2^5, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2, 3^6, 4^6, 6\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^3, 4^8, 6\})$	110592
12	$\mathcal{O}(1; \{2^{12}, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{3^{10}, 4^2, 6^2\})$	393408
12	$\mathcal{O}(1; \{2^9, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^7, 4^4, 6^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6, 6^2\})$	101376
12	$\mathcal{O}(1; \{2^3, 3, 4^8, 6^2\})$	36864
12	$\mathcal{O}(1; \{3, 4^{10}, 6^2\})$	147456
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6^3\})$	2880
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6^3\})$	24768
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6^3\})$	196416
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6^3\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^5, 4^4, 6^3\})$	99072
12	$\mathcal{O}(1; \{2^3, 3^2, 4^6, 6^3\})$	46080
12	$\mathcal{O}(1; \{3^2, 4^8, 6^3\})$	184320
12	$\mathcal{O}(1; \{2^{10}, 4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^6, 3^3, 4^2, 6^4\})$	12096

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^4\})$	98496
12	$\mathcal{O}(1; \{2^7, 4^4, 6^4\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^3, 4^4, 6^4\})$	48384
12	$\mathcal{O}(1; \{2^4, 4^6, 6^4\})$	27648
12	$\mathcal{O}(1; \{3^3, 4^6, 6^4\})$	193536
12	$\mathcal{O}(1; \{2, 4^8, 6^4\})$	110592
12	$\mathcal{O}(1; \{2^7, 3, 4^2, 6^5\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^4, 4^2, 6^5\})$	48960
12	$\mathcal{O}(1; \{2^4, 3, 4^4, 6^5\})$	25344
12	$\mathcal{O}(1; \{3^4, 4^4, 6^5\})$	195840
12	$\mathcal{O}(1; \{2, 3, 4^6, 6^5\})$	101376
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2, 6^6\})$	24768
12	$\mathcal{O}(1; \{3^5, 4^2, 6^6\})$	196416
12	$\mathcal{O}(1; \{2, 3^2, 4^4, 6^6\})$	99072
12	$\mathcal{O}(1; \{2^5, 4^2, 6^7\})$	12096
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6^7\})$	98496
12	$\mathcal{O}(1; \{2^2, 4^4, 6^7\})$	48384
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^8\})$	48960
12	$\mathcal{O}(1; \{4^2, 6^{10}\})$	98496
12	$\mathcal{O}(1; \{2^{15}, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^{11}, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^7, 3^7, 4, 12\})$	24768
12	$\mathcal{O}(1; \{2^3, 3^{10}, 4, 12\})$	196416
12	$\mathcal{O}(1; \{2^{12}, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^8, 3^4, 4^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^7, 4^3, 12\})$	99072
12	$\mathcal{O}(1; \{3^{10}, 4^3, 12\})$	785664
12	$\mathcal{O}(1; \{2^9, 3, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{2^5, 3^4, 4^5, 12\})$	46080
12	$\mathcal{O}(1; \{2, 3^7, 4^5, 12\})$	396288
12	$\mathcal{O}(1; \{2^6, 3, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^2, 3^4, 4^7, 12\})$	184320
12	$\mathcal{O}(1; \{2^3, 3, 4^9, 12\})$	147456
12	$\mathcal{O}(1; \{3, 4^{11}, 12\})$	589824
12	$\mathcal{O}(1; \{2^{12}, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^8, 3^5, 4, 6, 12\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^8, 4, 6, 12\})$	98496
12	$\mathcal{O}(1; \{3^{11}, 4, 6, 12\})$	786240
12	$\mathcal{O}(1; \{2^9, 3^2, 4^3, 6, 12\})$	6912
12	$\mathcal{O}(1; \{2^5, 3^5, 4^3, 6, 12\})$	48384
12	$\mathcal{O}(1; \{2, 3^8, 4^3, 6, 12\})$	393984
12	$\mathcal{O}(1; \{2^6, 3^2, 4^5, 6, 12\})$	27648
12	$\mathcal{O}(1; \{2^2, 3^5, 4^5, 6, 12\})$	193536

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 4^7, 6, 12\})$	110592
12	$\mathcal{O}(1; \{3^2, 4^9, 6, 12\})$	442368
12	$\mathcal{O}(1; \{2^{13}, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^9, 3^3, 4, 6^2, 12\})$	6336
12	$\mathcal{O}(1; \{2^5, 3^6, 4, 6^2, 12\})$	48960
12	$\mathcal{O}(1; \{2, 3^9, 4, 6^2, 12\})$	393408
12	$\mathcal{O}(1; \{2^{10}, 4^3, 6^2, 12\})$	2304
12	$\mathcal{O}(1; \{2^6, 3^3, 4^3, 6^2, 12\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^6, 4^3, 6^2, 12\})$	195840
12	$\mathcal{O}(1; \{2^7, 4^5, 6^2, 12\})$	9216
12	$\mathcal{O}(1; \{2^3, 3^3, 4^5, 6^2, 12\})$	101376
12	$\mathcal{O}(1; \{2^4, 4^7, 6^2, 12\})$	36864
12	$\mathcal{O}(1; \{3^3, 4^7, 6^2, 12\})$	405504
12	$\mathcal{O}(1; \{2, 4^9, 6^2, 12\})$	147456
12	$\mathcal{O}(1; \{2^{10}, 3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^6, 3^4, 4, 6^3, 12\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^7, 4, 6^3, 12\})$	196416
12	$\mathcal{O}(1; \{2^7, 3, 4^3, 6^3, 12\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^4, 4^3, 6^3, 12\})$	99072
12	$\mathcal{O}(1; \{2^4, 3, 4^5, 6^3, 12\})$	46080
12	$\mathcal{O}(1; \{3^4, 4^5, 6^3, 12\})$	396288
12	$\mathcal{O}(1; \{2, 3, 4^7, 6^3, 12\})$	184320
12	$\mathcal{O}(1; \{2^7, 3^2, 4, 6^4, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^5, 4, 6^4, 12\})$	98496
12	$\mathcal{O}(1; \{2^4, 3^2, 4^3, 6^4, 12\})$	48384
12	$\mathcal{O}(1; \{3^5, 4^3, 6^4, 12\})$	393984
12	$\mathcal{O}(1; \{2, 3^2, 4^5, 6^4, 12\})$	193536
12	$\mathcal{O}(1; \{2^8, 4, 6^5, 12\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 6^5, 12\})$	48960
12	$\mathcal{O}(1; \{3^6, 4, 6^5, 12\})$	393408
12	$\mathcal{O}(1; \{2^5, 4^3, 6^5, 12\})$	25344
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 6^5, 12\})$	195840
12	$\mathcal{O}(1; \{2^2, 4^5, 6^5, 12\})$	101376
12	$\mathcal{O}(1; \{2^5, 3, 4, 6^6, 12\})$	24768
12	$\mathcal{O}(1; \{2, 3^4, 4, 6^6, 12\})$	196416
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6^6, 12\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^7, 12\})$	98496
12	$\mathcal{O}(1; \{2^3, 4, 6^8, 12\})$	48960
12	$\mathcal{O}(1; \{4^3, 6^8, 12\})$	195840
12	$\mathcal{O}(1; \{3, 4, 6^9, 12\})$	196416
12	$\mathcal{O}(1; \{2^{16}, 12^2\})$	576
12	$\mathcal{O}(1; \{2^{12}, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^8, 3^6, 12^2\})$	24768

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^4, 3^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{3^{12}, 12^2\})$	1573056
12	$\mathcal{O}(1; \{2^{13}, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2, 12^2\})$	99072
12	$\mathcal{O}(1; \{2, 3^9, 4^2, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^{10}, 4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^7, 4^6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6, 12^2\})$	184320
12	$\mathcal{O}(1; \{2^4, 4^8, 12^2\})$	147456
12	$\mathcal{O}(1; \{3^3, 4^8, 12^2\})$	737280
12	$\mathcal{O}(1; \{2, 4^{10}, 12^2\})$	589824
12	$\mathcal{O}(1; \{2^{13}, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^9, 3^4, 6, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^5, 3^7, 6, 12^2\})$	98496
12	$\mathcal{O}(1; \{2, 3^{10}, 6, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^{10}, 3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2, 6, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2, 6, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^7, 3, 4^4, 6, 12^2\})$	27648
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4, 6, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^4, 3, 4^6, 6, 12^2\})$	110592
12	$\mathcal{O}(1; \{3^4, 4^6, 6, 12^2\})$	774144
12	$\mathcal{O}(1; \{2, 3, 4^8, 6, 12^2\})$	442368
12	$\mathcal{O}(1; \{2^{10}, 3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2^6, 3^5, 6^2, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^2, 3^8, 6^2, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6^2, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6^2, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6^2, 12^2\})$	101376
12	$\mathcal{O}(1; \{3^5, 4^4, 6^2, 12^2\})$	783360
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6^2, 12^2\})$	405504
12	$\mathcal{O}(1; \{2^{11}, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^7, 3^3, 6^3, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^3, 3^6, 6^3, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^8, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^3, 4^2, 6^3, 12^2\})$	99072
12	$\mathcal{O}(1; \{3^6, 4^2, 6^3, 12^2\})$	785664
12	$\mathcal{O}(1; \{2^5, 4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2, 3^3, 4^4, 6^3, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^2, 4^6, 6^3, 12^2\})$	184320

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^8, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^4, 6^4, 12^2\})$	98496
12	$\mathcal{O}(1; \{3^7, 6^4, 12^2\})$	786240
12	$\mathcal{O}(1; \{2^5, 3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{2, 3^4, 4^2, 6^4, 12^2\})$	393984
12	$\mathcal{O}(1; \{2^2, 3, 4^4, 6^4, 12^2\})$	193536
12	$\mathcal{O}(1; \{2^5, 3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3^5, 6^5, 12^2\})$	393408
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6^5, 12^2\})$	195840
12	$\mathcal{O}(1; \{2^6, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 3^3, 6^6, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^3, 4^2, 6^6, 12^2\})$	99072
12	$\mathcal{O}(1; \{4^4, 6^6, 12^2\})$	396288
12	$\mathcal{O}(1; \{2^3, 3, 6^7, 12^2\})$	98496
12	$\mathcal{O}(1; \{3, 4^2, 6^7, 12^2\})$	393984
12	$\mathcal{O}(1; \{3^2, 6^8, 12^2\})$	393408
12	$\mathcal{O}(1; \{2, 6^9, 12^2\})$	196416
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2^6, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^8, 4, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^7, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^5, 4^3, 12^3\})$	396288
12	$\mathcal{O}(1; \{2^4, 3^2, 4^5, 12^3\})$	184320
12	$\mathcal{O}(1; \{3^5, 4^5, 12^3\})$	1585152
12	$\mathcal{O}(1; \{2, 3^2, 4^7, 12^3\})$	737280
12	$\mathcal{O}(1; \{2^{11}, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^7, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 3^6, 4, 6, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^8, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{2^4, 3^3, 4^3, 6, 12^3\})$	193536
12	$\mathcal{O}(1; \{3^6, 4^3, 6, 12^3\})$	1575936
12	$\mathcal{O}(1; \{2^5, 4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2, 3^3, 4^5, 6, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^2, 4^7, 6, 12^3\})$	442368
12	$\mathcal{O}(1; \{2^8, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^4, 4, 6^2, 12^3\})$	195840
12	$\mathcal{O}(1; \{3^7, 4, 6^2, 12^3\})$	1573632
12	$\mathcal{O}(1; \{2^5, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2, 3^4, 4^3, 6^2, 12^3\})$	783360
12	$\mathcal{O}(1; \{2^2, 3, 4^5, 6^2, 12^3\})$	405504
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 3^5, 4, 6^3, 12^3\})$	785664
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 6^3, 12^3\})$	396288

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6^4, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^3, 4^3, 6^4, 12^3\})$	193536
12	$\mathcal{O}(1; \{4^5, 6^4, 12^3\})$	774144
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^5, 12^3\})$	195840
12	$\mathcal{O}(1; \{3, 4^3, 6^5, 12^3\})$	783360
12	$\mathcal{O}(1; \{3^2, 4, 6^6, 12^3\})$	785664
12	$\mathcal{O}(1; \{2, 4, 6^7, 12^3\})$	393984
12	$\mathcal{O}(1; \{2^{11}, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^7, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 3^7, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{3^7, 4^2, 12^4\})$	3142656
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 12^4\})$	737280
12	$\mathcal{O}(1; \{2^8, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^4, 3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{3^8, 6, 12^4\})$	3144960
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6, 12^4\})$	774144
12	$\mathcal{O}(1; \{2^9, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2^5, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 3^6, 6^2, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2^6, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^2, 12^4\})$	783360
12	$\mathcal{O}(1; \{2^3, 4^4, 6^2, 12^4\})$	405504
12	$\mathcal{O}(1; \{4^6, 6^2, 12^4\})$	1622016
12	$\mathcal{O}(1; \{2^6, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^4, 6^3, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^3, 12^4\})$	396288
12	$\mathcal{O}(1; \{3, 4^4, 6^3, 12^4\})$	1585152
12	$\mathcal{O}(1; \{2^3, 3^2, 6^4, 12^4\})$	393984
12	$\mathcal{O}(1; \{3^2, 4^2, 6^4, 12^4\})$	1575936
12	$\mathcal{O}(1; \{2^4, 6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{3^3, 6^5, 12^4\})$	1573632
12	$\mathcal{O}(1; \{2, 4^2, 6^5, 12^4\})$	783360
12	$\mathcal{O}(1; \{2, 3, 6^6, 12^4\})$	785664
12	$\mathcal{O}(1; \{2^9, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2^5, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2, 3^6, 4, 12^5\})$	3142656

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^6, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^2, 3^3, 4^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2^3, 4^5, 12^5\})$	737280
12	$\mathcal{O}(1; \{4^7, 12^5\})$	2949120
12	$\mathcal{O}(1; \{2^6, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 6, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 6, 12^5\})$	774144
12	$\mathcal{O}(1; \{3, 4^5, 6, 12^5\})$	3096576
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6^2, 12^5\})$	783360
12	$\mathcal{O}(1; \{3^2, 4^3, 6^2, 12^5\})$	3133440
12	$\mathcal{O}(1; \{2^4, 4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{3^3, 4, 6^3, 12^5\})$	3142656
12	$\mathcal{O}(1; \{2, 4^3, 6^3, 12^5\})$	1585152
12	$\mathcal{O}(1; \{2, 3, 4, 6^4, 12^5\})$	1575936
12	$\mathcal{O}(1; \{2^6, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^5, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 12^6\})$	1585152
12	$\mathcal{O}(1; \{3^2, 4^4, 12^6\})$	6340608
12	$\mathcal{O}(1; \{2^7, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{2^3, 3^3, 6, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^4, 4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{3^3, 4^2, 6, 12^6\})$	6303744
12	$\mathcal{O}(1; \{2, 4^4, 6, 12^6\})$	3096576
12	$\mathcal{O}(1; \{2^4, 3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{3^4, 6^2, 12^6\})$	6294528
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 12^6\})$	3133440
12	$\mathcal{O}(1; \{2, 3^2, 6^3, 12^6\})$	3142656
12	$\mathcal{O}(1; \{2^2, 6^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2^4, 3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{3^4, 4, 12^7\})$	12570624
12	$\mathcal{O}(1; \{2, 3, 4^3, 12^7\})$	6340608
12	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12^7\})$	6303744
12	$\mathcal{O}(1; \{2^2, 4, 6^2, 12^7\})$	3133440
12	$\mathcal{O}(1; \{2^5, 12^8\})$	1585152
12	$\mathcal{O}(1; \{2, 3^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{2^2, 4^2, 12^8\})$	6340608
12	$\mathcal{O}(1; \{2^2, 3, 6, 12^8\})$	6303744
12	$\mathcal{O}(1; \{6^3, 12^8\})$	12570624
12	$\mathcal{O}(1; \{4, 6, 12^9\})$	25214976
12	$\mathcal{O}(1; \{3, 12^{10}\})$	50282496
12	$\mathcal{O}(0; \{2^{18}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{14}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^8, 4^2\})$	172

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{14}, 4^2\})$	10924
12	$\mathcal{O}(0; \{2^{15}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^{11}, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^7, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^3, 3^{11}, 4^4\})$	5456
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^8, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^4, 3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{3^{11}, 4^6\})$	21824
12	$\mathcal{O}(0; \{2^9, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2^5, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2, 3^8, 4^8\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^2, 3^5, 4^{10}\})$	5120
12	$\mathcal{O}(0; \{2^3, 3^2, 4^{12}\})$	4096
12	$\mathcal{O}(0; \{3^2, 4^{14}\})$	16384
12	$\mathcal{O}(0; \{2^{15}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^{11}, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^7, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^3, 3^{12}, 4^2, 6\})$	5460
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^8, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^4, 3^9, 4^4, 6\})$	2736
12	$\mathcal{O}(0; \{3^{12}, 4^4, 6\})$	21840
12	$\mathcal{O}(0; \{2^9, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{2^5, 3^6, 4^6, 6\})$	1344
12	$\mathcal{O}(0; \{2, 3^9, 4^6, 6\})$	10944
12	$\mathcal{O}(0; \{2^6, 3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2^2, 3^6, 4^8, 6\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^3, 4^{10}, 6\})$	3072
12	$\mathcal{O}(0; \{3^3, 4^{12}, 6\})$	12288
12	$\mathcal{O}(0; \{2^{16}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2, 6^2\})$	2732
12	$\mathcal{O}(0; \{3^{13}, 4^2, 6^2\})$	21844
12	$\mathcal{O}(0; \{2^{13}, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4, 6^2\})$	1360
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4, 6^2\})$	10928
12	$\mathcal{O}(0; \{2^{10}, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6, 6^2\})$	704

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6, 6^2\})$	5440
12	$\mathcal{O}(0; \{2^7, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8, 6^2\})$	2816
12	$\mathcal{O}(0; \{2^4, 3, 4^{10}, 6^2\})$	1024
12	$\mathcal{O}(0; \{3^4, 4^{10}, 6^2\})$	11264
12	$\mathcal{O}(0; \{2, 3, 4^{12}, 6^2\})$	4096
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6^3\})$	1364
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6^3\})$	10924
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6^3\})$	688
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6^3\})$	5456
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6^3\})$	320
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6^3\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6^3\})$	1280
12	$\mathcal{O}(0; \{3^5, 4^8, 6^3\})$	11008
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6^3\})$	5120
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^4\})$	684
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^4\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^4\})$	336
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^4\})$	2736
12	$\mathcal{O}(0; \{2^8, 4^6, 6^4\})$	192
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^4\})$	1344
12	$\mathcal{O}(0; \{3^6, 4^6, 6^4\})$	10944
12	$\mathcal{O}(0; \{2^5, 4^8, 6^4\})$	768
12	$\mathcal{O}(0; \{2, 3^3, 4^8, 6^4\})$	5376
12	$\mathcal{O}(0; \{2^2, 4^{10}, 6^4\})$	3072
12	$\mathcal{O}(0; \{2^{11}, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^7, 3^4, 4^2, 6^5\})$	340
12	$\mathcal{O}(0; \{2^3, 3^7, 4^2, 6^5\})$	2732
12	$\mathcal{O}(0; \{2^8, 3, 4^4, 6^5\})$	176
12	$\mathcal{O}(0; \{2^4, 3^4, 4^4, 6^5\})$	1360
12	$\mathcal{O}(0; \{3^7, 4^4, 6^5\})$	10928
12	$\mathcal{O}(0; \{2^5, 3, 4^6, 6^5\})$	704
12	$\mathcal{O}(0; \{2, 3^4, 4^6, 6^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 3, 4^8, 6^5\})$	2816
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2, 6^6\})$	172
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2, 6^6\})$	1364
12	$\mathcal{O}(0; \{3^8, 4^2, 6^6\})$	10924

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4, 6^6\})$	688
12	$\mathcal{O}(0; \{2, 3^5, 4^4, 6^6\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6, 6^6\})$	2752
12	$\mathcal{O}(0; \{2^9, 4^2, 6^7\})$	84
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6^7\})$	684
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6^7\})$	5460
12	$\mathcal{O}(0; \{2^6, 4^4, 6^7\})$	336
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6^7\})$	2736
12	$\mathcal{O}(0; \{2^3, 4^6, 6^7\})$	1344
12	$\mathcal{O}(0; \{4^8, 6^7\})$	5376
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^8\})$	2732
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^8\})$	1360
12	$\mathcal{O}(0; \{3, 4^6, 6^8\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^9\})$	1364
12	$\mathcal{O}(0; \{3^2, 4^4, 6^9\})$	5456
12	$\mathcal{O}(0; \{2^4, 4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{3^3, 4^2, 6^{10}\})$	5460
12	$\mathcal{O}(0; \{2, 4^4, 6^{10}\})$	2736
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^{11}\})$	2732
12	$\mathcal{O}(0; \{2^{19}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{15}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^{11}, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^7, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^{13}, 4, 12\})$	10924
12	$\mathcal{O}(0; \{2^{16}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^8, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{3^{13}, 4^3, 12\})$	43696
12	$\mathcal{O}(0; \{2^{13}, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^9, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2^5, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2, 3^{10}, 4^5, 12\})$	21824
12	$\mathcal{O}(0; \{2^{10}, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^6, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^7, 4^7, 12\})$	11008
12	$\mathcal{O}(0; \{2^7, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^3, 3^4, 4^9, 12\})$	5120
12	$\mathcal{O}(0; \{2^4, 3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{3^4, 4^{11}, 12\})$	20480
12	$\mathcal{O}(0; \{2, 3, 4^{13}, 12\})$	16384
12	$\mathcal{O}(0; \{2^{16}, 3^2, 4, 6, 12\})$	12

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^{12}, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^8, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{2^4, 3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{3^{14}, 4, 6, 12\})$	43692
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^9, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2^5, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2, 3^{11}, 4^3, 6, 12\})$	21840
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^6, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^8, 4^5, 6, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{2^3, 3^5, 4^7, 6, 12\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{3^5, 4^9, 6, 12\})$	21504
12	$\mathcal{O}(0; \{2, 3^2, 4^{11}, 6, 12\})$	12288
12	$\mathcal{O}(0; \{2^{17}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^9, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2^5, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2, 3^{12}, 4, 6^2, 12\})$	21844
12	$\mathcal{O}(0; \{2^{14}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^6, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^9, 4^3, 6^2, 12\})$	10928
12	$\mathcal{O}(0; \{2^{11}, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^3, 3^6, 4^5, 6^2, 12\})$	5440
12	$\mathcal{O}(0; \{2^8, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{2^4, 3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{3^6, 4^7, 6^2, 12\})$	21760
12	$\mathcal{O}(0; \{2^5, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2, 3^3, 4^9, 6^2, 12\})$	11264
12	$\mathcal{O}(0; \{2^2, 4^{11}, 6^2, 12\})$	4096
12	$\mathcal{O}(0; \{2^{14}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^6, 3^7, 4, 6^3, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4, 6^3, 12\})$	10924
12	$\mathcal{O}(0; \{2^{11}, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2^7, 3^4, 4^3, 6^3, 12\})$	688
12	$\mathcal{O}(0; \{2^3, 3^7, 4^3, 6^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^8, 3, 4^5, 6^3, 12\})$	320
12	$\mathcal{O}(0; \{2^4, 3^4, 4^5, 6^3, 12\})$	2752

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^7, 4^5, 6^3, 12\})$	21824
12	$\mathcal{O}(0; \{2^5, 3, 4^7, 6^3, 12\})$	1280
12	$\mathcal{O}(0; \{2, 3^4, 4^7, 6^3, 12\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 4^9, 6^3, 12\})$	5120
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^5, 4, 6^4, 12\})$	684
12	$\mathcal{O}(0; \{2^3, 3^8, 4, 6^4, 12\})$	5460
12	$\mathcal{O}(0; \{2^8, 3^2, 4^3, 6^4, 12\})$	336
12	$\mathcal{O}(0; \{2^4, 3^5, 4^3, 6^4, 12\})$	2736
12	$\mathcal{O}(0; \{3^8, 4^3, 6^4, 12\})$	21840
12	$\mathcal{O}(0; \{2^5, 3^2, 4^5, 6^4, 12\})$	1344
12	$\mathcal{O}(0; \{2, 3^5, 4^5, 6^4, 12\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^2, 4^7, 6^4, 12\})$	5376
12	$\mathcal{O}(0; \{2^{12}, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 3^3, 4, 6^5, 12\})$	340
12	$\mathcal{O}(0; \{2^4, 3^6, 4, 6^5, 12\})$	2732
12	$\mathcal{O}(0; \{3^9, 4, 6^5, 12\})$	21844
12	$\mathcal{O}(0; \{2^9, 4^3, 6^5, 12\})$	176
12	$\mathcal{O}(0; \{2^5, 3^3, 4^3, 6^5, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^6, 4^3, 6^5, 12\})$	10928
12	$\mathcal{O}(0; \{2^6, 4^5, 6^5, 12\})$	704
12	$\mathcal{O}(0; \{2^2, 3^3, 4^5, 6^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^3, 4^7, 6^5, 12\})$	2816
12	$\mathcal{O}(0; \{4^9, 6^5, 12\})$	11264
12	$\mathcal{O}(0; \{2^9, 3, 4, 6^6, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 6^6, 12\})$	1364
12	$\mathcal{O}(0; \{2, 3^7, 4, 6^6, 12\})$	10924
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 6^6, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 6^6, 12\})$	5456
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 6^6, 12\})$	2752
12	$\mathcal{O}(0; \{3, 4^7, 6^6, 12\})$	11008
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^7, 12\})$	684
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^7, 12\})$	5460
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^7, 12\})$	2736
12	$\mathcal{O}(0; \{3^2, 4^5, 6^7, 12\})$	10944
12	$\mathcal{O}(0; \{2^7, 4, 6^8, 12\})$	340
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^8, 12\})$	2732
12	$\mathcal{O}(0; \{2^4, 4^3, 6^8, 12\})$	1360
12	$\mathcal{O}(0; \{3^3, 4^3, 6^8, 12\})$	10928
12	$\mathcal{O}(0; \{2, 4^5, 6^8, 12\})$	5440
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^9, 12\})$	1364
12	$\mathcal{O}(0; \{3^4, 4, 6^9, 12\})$	10924
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^9, 12\})$	5456

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^{10}, 12\})$	5460
12	$\mathcal{O}(0; \{2^2, 4, 6^{11}, 12\})$	2732
12	$\mathcal{O}(0; \{2^{20}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{16}, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{12}, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^8, 3^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^4, 3^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{3^{15}, 12^2\})$	87380
12	$\mathcal{O}(0; \{2^{17}, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^{14}, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^{11}, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^8, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8, 12^2\})$	5120
12	$\mathcal{O}(0; \{3^6, 4^8, 12^2\})$	44032
12	$\mathcal{O}(0; \{2^5, 4^{10}, 12^2\})$	4096
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^2, 4^{12}, 12^2\})$	16384
12	$\mathcal{O}(0; \{2^{17}, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{13}, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^9, 3^7, 6, 12^2\})$	684
12	$\mathcal{O}(0; \{2^5, 3^{10}, 6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 3^{13}, 6, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^8, 3, 4^6, 6, 12^2\})$	768
12	$\mathcal{O}(0; \{2^4, 3^4, 4^6, 6, 12^2\})$	5376
12	$\mathcal{O}(0; \{3^7, 4^6, 6, 12^2\})$	43776
12	$\mathcal{O}(0; \{2^5, 3, 4^8, 6, 12^2\})$	3072
12	$\mathcal{O}(0; \{2, 3^4, 4^8, 6, 12^2\})$	21504

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3, 4^{10}, 6, 12^2\})$	12288
12	$\mathcal{O}(0; \{2^{14}, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^{10}, 3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2^6, 3^8, 6^2, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^2, 3^{11}, 6^2, 12^2\})$	21844
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 6^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 6^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 6^2, 12^2\})$	704
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 6^2, 12^2\})$	5440
12	$\mathcal{O}(0; \{3^8, 4^4, 6^2, 12^2\})$	43712
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 6^2, 12^2\})$	2816
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 6^2, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 6^2, 12^2\})$	11264
12	$\mathcal{O}(0; \{2^{15}, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^7, 3^6, 6^3, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^9, 6^3, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6^3, 12^2\})$	688
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6^3, 12^2\})$	5456
12	$\mathcal{O}(0; \{3^9, 4^2, 6^3, 12^2\})$	43696
12	$\mathcal{O}(0; \{2^9, 4^4, 6^3, 12^2\})$	320
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6^3, 12^2\})$	2752
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6^3, 12^2\})$	21824
12	$\mathcal{O}(0; \{2^6, 4^6, 6^3, 12^2\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6^3, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^3, 4^8, 6^3, 12^2\})$	5120
12	$\mathcal{O}(0; \{4^{10}, 6^3, 12^2\})$	20480
12	$\mathcal{O}(0; \{2^{12}, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^8, 3^4, 6^4, 12^2\})$	684
12	$\mathcal{O}(0; \{2^4, 3^7, 6^4, 12^2\})$	5460
12	$\mathcal{O}(0; \{3^{10}, 6^4, 12^2\})$	43692
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^4, 12^2\})$	336
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^4, 12^2\})$	2736
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^4, 12^2\})$	21840
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^4, 12^2\})$	5376
12	$\mathcal{O}(0; \{3, 4^8, 6^4, 12^2\})$	21504
12	$\mathcal{O}(0; \{2^9, 3^2, 6^5, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3^5, 6^5, 12^2\})$	2732
12	$\mathcal{O}(0; \{2, 3^8, 6^5, 12^2\})$	21844

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^5, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^5, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^5, 12^2\})$	5440
12	$\mathcal{O}(0; \{3^2, 4^6, 6^5, 12^2\})$	21760
12	$\mathcal{O}(0; \{2^{10}, 6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 3^3, 6^6, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^2, 3^6, 6^6, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^7, 4^2, 6^6, 12^2\})$	688
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^6, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^4, 4^4, 6^6, 12^2\})$	2752
12	$\mathcal{O}(0; \{3^3, 4^4, 6^6, 12^2\})$	21824
12	$\mathcal{O}(0; \{2, 4^6, 6^6, 12^2\})$	11008
12	$\mathcal{O}(0; \{2^7, 3, 6^7, 12^2\})$	684
12	$\mathcal{O}(0; \{2^3, 3^4, 6^7, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^7, 12^2\})$	2736
12	$\mathcal{O}(0; \{3^4, 4^2, 6^7, 12^2\})$	21840
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^7, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^4, 3^2, 6^8, 12^2\})$	2732
12	$\mathcal{O}(0; \{3^5, 6^8, 12^2\})$	21844
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^8, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^5, 6^9, 12^2\})$	1364
12	$\mathcal{O}(0; \{2, 3^3, 6^9, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^2, 4^2, 6^9, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^2, 3, 6^{10}, 12^2\})$	5460
12	$\mathcal{O}(0; \{6^{12}, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 12^3\})$	11008
12	$\mathcal{O}(0; \{3^8, 4^5, 12^3\})$	87296
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 12^3\})$	5120
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 12^3\})$	20480
12	$\mathcal{O}(0; \{2^{15}, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6, 12^3\})$	192

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6, 12^3\})$	10944
12	$\mathcal{O}(0; \{3^9, 4^3, 6, 12^3\})$	87360
12	$\mathcal{O}(0; \{2^9, 4^5, 6, 12^3\})$	768
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6, 12^3\})$	5376
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6, 12^3\})$	43776
12	$\mathcal{O}(0; \{2^6, 4^7, 6, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^3, 4^9, 6, 12^3\})$	12288
12	$\mathcal{O}(0; \{4^{11}, 6, 12^3\})$	49152
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^2, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^2, 12^3\})$	10928
12	$\mathcal{O}(0; \{3^{10}, 4, 6^2, 12^3\})$	87376
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^2, 12^3\})$	704
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^2, 12^3\})$	5440
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^2, 12^3\})$	43712
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^2, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^2, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^2, 12^3\})$	11264
12	$\mathcal{O}(0; \{3, 4^9, 6^2, 12^3\})$	45056
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^3, 12^3\})$	688
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^3, 12^3\})$	5456
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^3, 12^3\})$	43696
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^3, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^3, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^3, 12^3\})$	11008
12	$\mathcal{O}(0; \{3^2, 4^7, 6^3, 12^3\})$	44032
12	$\mathcal{O}(0; \{2^{10}, 4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^4, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^7, 4^3, 6^4, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^4, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^4, 4^5, 6^4, 12^3\})$	5376
12	$\mathcal{O}(0; \{3^3, 4^5, 6^4, 12^3\})$	43776
12	$\mathcal{O}(0; \{2, 4^7, 6^4, 12^3\})$	21504
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^5, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^5, 12^3\})$	10928
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^5, 12^3\})$	5440
12	$\mathcal{O}(0; \{3^4, 4^3, 6^5, 12^3\})$	43712
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^5, 12^3\})$	21760
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^6, 12^3\})$	5456
12	$\mathcal{O}(0; \{3^5, 4, 6^6, 12^3\})$	43696

Continued on next page



Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^6, 12^3\})$	21824
12	$\mathcal{O}(0; \{2^5, 4, 6^7, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^7, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^2, 4^3, 6^7, 12^3\})$	10944
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^8, 12^3\})$	10928
12	$\mathcal{O}(0; \{4, 6^{10}, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^{15}, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2^{11}, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^7, 3^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^3, 3^{10}, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 12^4\})$	21824
12	$\mathcal{O}(0; \{3^{10}, 4^2, 12^4\})$	174784
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 12^4\})$	1280
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 12^4\})$	11008
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 12^4\})$	87296
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 12^4\})$	20480
12	$\mathcal{O}(0; \{3, 4^{10}, 12^4\})$	81920
12	$\mathcal{O}(0; \{2^{12}, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^8, 3^5, 6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^4, 3^8, 6, 12^4\})$	21840
12	$\mathcal{O}(0; \{3^{11}, 6, 12^4\})$	174768
12	$\mathcal{O}(0; \{2^9, 3^2, 4^2, 6, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^5, 3^5, 4^2, 6, 12^4\})$	10944
12	$\mathcal{O}(0; \{2, 3^8, 4^2, 6, 12^4\})$	87360
12	$\mathcal{O}(0; \{2^6, 3^2, 4^4, 6, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^5, 4^4, 6, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^2, 4^6, 6, 12^4\})$	21504
12	$\mathcal{O}(0; \{3^2, 4^8, 6, 12^4\})$	86016
12	$\mathcal{O}(0; \{2^{13}, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^9, 3^3, 6^2, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^5, 3^6, 6^2, 12^4\})$	10928
12	$\mathcal{O}(0; \{2, 3^9, 6^2, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^{10}, 4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2, 6^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2, 6^2, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^7, 4^4, 6^2, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4, 6^2, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^4, 4^6, 6^2, 12^4\})$	11264
12	$\mathcal{O}(0; \{3^3, 4^6, 6^2, 12^4\})$	87040

Continued on next page

Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 4^8, 6^2, 12^4\})$	45056
12	$\mathcal{O}(0; \{2^{10}, 3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^6, 3^4, 6^3, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 3^7, 6^3, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6^3, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6^3, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6^3, 12^4\})$	11008
12	$\mathcal{O}(0; \{3^4, 4^4, 6^3, 12^4\})$	87296
12	$\mathcal{O}(0; \{2, 3, 4^6, 6^3, 12^4\})$	44032
12	$\mathcal{O}(0; \{2^7, 3^2, 6^4, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^5, 6^4, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^4, 12^4\})$	10944
12	$\mathcal{O}(0; \{3^5, 4^2, 6^4, 12^4\})$	87360
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^4, 12^4\})$	43776
12	$\mathcal{O}(0; \{2^8, 6^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3^3, 6^5, 12^4\})$	10928
12	$\mathcal{O}(0; \{3^6, 6^5, 12^4\})$	87376
12	$\mathcal{O}(0; \{2^5, 4^2, 6^5, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^5, 12^4\})$	43712
12	$\mathcal{O}(0; \{2^2, 4^4, 6^5, 12^4\})$	21760
12	$\mathcal{O}(0; \{2^5, 3, 6^6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^4, 6^6, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^6, 12^4\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^2, 6^7, 12^4\})$	21840
12	$\mathcal{O}(0; \{2^3, 6^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{4^2, 6^8, 12^4\})$	43712
12	$\mathcal{O}(0; \{3, 6^9, 12^4\})$	43696
12	$\mathcal{O}(0; \{2^{13}, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2, 3^9, 4, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^{10}, 4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^7, 4^5, 12^5\})$	5120
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^4, 4^7, 12^5\})$	20480
12	$\mathcal{O}(0; \{3^3, 4^7, 12^5\})$	176128
12	$\mathcal{O}(0; \{2, 4^9, 12^5\})$	81920
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^7, 3, 4^3, 6, 12^5\})$	5376

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^4, 4^3, 6, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^4, 3, 4^5, 6, 12^5\})$	21504
12	$\mathcal{O}(0; \{3^4, 4^5, 6, 12^5\})$	175104
12	$\mathcal{O}(0; \{2, 3, 4^7, 6, 12^5\})$	86016
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 6^2, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 6^2, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 6^2, 12^5\})$	21760
12	$\mathcal{O}(0; \{3^5, 4^3, 6^2, 12^5\})$	174848
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 6^2, 12^5\})$	87040
12	$\mathcal{O}(0; \{2^8, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6^3, 12^5\})$	21824
12	$\mathcal{O}(0; \{3^6, 4, 6^3, 12^5\})$	174784
12	$\mathcal{O}(0; \{2^5, 4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6^3, 12^5\})$	87296
12	$\mathcal{O}(0; \{2^2, 4^5, 6^3, 12^5\})$	44032
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^4, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^4, 12^5\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^5, 12^5\})$	43712
12	$\mathcal{O}(0; \{2^3, 4, 6^6, 12^5\})$	21824
12	$\mathcal{O}(0; \{4^3, 6^6, 12^5\})$	87296
12	$\mathcal{O}(0; \{3, 4, 6^7, 12^5\})$	87360
12	$\mathcal{O}(0; \{2^{10}, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^6, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^8, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{3^5, 4^4, 12^6\})$	349184
12	$\mathcal{O}(0; \{2, 3^2, 4^6, 12^6\})$	176128
12	$\mathcal{O}(0; \{2^{11}, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^7, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^6, 6, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{3^6, 4^2, 6, 12^6\})$	349440
12	$\mathcal{O}(0; \{2^5, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^2, 4^6, 6, 12^6\})$	86016
12	$\mathcal{O}(0; \{2^8, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^4, 3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{3^7, 6^2, 12^6\})$	349504
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2, 12^6\})$	21760

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2, 12^6\})$	174848
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2, 12^6\})$	87040
12	$\mathcal{O}(0; \{2^5, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 3^5, 6^3, 12^6\})$	174784
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3, 12^6\})$	87296
12	$\mathcal{O}(0; \{2^6, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3^3, 6^4, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^3, 4^2, 6^4, 12^6\})$	43776
12	$\mathcal{O}(0; \{4^4, 6^4, 12^6\})$	175104
12	$\mathcal{O}(0; \{2^3, 3, 6^5, 12^6\})$	43712
12	$\mathcal{O}(0; \{3, 4^2, 6^5, 12^6\})$	174848
12	$\mathcal{O}(0; \{3^2, 6^6, 12^6\})$	174784
12	$\mathcal{O}(0; \{2, 6^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^8, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{3^7, 4, 12^7\})$	699136
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 12^7\})$	176128
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2, 3^5, 4, 6, 12^7\})$	349440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 12^7\})$	175104
12	$\mathcal{O}(0; \{2^6, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 12^7\})$	87040
12	$\mathcal{O}(0; \{4^5, 6^2, 12^7\})$	348160
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 12^7\})$	87296
12	$\mathcal{O}(0; \{3, 4^3, 6^3, 12^7\})$	349184
12	$\mathcal{O}(0; \{3^2, 4, 6^4, 12^7\})$	349440
12	$\mathcal{O}(0; \{2, 4, 6^5, 12^7\})$	174848
12	$\mathcal{O}(0; \{2^9, 12^8\})$	11008
12	$\mathcal{O}(0; \{2^5, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2, 3^6, 12^8\})$	699136
12	$\mathcal{O}(0; \{2^6, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12^8\})$	349184
12	$\mathcal{O}(0; \{2^3, 4^4, 12^8\})$	176128
12	$\mathcal{O}(0; \{4^6, 12^8\})$	704512
12	$\mathcal{O}(0; \{2^6, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^4, 6, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12^8\})$	175104
12	$\mathcal{O}(0; \{3, 4^4, 6, 12^8\})$	700416
12	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12^8\})$	174848
12	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12^8\})$	699392

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{3^3, 6^3, 12^8\})$	699136
12	$\mathcal{O}(0; \{2, 4^2, 6^3, 12^8\})$	349184
12	$\mathcal{O}(0; \{2, 3, 6^4, 12^8\})$	349440
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^9\})$	349184
12	$\mathcal{O}(0; \{3^2, 4^3, 12^9\})$	1396736
12	$\mathcal{O}(0; \{2^4, 4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{3^3, 4, 6, 12^9\})$	1397760
12	$\mathcal{O}(0; \{2, 4^3, 6, 12^9\})$	700416
12	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^9\})$	699392
12	$\mathcal{O}(0; \{2^4, 3, 12^{10}\})$	349184
12	$\mathcal{O}(0; \{3^4, 12^{10}\})$	2796544
12	$\mathcal{O}(0; \{2, 3, 4^2, 12^{10}\})$	1396736
12	$\mathcal{O}(0; \{2, 3^2, 6, 12^{10}\})$	1397760
12	$\mathcal{O}(0; \{2^2, 6^2, 12^{10}\})$	699392
12	$\mathcal{O}(0; \{2^2, 4, 12^{11}\})$	1396736
12	$\mathcal{O}(0; \{6, 12^{12}\})$	5591040
13	$\mathcal{O}(0; \{13^{12}\})$	685853880636
14	$\mathcal{O}(3; \{2^2, 7^4\})$	1400493696
14	$\mathcal{O}(3; \{7^3, 14^2\})$	8357784960
14	$\mathcal{O}(2; \{2^6, 7^4\})$	7145376
14	$\mathcal{O}(2; \{2^4, 7^3, 14^2\})$	42641760
14	$\mathcal{O}(2; \{2^2, 7^2, 14^4\})$	256081056
14	$\mathcal{O}(2; \{7, 14^6\})$	1536255840
14	$\mathcal{O}(1; \{2^{10}, 7^4\})$	36456
14	$\mathcal{O}(1; \{2^3, 7^7, 14\})$	47029416
14	$\mathcal{O}(1; \{2^8, 7^3, 14^2\})$	217560
14	$\mathcal{O}(1; \{2, 7^6, 14^3\})$	282175320
14	$\mathcal{O}(1; \{2^6, 7^2, 14^4\})$	1306536
14	$\mathcal{O}(1; \{2^4, 7, 14^6\})$	7838040
14	$\mathcal{O}(1; \{2^2, 14^8\})$	47029416
14	$\mathcal{O}(0; \{2^{14}, 7^4\})$	186
14	$\mathcal{O}(0; \{2^2, 7^{11}\})$	51828150
14	$\mathcal{O}(0; \{2^7, 7^7, 14\})$	239946
14	$\mathcal{O}(0; \{2^{12}, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{7^{10}, 14^2\})$	310968906
14	$\mathcal{O}(0; \{2^5, 7^6, 14^3\})$	1439670
14	$\mathcal{O}(0; \{2^{10}, 7^2, 14^4\})$	6666
14	$\mathcal{O}(0; \{2^3, 7^5, 14^5\})$	8638026
14	$\mathcal{O}(0; \{2^8, 7, 14^6\})$	39990
14	$\mathcal{O}(0; \{2, 7^4, 14^7\})$	51828150
14	$\mathcal{O}(0; \{2^6, 14^8\})$	239946
15	$\mathcal{O}(4; \{15^2\})$	20503125000

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(3; \{3^2, 5^2, 15\})$	273375000
15	$\mathcal{O}(3; \{3^3, 15^2\})$	455625000
15	$\mathcal{O}(2; \{3^4, 5^4\})$	15795000
15	$\mathcal{O}(2; \{3^5, 5^2, 15\})$	13365000
15	$\mathcal{O}(2; \{3^6, 15^2\})$	17415000
15	$\mathcal{O}(2; \{5^5, 15^2\})$	331695000
15	$\mathcal{O}(2; \{3, 5^3, 15^3\})$	249075000
15	$\mathcal{O}(2; \{3^2, 5, 15^4\})$	227205000
15	$\mathcal{O}(1; \{3^7, 5^4\})$	491400
15	$\mathcal{O}(1; \{3^8, 5^2, 15\})$	459000
15	$\mathcal{O}(1; \{3^2, 5^7, 15\})$	5898600
15	$\mathcal{O}(1; \{3^9, 15^2\})$	613800
15	$\mathcal{O}(1; \{3^3, 5^5, 15^2\})$	7371000
15	$\mathcal{O}(1; \{3^4, 5^3, 15^3\})$	7749000
15	$\mathcal{O}(1; \{3^5, 5, 15^4\})$	7803000
15	$\mathcal{O}(1; \{5^4, 15^5\})$	117963000
15	$\mathcal{O}(1; \{3, 5^2, 15^6\})$	123870600
15	$\mathcal{O}(1; \{3^2, 15^7\})$	125307000
15	$\mathcal{O}(0; \{3^{10}, 5^4\})$	17784
15	$\mathcal{O}(0; \{3^4, 5^9\})$	314568
15	$\mathcal{O}(0; \{3^{11}, 5^2, 15\})$	16392
15	$\mathcal{O}(0; \{3^5, 5^7, 15\})$	288376
15	$\mathcal{O}(0; \{3^{12}, 15^2\})$	21848
15	$\mathcal{O}(0; \{3^6, 5^5, 15^2\})$	281736
15	$\mathcal{O}(0; \{5^{10}, 15^2\})$	6710888
15	$\mathcal{O}(0; \{3^7, 5^3, 15^3\})$	280440
15	$\mathcal{O}(0; \{3, 5^8, 15^3\})$	5033160
15	$\mathcal{O}(0; \{3^8, 5, 15^4\})$	278664
15	$\mathcal{O}(0; \{3^2, 5^6, 15^4\})$	4613752
15	$\mathcal{O}(0; \{3^3, 5^4, 15^5\})$	4508808
15	$\mathcal{O}(0; \{3^4, 5^2, 15^6\})$	4482936
15	$\mathcal{O}(0; \{3^5, 15^7\})$	4475016
15	$\mathcal{O}(0; \{5^3, 15^8\})$	72141960
15	$\mathcal{O}(0; \{3, 5, 15^9\})$	71722872
16	$\mathcal{O}(3; \{2^3, 16^2\})$	134217728
16	$\mathcal{O}(3; \{4^2, 16^2\})$	536870912
16	$\mathcal{O}(2; \{2^7, 16^2\})$	524288
16	$\mathcal{O}(2; \{2^4, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(2; \{2, 4^4, 16^2\})$	8388608
16	$\mathcal{O}(2; \{2^2, 4, 8^2, 16^2\})$	16777216
16	$\mathcal{O}(2; \{8^4, 16^2\})$	134217728
16	$\mathcal{O}(2; \{4, 8, 16^4\})$	268435456
16	$\mathcal{O}(1; \{2^{11}, 16^2\})$	2048

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(3; \{3, 18^2\})$	408146688
18	$\mathcal{O}(2; \{2^2, 9^4\})$	17006112
18	$\mathcal{O}(2; \{2, 3^2, 9^2, 18\})$	7558272
18	$\mathcal{O}(2; \{2^2, 6, 9^2, 18\})$	3779136
18	$\mathcal{O}(2; \{2^4, 3, 18^2\})$	1259712
18	$\mathcal{O}(2; \{3^4, 18^2\})$	10077696
18	$\mathcal{O}(2; \{2, 3^2, 6, 18^2\})$	5038848
18	$\mathcal{O}(2; \{2^2, 6^2, 18^2\})$	2519424
18	$\mathcal{O}(2; \{9^3, 18^2\})$	85030560
18	$\mathcal{O}(2; \{6, 9, 18^3\})$	34012224
18	$\mathcal{O}(1; \{2^6, 9^4\})$	52488
18	$\mathcal{O}(1; \{2^2, 3^3, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^4\})$	209952
18	$\mathcal{O}(1; \{3^2, 6^2, 9^4\})$	839808
18	$\mathcal{O}(1; \{2, 6^3, 9^4\})$	419904
18	$\mathcal{O}(1; \{2^5, 3^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2, 3^5, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2^6, 6, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2^2, 3^3, 6, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2^3, 3, 6^2, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{3^2, 6^3, 9^2, 18\})$	186624
18	$\mathcal{O}(1; \{2, 6^4, 9^2, 18\})$	93312
18	$\mathcal{O}(1; \{2, 3, 9^5, 18\})$	3464208
18	$\mathcal{O}(1; \{2^8, 3, 18^2\})$	3888
18	$\mathcal{O}(1; \{2^4, 3^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{3^7, 18^2\})$	248832
18	$\mathcal{O}(1; \{2^5, 3^2, 6, 18^2\})$	15552
18	$\mathcal{O}(1; \{2, 3^5, 6, 18^2\})$	124416
18	$\mathcal{O}(1; \{2^6, 6^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^3, 3, 6^3, 18^2\})$	31104
18	$\mathcal{O}(1; \{3^2, 6^4, 18^2\})$	124416
18	$\mathcal{O}(1; \{2, 6^5, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^4, 9^3, 18^2\})$	262440
18	$\mathcal{O}(1; \{3^3, 9^3, 18^2\})$	2099520
18	$\mathcal{O}(1; \{2, 3, 6, 9^3, 18^2\})$	1049760
18	$\mathcal{O}(1; \{2^3, 3^2, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2^4, 6, 9, 18^3\})$	104976
18	$\mathcal{O}(1; \{3^3, 6, 9, 18^3\})$	839808
18	$\mathcal{O}(1; \{2, 3, 6^2, 9, 18^3\})$	419904
18	$\mathcal{O}(1; \{2^2, 9^2, 18^4\})$	1732104
18	$\mathcal{O}(1; \{2, 3^2, 18^5\})$	1049760
18	$\mathcal{O}(1; \{2^2, 6, 18^5\})$	524880

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{9, 18^6\})$	9920232
18	$\mathcal{O}(0; \{2^{10}, 9^4\})$	162
18	$\mathcal{O}(0; \{2^6, 3^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^2, 3^6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^4\})$	648
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^4\})$	5184
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^4\})$	2592
18	$\mathcal{O}(0; \{3^5, 6^2, 9^4\})$	20736
18	$\mathcal{O}(0; \{2^5, 6^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^4\})$	5184
18	$\mathcal{O}(0; \{6^6, 9^4\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^2, 9^7\})$	122472
18	$\mathcal{O}(0; \{2^3, 6, 9^7\})$	61236
18	$\mathcal{O}(0; \{3, 6^2, 9^7\})$	244944
18	$\mathcal{O}(0; \{2^9, 3^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^5, 3^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2, 3^8, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^{10}, 6, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^6, 3^3, 6, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^2, 3^6, 6, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^7, 3, 6^2, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^3, 3^4, 6^2, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^4, 3^2, 6^3, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{3^5, 6^3, 9^2, 18\})$	4608
18	$\mathcal{O}(0; \{2^5, 6^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2, 3^3, 6^4, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^2, 3, 6^5, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{6^7, 9^2, 18\})$	2304
18	$\mathcal{O}(0; \{2^5, 3, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{2, 3^4, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^5, 18\})$	42768
18	$\mathcal{O}(0; \{2^3, 6^2, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{3, 6^3, 9^5, 18\})$	85536
18	$\mathcal{O}(0; \{2, 9^8, 18\})$	1115370
18	$\mathcal{O}(0; \{2^{12}, 3, 18^2\})$	12
18	$\mathcal{O}(0; \{2^8, 3^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2^4, 3^7, 18^2\})$	768
18	$\mathcal{O}(0; \{3^{10}, 18^2\})$	6144
18	$\mathcal{O}(0; \{2^9, 3^2, 6, 18^2\})$	48
18	$\mathcal{O}(0; \{2^5, 3^5, 6, 18^2\})$	384
18	$\mathcal{O}(0; \{2, 3^8, 6, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^{10}, 6^2, 18^2\})$	24

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3^3, 6^2, 18^2\})$	192
18	$\mathcal{O}(0; \{2^2, 3^6, 6^2, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^7, 3, 6^3, 18^2\})$	96
18	$\mathcal{O}(0; \{2^3, 3^4, 6^3, 18^2\})$	768
18	$\mathcal{O}(0; \{2^4, 3^2, 6^4, 18^2\})$	384
18	$\mathcal{O}(0; \{3^5, 6^4, 18^2\})$	3072
18	$\mathcal{O}(0; \{2^5, 6^5, 18^2\})$	192
18	$\mathcal{O}(0; \{2, 3^3, 6^5, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^2, 3, 6^6, 18^2\})$	768
18	$\mathcal{O}(0; \{6^8, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^8, 9^3, 18^2\})$	810
18	$\mathcal{O}(0; \{2^4, 3^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{3^6, 9^3, 18^2\})$	51840
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2^3, 6^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{3, 6^4, 9^3, 18^2\})$	25920
18	$\mathcal{O}(0; \{3^2, 9^6, 18^2\})$	752328
18	$\mathcal{O}(0; \{2, 6, 9^6, 18^2\})$	376164
18	$\mathcal{O}(0; \{2^7, 3^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^3, 3^5, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^8, 6, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{3^6, 6, 9, 18^3\})$	20736
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2^3, 6^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{3, 6^5, 9, 18^3\})$	10368
18	$\mathcal{O}(0; \{2^3, 3, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{3^2, 6, 9^4, 18^3\})$	244944
18	$\mathcal{O}(0; \{2, 6^2, 9^4, 18^3\})$	122472
18	$\mathcal{O}(0; \{2^6, 9^2, 18^4\})$	5346
18	$\mathcal{O}(0; \{2^2, 3^3, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{3^2, 6^2, 9^2, 18^4\})$	85536
18	$\mathcal{O}(0; \{2, 6^3, 9^2, 18^4\})$	42768
18	$\mathcal{O}(0; \{2^5, 3^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2, 3^5, 18^5\})$	25920
18	$\mathcal{O}(0; \{2^6, 6, 18^5\})$	1620
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 18^5\})$	12960
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 18^5\})$	6480

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^2, 6^3, 18^5\})$	25920
18	$\mathcal{O}(0; \{2, 6^4, 18^5\})$	12960
18	$\mathcal{O}(0; \{2, 3, 9^3, 18^5\})$	376164
18	$\mathcal{O}(0; \{2^4, 9, 18^6\})$	30618
18	$\mathcal{O}(0; \{3^3, 9, 18^6\})$	244944
18	$\mathcal{O}(0; \{2, 3, 6, 9, 18^6\})$	122472
18	$\mathcal{O}(0; \{2^2, 18^8\})$	188082
20	$\mathcal{O}(3; \{20^2\})$	512000000
20	$\mathcal{O}(2; \{4^2, 5^3\})$	3840000
20	$\mathcal{O}(2; \{2, 4, 5, 10, 20\})$	3840000
20	$\mathcal{O}(2; \{2^4, 20^2\})$	1280000
20	$\mathcal{O}(2; \{2, 4^2, 20^2\})$	5120000
20	$\mathcal{O}(1; \{2^4, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{2, 4^4, 5^3\})$	38400
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2, 10^2\})$	41600
20	$\mathcal{O}(1; \{4^2, 5, 10^4\})$	163200
20	$\mathcal{O}(1; \{2^2, 4, 5^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^5, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{2^2, 4^3, 5, 10, 20\})$	38400
20	$\mathcal{O}(1; \{4, 5^3, 10^2, 20\})$	656000
20	$\mathcal{O}(1; \{2^3, 4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{4^3, 10^3, 20\})$	166400
20	$\mathcal{O}(1; \{2^8, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^5, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{2^2, 4^4, 20^2\})$	51200
20	$\mathcal{O}(1; \{5^5, 20^2\})$	2620800
20	$\mathcal{O}(1; \{2^3, 5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{4^2, 5^2, 10, 20^2\})$	652800
20	$\mathcal{O}(1; \{2, 5, 10^3, 20^2\})$	656000
20	$\mathcal{O}(1; \{2^3, 4, 5, 20^3\})$	166400
20	$\mathcal{O}(1; \{4^3, 5, 20^3\})$	665600
20	$\mathcal{O}(1; \{2, 4, 10^2, 20^3\})$	652800
20	$\mathcal{O}(1; \{2, 5^2, 20^4\})$	2624000
20	$\mathcal{O}(0; \{2^8, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^5, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{2^2, 4^6, 5^3\})$	384
20	$\mathcal{O}(0; \{4^2, 5^8\})$	26216
20	$\mathcal{O}(0; \{2^3, 4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{4^4, 5^3, 10\})$	6560
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2, 10^2\})$	416
20	$\mathcal{O}(0; \{4^6, 5^2, 10^2\})$	1664
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10^3\})$	6552

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{5^4, 10, 20^4\})$	419424
20	$\mathcal{O}(0; \{2^3, 5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{4^2, 5, 10^2, 20^4\})$	104832
20	$\mathcal{O}(0; \{2, 10^4, 20^4\})$	104864
20	$\mathcal{O}(0; \{4, 5^3, 20^5\})$	419456
20	$\mathcal{O}(0; \{2^3, 4, 10, 20^5\})$	26240
20	$\mathcal{O}(0; \{4^3, 10, 20^5\})$	104960
20	$\mathcal{O}(0; \{2, 5, 10, 20^6\})$	419456
20	$\mathcal{O}(0; \{2, 4, 20^7\})$	419328
21	$\mathcal{O}(2; \{7^2, 21^2\})$	72346932
21	$\mathcal{O}(1; \{3^2, 7^5\})$	979020
21	$\mathcal{O}(1; \{3^3, 7^2, 21^2\})$	820260
21	$\mathcal{O}(1; \{7, 21^5\})$	29397060
21	$\mathcal{O}(0; \{3^5, 7^5\})$	11100
21	$\mathcal{O}(0; \{3, 7^7, 21\})$	479892
21	$\mathcal{O}(0; \{3^6, 7^2, 21^2\})$	15996
21	$\mathcal{O}(0; \{3^2, 7^4, 21^3\})$	399900
21	$\mathcal{O}(0; \{3^3, 7, 21^5\})$	573276
21	$\mathcal{O}(0; \{21^8\})$	20635356
22	$\mathcal{O}(2; \{2^3, 11, 22\})$	2342560
22	$\mathcal{O}(2; \{2, 22^3\})$	21083040
22	$\mathcal{O}(1; \{2^7, 11, 22\})$	4840
22	$\mathcal{O}(1; \{2^5, 22^3\})$	43560
22	$\mathcal{O}(0; \{2^2, 11^7\})$	909090
22	$\mathcal{O}(0; \{2^{11}, 11, 22\})$	10
22	$\mathcal{O}(0; \{11^6, 22^2\})$	9090910
22	$\mathcal{O}(0; \{2^9, 22^3\})$	90
24	$\mathcal{O}(2; \{2^2, 24^2\})$	2654208
24	$\mathcal{O}(1; \{2, 3^4, 8^2\})$	13824
24	$\mathcal{O}(1; \{2^2, 3^2, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2^3, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{4^2, 6^2, 8^2\})$	18432
24	$\mathcal{O}(1; \{3, 6^3, 8^2\})$	13824
24	$\mathcal{O}(1; \{3, 4, 6, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{3^2, 8^2, 12^2\})$	55296
24	$\mathcal{O}(1; \{2, 6, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{4^3, 6, 8, 24\})$	36864
24	$\mathcal{O}(1; \{3, 4, 6^2, 8, 24\})$	27648
24	$\mathcal{O}(1; \{3^2, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2, 6, 8^3, 24\})$	73728
24	$\mathcal{O}(1; \{2^3, 3, 8, 12, 24\})$	9216

Continued on next page

Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{3, 4^2, 8, 12, 24\})$	36864
24	$\mathcal{O}(1; \{3^2, 6, 8, 12, 24\})$	46080
24	$\mathcal{O}(1; \{2, 6^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2, 4, 8, 12^2, 24\})$	36864
24	$\mathcal{O}(1; \{2^6, 24^2\})$	4608
24	$\mathcal{O}(1; \{2^2, 3^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2^3, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{4^4, 24^2\})$	73728
24	$\mathcal{O}(1; \{2^3, 3, 6, 24^2\})$	13824
24	$\mathcal{O}(1; \{3, 4^2, 6, 24^2\})$	55296
24	$\mathcal{O}(1; \{3^2, 6^2, 24^2\})$	50688
24	$\mathcal{O}(1; \{2, 6^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 4, 8^2, 24^2\})$	147456
24	$\mathcal{O}(1; \{3^2, 4, 12, 24^2\})$	92160
24	$\mathcal{O}(1; \{2, 4, 6, 12, 24^2\})$	55296
24	$\mathcal{O}(1; \{2, 3, 12^2, 24^2\})$	92160
24	$\mathcal{O}(1; \{2, 3, 8, 24^3\})$	221184
24	$\mathcal{O}(0; \{2^5, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2, 3^7, 8^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^6, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^5, 6, 8^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{3^2, 4^4, 6, 8^2\})$	128
24	$\mathcal{O}(0; \{2^7, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2^4, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{3^3, 4^2, 6^2, 8^2\})$	160
24	$\mathcal{O}(0; \{2, 4^4, 6^2, 8^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{3^4, 6^3, 8^2\})$	168
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^3, 8^2\})$	96
24	$\mathcal{O}(0; \{2, 3^2, 6^4, 8^2\})$	88
24	$\mathcal{O}(0; \{2^2, 6^5, 8^2\})$	40
24	$\mathcal{O}(0; \{3^4, 4, 8^4\})$	768
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{6^2, 8^6\})$	2048
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{3^3, 4^3, 8^2, 12\})$	384
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^2, 12\})$	352
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^2, 12\})$	128

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2, 3^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{6^3, 8^4, 12\})$	768
24	$\mathcal{O}(0; \{2^4, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{3^5, 8^2, 12^2\})$	672
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^2, 12^2\})$	384
24	$\mathcal{O}(0; \{2^5, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{6^4, 8^2, 12^2\})$	352
24	$\mathcal{O}(0; \{4, 6, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 12^3\})$	640
24	$\mathcal{O}(0; \{3, 8^4, 12^3\})$	3072
24	$\mathcal{O}(0; \{2^3, 8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{4^2, 8^2, 12^4\})$	1536
24	$\mathcal{O}(0; \{3, 6, 8^2, 12^4\})$	1408
24	$\mathcal{O}(0; \{2^6, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 3^5, 4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{3^2, 4^5, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^7, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{3^3, 4^3, 6, 8, 24\})$	320
24	$\mathcal{O}(0; \{2, 4^5, 6, 8, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{3^4, 4, 6^2, 8, 24\})$	336
24	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 8, 24\})$	192
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 8, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 4, 6^4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^4, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{3^5, 8^3, 24\})$	1408
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^5, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{6^4, 8^3, 24\})$	640
24	$\mathcal{O}(0; \{4, 6, 8^5, 24\})$	4096

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^7, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^3, 3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{3^4, 4^2, 8, 12, 24\})$	704
24	$\mathcal{O}(0; \{2, 3, 4^4, 8, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{3^5, 6, 8, 12, 24\})$	688
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8, 12, 24\})$	320
24	$\mathcal{O}(0; \{2^5, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{6^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{4, 6^2, 8^3, 12, 24\})$	1536
24	$\mathcal{O}(0; \{3, 8^5, 12, 24\})$	4096
24	$\mathcal{O}(0; \{2^5, 4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2^2, 4^3, 8, 12^2, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{4, 6^3, 8, 12^2, 24\})$	704
24	$\mathcal{O}(0; \{2^3, 8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{4^2, 8^3, 12^2, 24\})$	2048
24	$\mathcal{O}(0; \{3, 6, 8^3, 12^2, 24\})$	2560
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^3, 6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{4^2, 6, 8, 12^3, 24\})$	1280
24	$\mathcal{O}(0; \{3, 6^2, 8, 12^3, 24\})$	1344
24	$\mathcal{O}(0; \{3, 4, 8, 12^4, 24\})$	2816
24	$\mathcal{O}(0; \{2, 8, 12^5, 24\})$	2816
24	$\mathcal{O}(0; \{2^{10}, 24^2\})$	8
24	$\mathcal{O}(0; \{2^6, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^2, 3^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^7, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{3^3, 4^4, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 4^6, 24^2\})$	512
24	$\mathcal{O}(0; \{2^7, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{2^3, 3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{3^4, 4^2, 6, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 3, 4^4, 6, 24^2\})$	384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 24^2\})$	88
24	$\mathcal{O}(0; \{3^5, 6^2, 24^2\})$	680
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^5, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 3^3, 6^3, 24^2\})$	344
24	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 3, 6^4, 24^2\})$	168
24	$\mathcal{O}(0; \{6^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^5, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^3, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{4^2, 8^4, 24^2\})$	8192
24	$\mathcal{O}(0; \{3, 6, 8^4, 24^2\})$	6144
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{3^5, 4, 12, 24^2\})$	1376
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 12, 24^2\})$	640
24	$\mathcal{O}(0; \{2^5, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{4, 6^4, 12, 24^2\})$	672
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12, 24^2\})$	3072
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12, 24^2\})$	2816
24	$\mathcal{O}(0; \{2^5, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2, 3^4, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2^3, 6^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{4^2, 6^2, 12^2, 24^2\})$	1408
24	$\mathcal{O}(0; \{3, 6^3, 12^2, 24^2\})$	1376
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^2, 24^2\})$	5120
24	$\mathcal{O}(0; \{2^3, 4, 12^3, 24^2\})$	640
24	$\mathcal{O}(0; \{4^3, 12^3, 24^2\})$	2560
24	$\mathcal{O}(0; \{3, 4, 6, 12^3, 24^2\})$	2688
24	$\mathcal{O}(0; \{2, 8^2, 12^3, 24^2\})$	5120
24	$\mathcal{O}(0; \{3^2, 12^4, 24^2\})$	5504
24	$\mathcal{O}(0; \{2, 6, 12^4, 24^2\})$	2688
24	$\mathcal{O}(0; \{2^5, 3, 8, 24^3\})$	384

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^4, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 24^3\})$	2560
24	$\mathcal{O}(0; \{3, 6^3, 8, 24^3\})$	2688
24	$\mathcal{O}(0; \{3, 4, 8^3, 24^3\})$	12288
24	$\mathcal{O}(0; \{2^3, 4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{4^3, 8, 12, 24^3\})$	6144
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12, 24^3\})$	5632
24	$\mathcal{O}(0; \{2, 8^3, 12, 24^3\})$	12288
24	$\mathcal{O}(0; \{3^2, 8, 12^2, 24^3\})$	10752
24	$\mathcal{O}(0; \{2, 6, 8, 12^2, 24^3\})$	5632
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 24^4\})$	2816
24	$\mathcal{O}(0; \{2^3, 4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{4^3, 6, 24^4\})$	5120
24	$\mathcal{O}(0; \{3, 4, 6^2, 24^4\})$	5376
24	$\mathcal{O}(0; \{3^2, 8^2, 24^4\})$	22528
24	$\mathcal{O}(0; \{2, 6, 8^2, 24^4\})$	10240
24	$\mathcal{O}(0; \{2^3, 3, 12, 24^4\})$	2816
24	$\mathcal{O}(0; \{3, 4^2, 12, 24^4\})$	11264
24	$\mathcal{O}(0; \{3^2, 6, 12, 24^4\})$	11008
24	$\mathcal{O}(0; \{2, 6^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 4, 12^2, 24^4\})$	11264
24	$\mathcal{O}(0; \{2, 4, 8, 24^5\})$	20480
24	$\mathcal{O}(0; \{2, 3, 24^6\})$	43008
25	$\mathcal{O}(2; \{5, 25^2\})$	31250000
25	$\mathcal{O}(0; \{5^6, 25^2\})$	81920
25	$\mathcal{O}(0; \{25^7\})$	51187500
26	$\mathcal{O}(0; \{2^2, 13^6\})$	229692
26	$\mathcal{O}(0; \{13^5, 26^2\})$	2756292
27	$\mathcal{O}(1; \{3, 9^2, 27^2\})$	944784
27	$\mathcal{O}(0; \{3^4, 9^2, 27^2\})$	10368
27	$\mathcal{O}(0; \{9^5, 27^2\})$	139968
27	$\mathcal{O}(0; \{3, 9, 27^5\})$	787320
28	$\mathcal{O}(1; \{2^2, 4^2, 7^2\})$	9408
28	$\mathcal{O}(1; \{4^2, 7, 14^2\})$	47040
28	$\mathcal{O}(1; \{2, 7, 14, 28^2\})$	291648
28	$\mathcal{O}(0; \{2^6, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{2^3, 4^4, 7^2\})$	48
28	$\mathcal{O}(0; \{4^6, 7^2\})$	192
28	$\mathcal{O}(0; \{2^4, 4^2, 7, 14^2\})$	60
28	$\mathcal{O}(0; \{2, 4^4, 7, 14^2\})$	240

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^2, 4^2, 14^4\})$	372
28	$\mathcal{O}(0; \{2^2, 4, 7^3, 14, 28\})$	2220
28	$\mathcal{O}(0; \{4, 7^2, 14^3, 28\})$	13332
28	$\mathcal{O}(0; \{7^5, 28^2\})$	79980
28	$\mathcal{O}(0; \{2^5, 7, 14, 28^2\})$	372
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14, 28^2\})$	1488
28	$\mathcal{O}(0; \{2^3, 14^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{4^2, 14^3, 28^2\})$	8880
28	$\mathcal{O}(0; \{4, 7^3, 28^3\})$	53328
28	$\mathcal{O}(0; \{2^3, 7, 28^4\})$	8880
28	$\mathcal{O}(0; \{4^2, 7, 28^4\})$	35520
28	$\mathcal{O}(0; \{2, 14^2, 28^4\})$	53328
30	$\mathcal{O}(2; \{30^2\})$	6480000
30	$\mathcal{O}(1; \{2^2, 3^2, 5^2\})$	7200
30	$\mathcal{O}(1; \{3, 5^2, 6^2\})$	7200
30	$\mathcal{O}(1; \{3^2, 5, 10^2\})$	21600
30	$\mathcal{O}(1; \{2, 3, 10, 15^2\})$	21600
30	$\mathcal{O}(1; \{2^3, 3, 5, 30\})$	7200
30	$\mathcal{O}(1; \{3^2, 5, 6, 30\})$	21600
30	$\mathcal{O}(1; \{2, 5, 6^2, 30\})$	7200
30	$\mathcal{O}(1; \{2, 3, 10^2, 30\})$	21600
30	$\mathcal{O}(1; \{2^4, 30^2\})$	7200
30	$\mathcal{O}(1; \{3^3, 30^2\})$	36000
30	$\mathcal{O}(1; \{2, 3, 6, 30^2\})$	21600
30	$\mathcal{O}(0; \{2^6, 3^2, 5^2\})$	8
30	$\mathcal{O}(0; \{2^2, 3^5, 5^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3^3, 5^2, 6\})$	24
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 6^2\})$	8
30	$\mathcal{O}(0; \{3^4, 5^2, 6^2\})$	88
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6^3\})$	40
30	$\mathcal{O}(0; \{2^2, 5^2, 6^4\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5^4, 10\})$	408
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{3^5, 5, 10^2\})$	120
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 10^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{5, 6^4, 10^2\})$	72
30	$\mathcal{O}(0; \{2^2, 3^2, 10^4\})$	104
30	$\mathcal{O}(0; \{3, 6^2, 10^4\})$	104
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10, 15\})$	312
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10, 15\})$	104
30	$\mathcal{O}(0; \{5^2, 6^3, 10, 15\})$	312
30	$\mathcal{O}(0; \{3, 5, 6, 10^3, 15\})$	408

Continued on next page

Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 15^2\})$	408
30	$\mathcal{O}(0; \{5^3, 6^2, 15^2\})$	1224
30	$\mathcal{O}(0; \{2^5, 3, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2^3, 6^2, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{3, 6^3, 10, 15^2\})$	264
30	$\mathcal{O}(0; \{3, 5^2, 10^2, 15^2\})$	1640
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 15^3\})$	520
30	$\mathcal{O}(0; \{2^3, 5, 6, 15^3\})$	312
30	$\mathcal{O}(0; \{3, 5, 6^2, 15^3\})$	1144
30	$\mathcal{O}(0; \{3^2, 10^2, 15^3\})$	2040
30	$\mathcal{O}(0; \{2, 6, 10^2, 15^3\})$	1224
30	$\mathcal{O}(0; \{2, 5, 10, 15^4\})$	4920
30	$\mathcal{O}(0; \{2^7, 3, 5, 30\})$	8
30	$\mathcal{O}(0; \{2^3, 3^4, 5, 30\})$	40
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 6, 30\})$	24
30	$\mathcal{O}(0; \{3^5, 5, 6, 30\})$	168
30	$\mathcal{O}(0; \{2^5, 5, 6^2, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 5, 6^2, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^3, 30\})$	40
30	$\mathcal{O}(0; \{5, 6^5, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 10, 30\})$	408
30	$\mathcal{O}(0; \{5^3, 6^2, 10, 30\})$	408
30	$\mathcal{O}(0; \{2^5, 3, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 6^2, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{3, 6^3, 10^2, 30\})$	120
30	$\mathcal{O}(0; \{3, 5^2, 10^3, 30\})$	1640
30	$\mathcal{O}(0; \{5^4, 6, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{2^3, 5, 6, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{3, 5, 6^2, 10, 15, 30\})$	520
30	$\mathcal{O}(0; \{3^2, 10^3, 15, 30\})$	1224
30	$\mathcal{O}(0; \{2, 6, 10^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 5^2, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 6, 15^2, 30\})$	2040
30	$\mathcal{O}(0; \{2, 5, 10^2, 15^2, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 3, 15^3, 30\})$	520
30	$\mathcal{O}(0; \{3^2, 6, 15^3, 30\})$	2184
30	$\mathcal{O}(0; \{2, 6^2, 15^3, 30\})$	1144
30	$\mathcal{O}(0; \{2^8, 30^2\})$	8

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^4, 3^3, 30^2\})$	40
30	$\mathcal{O}(0; \{3^6, 30^2\})$	344
30	$\mathcal{O}(0; \{5^5, 30^2\})$	6552
30	$\mathcal{O}(0; \{2^5, 3, 6, 30^2\})$	24
30	$\mathcal{O}(0; \{2, 3^4, 6, 30^2\})$	168
30	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 30^2\})$	88
30	$\mathcal{O}(0; \{2^3, 6^3, 30^2\})$	40
30	$\mathcal{O}(0; \{3, 6^4, 30^2\})$	168
30	$\mathcal{O}(0; \{2^3, 5^2, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 30^2\})$	1224
30	$\mathcal{O}(0; \{2, 5, 10^3, 30^2\})$	1640
30	$\mathcal{O}(0; \{3, 5^3, 15, 30^2\})$	4920
30	$\mathcal{O}(0; \{2^3, 3, 10, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{3^2, 6, 10, 15, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 6^2, 10, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{3^2, 5, 15^2, 30^2\})$	4488
30	$\mathcal{O}(0; \{2, 5, 6, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{3^2, 5, 10, 30^3\})$	2040
30	$\mathcal{O}(0; \{2, 5, 6, 10, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 5^2, 15, 30^3\})$	4920
30	$\mathcal{O}(0; \{2, 3, 15^2, 30^3\})$	4488
30	$\mathcal{O}(0; \{2, 3, 10, 30^4\})$	2040
31	$\mathcal{O}(0; \{31^6\})$	23516130
32	$\mathcal{O}(1; \{2^2, 4, 32^2\})$	32768
32	$\mathcal{O}(1; \{8^2, 32^2\})$	262144
32	$\mathcal{O}(0; \{2^6, 4, 32^2\})$	32
32	$\mathcal{O}(0; \{2^3, 4^3, 32^2\})$	128
32	$\mathcal{O}(0; \{4^5, 32^2\})$	512
32	$\mathcal{O}(0; \{2^4, 8^2, 32^2\})$	256
32	$\mathcal{O}(0; \{2, 4^2, 8^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{2^2, 8, 16^2, 32^2\})$	4096
32	$\mathcal{O}(0; \{16^4, 32^2\})$	65536
32	$\mathcal{O}(0; \{8, 16, 32^4\})$	131072
33	$\mathcal{O}(1; \{3, 33^3\})$	588060
33	$\mathcal{O}(0; \{11^4, 33^2\})$	181820
33	$\mathcal{O}(0; \{3^4, 33^3\})$	3780
35	$\mathcal{O}(0; \{7^4, 35^2\})$	26664
35	$\mathcal{O}(0; \{5^2, 7, 35^3\})$	37944
36	$\mathcal{O}(1; \{4^2, 9^2\})$	15552
36	$\mathcal{O}(1; \{3, 4, 9, 36\})$	31104
36	$\mathcal{O}(1; \{2, 9, 12, 36\})$	31104
36	$\mathcal{O}(1; \{3^2, 36^2\})$	62208
36	$\mathcal{O}(1; \{2, 6, 36^2\})$	31104

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^4, 4^2, 9^2\})$	12
36	$\mathcal{O}(0; \{3^3, 4^2, 9^2\})$	96
36	$\mathcal{O}(0; \{2, 4^4, 9^2\})$	48
36	$\mathcal{O}(0; \{2, 3, 4^2, 6, 9^2\})$	48
36	$\mathcal{O}(0; \{2, 3^2, 4, 9^2, 12\})$	96
36	$\mathcal{O}(0; \{2^2, 4, 6, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{2^2, 3, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{6^2, 9^2, 12^2\})$	192
36	$\mathcal{O}(0; \{4, 9^2, 12^3\})$	384
36	$\mathcal{O}(0; \{4, 9^3, 12, 18\})$	648
36	$\mathcal{O}(0; \{2^2, 4^2, 9, 18^2\})$	36
36	$\mathcal{O}(0; \{4, 6, 9, 12, 18^2\})$	144
36	$\mathcal{O}(0; \{3, 9, 12^2, 18^2\})$	288
36	$\mathcal{O}(0; \{4^2, 18^4\})$	324
36	$\mathcal{O}(0; \{2^4, 3, 4, 9, 36\})$	24
36	$\mathcal{O}(0; \{3^4, 4, 9, 36\})$	192
36	$\mathcal{O}(0; \{2, 3, 4^3, 9, 36\})$	96
36	$\mathcal{O}(0; \{2, 3^2, 4, 6, 9, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 4, 6^2, 9, 36\})$	48
36	$\mathcal{O}(0; \{4, 9^4, 36\})$	1620
36	$\mathcal{O}(0; \{2^5, 9, 12, 36\})$	24
36	$\mathcal{O}(0; \{2, 3^3, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 3, 6, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{6^3, 9, 12, 36\})$	192
36	$\mathcal{O}(0; \{4, 6, 9, 12^2, 36\})$	384
36	$\mathcal{O}(0; \{3, 9, 12^3, 36\})$	768
36	$\mathcal{O}(0; \{4, 6, 9^2, 18, 36\})$	648
36	$\mathcal{O}(0; \{3, 9^2, 12, 18, 36\})$	1296
36	$\mathcal{O}(0; \{2^2, 3, 4, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{4, 6^2, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2^3, 12, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{4^2, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{3, 6, 12, 18^2, 36\})$	288
36	$\mathcal{O}(0; \{2^4, 3^2, 36^2\})$	48
36	$\mathcal{O}(0; \{3^5, 36^2\})$	384
36	$\mathcal{O}(0; \{2, 3^2, 4^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2^5, 6, 36^2\})$	24
36	$\mathcal{O}(0; \{2, 3^3, 6, 36^2\})$	192
36	$\mathcal{O}(0; \{2^2, 4^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 3, 6^2, 36^2\})$	96
36	$\mathcal{O}(0; \{6^4, 36^2\})$	192
36	$\mathcal{O}(0; \{3, 9^3, 36^2\})$	3240

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Table 10 – continued from previous page

Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2^2, 3, 4, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{4, 6^2, 12, 36^2\})$	384
36	$\mathcal{O}(0; \{2^3, 12^2, 36^2\})$	192
36	$\mathcal{O}(0; \{4^2, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{3, 6, 12^2, 36^2\})$	768
36	$\mathcal{O}(0; \{2^3, 9, 18, 36^2\})$	324
36	$\mathcal{O}(0; \{4^2, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{3, 6, 9, 18, 36^2\})$	1296
36	$\mathcal{O}(0; \{2, 18^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{3, 4, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{2, 12, 18, 36^3\})$	2592
36	$\mathcal{O}(0; \{2, 9, 36^4\})$	6480
39	$\mathcal{O}(0; \{3^2, 13^4\})$	3192
40	$\mathcal{O}(1; \{2^2, 40^2\})$	25600
40	$\mathcal{O}(0; \{5^4, 8^2\})$	208
40	$\mathcal{O}(0; \{2^3, 5, 8^2, 10\})$	16
40	$\mathcal{O}(0; \{4^2, 5, 8^2, 10\})$	64
40	$\mathcal{O}(0; \{2, 8^2, 10^3\})$	48
40	$\mathcal{O}(0; \{2, 5, 8^2, 20^2\})$	192
40	$\mathcal{O}(0; \{2^3, 5^2, 8, 40\})$	48
40	$\mathcal{O}(0; \{4^2, 5^2, 8, 40\})$	192
40	$\mathcal{O}(0; \{2, 5, 8, 10^2, 40\})$	208
40	$\mathcal{O}(0; \{2, 4, 8, 10, 20, 40\})$	192
40	$\mathcal{O}(0; \{2^6, 40^2\})$	16
40	$\mathcal{O}(0; \{2^3, 4^2, 40^2\})$	64
40	$\mathcal{O}(0; \{4^4, 40^2\})$	256
40	$\mathcal{O}(0; \{2, 4, 8^2, 40^2\})$	512
40	$\mathcal{O}(0; \{2, 5^2, 10, 40^2\})$	816
40	$\mathcal{O}(0; \{2, 4, 5, 20, 40^2\})$	832
41	$\mathcal{O}(0; \{41^5\})$	2497560
42	$\mathcal{O}(1; \{7, 42^2\})$	105840
42	$\mathcal{O}(0; \{3^2, 6, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2, 6^2, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2^2, 3^3, 7, 21\})$	36
42	$\mathcal{O}(0; \{2^3, 3, 6, 7, 21\})$	12
42	$\mathcal{O}(0; \{3^2, 6^2, 7, 21\})$	60
42	$\mathcal{O}(0; \{2, 6^3, 7, 21\})$	36
42	$\mathcal{O}(0; \{3^3, 14^2, 21\})$	180
42	$\mathcal{O}(0; \{2, 3, 6, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{2^2, 21^4\})$	1116
42	$\mathcal{O}(0; \{2, 3, 7^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{2^2, 14, 21^2, 42\})$	372
42	$\mathcal{O}(0; \{2^4, 7, 42^2\})$	60

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{3^3, 7, 42^2\})$	300
42	$\mathcal{O}(0; \{2, 3, 6, 7, 42^2\})$	180
42	$\mathcal{O}(0; \{2^2, 14^2, 42^2\})$	372
42	$\mathcal{O}(0; \{21^3, 42^2\})$	11100
42	$\mathcal{O}(0; \{14, 21, 42^3\})$	6660
44	$\mathcal{O}(1; \{4, 22, 44\})$	38720
44	$\mathcal{O}(0; \{2^4, 4, 22, 44\})$	20
44	$\mathcal{O}(0; \{2, 4^3, 22, 44\})$	80
44	$\mathcal{O}(0; \{11^3, 44^2\})$	18180
44	$\mathcal{O}(0; \{2^2, 4, 44^3\})$	720
45	$\mathcal{O}(1; \{3, 45^2\})$	97200
45	$\mathcal{O}(0; \{9^2, 15^2, 45\})$	864
45	$\mathcal{O}(0; \{3^4, 45^2\})$	384
45	$\mathcal{O}(0; \{9^3, 45^2\})$	3240
45	$\mathcal{O}(0; \{5, 15^2, 45^2\})$	4896
45	$\mathcal{O}(0; \{5, 9, 45^3\})$	8424
48	$\mathcal{O}(1; \{2, 48^2\})$	36864
48	$\mathcal{O}(0; \{2, 3^2, 4, 16^2\})$	32
48	$\mathcal{O}(0; \{2^2, 3, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{6^2, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{4, 12^2, 16^2\})$	128
48	$\mathcal{O}(0; \{3, 16^2, 24^2\})$	256
48	$\mathcal{O}(0; \{2^2, 3, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{6^2, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{4, 8, 12, 16, 48\})$	256
48	$\mathcal{O}(0; \{3, 16^3, 48\})$	1024
48	$\mathcal{O}(0; \{4, 6, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{3, 12, 16, 24, 48\})$	384
48	$\mathcal{O}(0; \{2^5, 48^2\})$	16
48	$\mathcal{O}(0; \{2, 3^3, 48^2\})$	80
48	$\mathcal{O}(0; \{2^2, 4^2, 48^2\})$	64
48	$\mathcal{O}(0; \{2^2, 3, 6, 48^2\})$	48
48	$\mathcal{O}(0; \{6^3, 48^2\})$	80
48	$\mathcal{O}(0; \{4, 8^2, 48^2\})$	512
48	$\mathcal{O}(0; \{4, 6, 12, 48^2\})$	192
48	$\mathcal{O}(0; \{3, 12^2, 48^2\})$	320
48	$\mathcal{O}(0; \{3, 8, 24, 48^2\})$	768
50	$\mathcal{O}(0; \{2, 25^3, 50\})$	6500
50	$\mathcal{O}(0; \{5^3, 50^2\})$	1280
50	$\mathcal{O}(0; \{2^3, 10, 50^2\})$	80
52	$\mathcal{O}(0; \{4^2, 13^3\})$	264
54	$\mathcal{O}(0; \{3^2, 9, 54^2\})$	432
54	$\mathcal{O}(0; \{2, 6, 9, 54^2\})$	216

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Order of $\mathbb{Z}_\ell$	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2, 8^2, 14^2\})$	24
59	$\mathcal{O}(2; \emptyset)$	12117360
60	$\mathcal{O}(1; \{60^2\})$	57600
60	$\mathcal{O}(0; \{3^2, 4, 15, 20\})$	16
60	$\mathcal{O}(0; \{2, 4, 6, 15, 20\})$	16
60	$\mathcal{O}(0; \{2, 3, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{3^2, 4, 10, 60\})$	16
60	$\mathcal{O}(0; \{2, 4, 6, 10, 60\})$	16
60	$\mathcal{O}(0; \{2, 3, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{2, 4, 5, 15, 60\})$	48
60	$\mathcal{O}(0; \{2^4, 60^2\})$	16
60	$\mathcal{O}(0; \{3^3, 60^2\})$	80
60	$\mathcal{O}(0; \{2, 4^2, 60^2\})$	64
60	$\mathcal{O}(0; \{2, 3, 6, 60^2\})$	48
61	$\mathcal{O}(0; \{61^4\})$	212460
62	$\mathcal{O}(0; \{2^2, 31^3\})$	870
62	$\mathcal{O}(0; \{31^2, 62^2\})$	26130
63	$\mathcal{O}(0; \{21^2, 63^2\})$	4464
64	$\mathcal{O}(0; \{2^2, 8, 64^2\})$	128
64	$\mathcal{O}(0; \{16^2, 64^2\})$	2048
65	$\mathcal{O}(0; \{13^2, 65^2\})$	6384
66	$\mathcal{O}(0; \{2, 3^2, 33, 66\})$	60
66	$\mathcal{O}(0; \{2^2, 6, 33, 66\})$	20
66	$\mathcal{O}(0; \{11^2, 66^2\})$	1820
66	$\mathcal{O}(0; \{6, 66^3\})$	540
70	$\mathcal{O}(0; \{5, 14, 35, 70\})$	360
70	$\mathcal{O}(0; \{7^2, 70^2\})$	744
72	$\mathcal{O}(0; \{8^2, 18^2\})$	24
72	$\mathcal{O}(0; \{8, 9^2, 72\})$	72
72	$\mathcal{O}(0; \{6, 8, 18, 72\})$	48
72	$\mathcal{O}(0; \{4, 18, 24, 72\})$	96
72	$\mathcal{O}(0; \{2^2, 3, 72^2\})$	48
72	$\mathcal{O}(0; \{6^2, 72^2\})$	96
72	$\mathcal{O}(0; \{4, 12, 72^2\})$	192
75	$\mathcal{O}(0; \{3, 25^2, 75\})$	600
75	$\mathcal{O}(0; \{5^2, 75^2\})$	640
75	$\mathcal{O}(0; \{3, 15, 75^2\})$	480
77	$\mathcal{O}(0; \{7^2, 11^2\})$	60
78	$\mathcal{O}(0; \{6^2, 13^2\})$	24
80	$\mathcal{O}(0; \{5^2, 16^2\})$	32
80	$\mathcal{O}(0; \{4, 5, 16, 80\})$	64
80	$\mathcal{O}(0; \{2^3, 80^2\})$	32
80	$\mathcal{O}(0; \{4^2, 80^2\})$	128

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Order of $\mathbb{Z}_\ell$	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
82	$\mathcal{O}(0; \{2, 41^2, 82\})$	1560
84	$\mathcal{O}(0; \{4^2, 21^2\})$	24
84	$\mathcal{O}(0; \{3, 7, 12, 28\})$	24
84	$\mathcal{O}(0; \{2, 21, 28, 84\})$	120
84	$\mathcal{O}(0; \{2, 14, 84^2\})$	120
88	$\mathcal{O}(0; \{2, 8, 44, 88\})$	80
90	$\mathcal{O}(0; \{2, 9, 15, 90\})$	48
90	$\mathcal{O}(0; \{3^2, 90^2\})$	96
90	$\mathcal{O}(0; \{2, 6, 90^2\})$	48
93	$\mathcal{O}(0; \{3^2, 31^2\})$	60
96	$\mathcal{O}(0; \{2, 4, 96^2\})$	64
118	$\mathcal{O}(1; \{2^2\})$	13920
120	$\mathcal{O}(0; \{2^2, 120^2\})$	32
121	$\mathcal{O}(0; \{121^3\})$	10890
122	$\mathcal{O}(0; \{2^2, 61^2\})$	60
122	$\mathcal{O}(0; \{61, 122^2\})$	3540
123	$\mathcal{O}(0; \{41, 123^2\})$	3120
124	$\mathcal{O}(0; \{31, 124^2\})$	1740
125	$\mathcal{O}(0; \{25, 125^2\})$	2000
126	$\mathcal{O}(0; \{21, 126^2\})$	360
128	$\mathcal{O}(0; \{16, 128^2\})$	512
130	$\mathcal{O}(0; \{13, 130^2\})$	528
132	$\mathcal{O}(0; \{12, 66, 132\})$	40
132	$\mathcal{O}(0; \{11, 132^2\})$	360
135	$\mathcal{O}(0; \{9, 135^2\})$	432
140	$\mathcal{O}(0; \{7, 140^2\})$	240
143	$\mathcal{O}(0; \{11, 13, 143\})$	120
144	$\mathcal{O}(0; \{9, 16, 144\})$	48
144	$\mathcal{O}(0; \{6, 144^2\})$	96
150	$\mathcal{O}(0; \{6, 25, 150\})$	40
150	$\mathcal{O}(0; \{5, 150^2\})$	160
155	$\mathcal{O}(0; \{5, 31, 155\})$	120
160	$\mathcal{O}(0; \{4, 160^2\})$	128
164	$\mathcal{O}(0; \{4, 41, 164\})$	80
180	$\mathcal{O}(0; \{3, 180^2\})$	96
183	$\mathcal{O}(0; \{3, 61, 183\})$	120
240	$\mathcal{O}(0; \{2, 240^2\})$	64
242	$\mathcal{O}(0; \{2, 121, 242\})$	110